

A CHECKLIST OF VASCULAR PLANTS, MOSSES, LICHENS, BIRDS AND MAMMALS
OF THE NORTH CASCADES OF WASHINGTON

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49.

by

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TABLE OF CONTENTS

INTRODUCTION.....	1
VASCULAR PLANTS.....	2
MOSS CHECKLIST.....	45
LICHENS.....	54
BIRDS.....	62
MAMMALS.....	73
LITERATURE CITED.....	78

INTRODUCTION

Intensive plant collections during the 1970 and 1971 field seasons by Dr. R. J. Taylor, Mr. and Mrs. Ralph Naas, and the author have added many species not previously listed for the North Cascades (Douglas, 1969a). A number of these are significant range extensions (Douglas and Taylor, 1970). The checklists of the birds and mammals include new sightings and information not previously reported by Douglas (1969b).

Classification and nomenclature for the vascular plants follows the treatment of Hitchcock, et al. (1955, 1959, 1961, 1964, 1969). Classification of the mosses (*Musci*) follows that of Grout (1923, 1933, 1936) and nomenclature is from Lawton (1965). The classification and nomenclature of the remainder of the mosses (*Hepaticae*) follows Conard (1956). Classification of the lichens, for the most part, follows Howard (1950). Lichen nomenclature is that of Hale and Culberson (1970). Classification of the birds follows Jewett (1963), while nomenclature is from Larrison and Sonnenberg (1968). Mammal classification follows the treatment of Hall and Kelson (1959) and the nomenclature is that of Cowan and Guiguet (1965).

Introduced vascular plants are designated in the checklist by an asterisk. Accidental and hypothetical birds have been noted by asterisks and plus signs, respectively.

Vascular Plants.

LYCOPDIACEAE

- Lycopodium alpinum
- Lycopodium annotinum
- Lycopodium clavatum
- Lycopodium complanatum
- Lycopodium selago
- Lycopodium sitchense
- Lycopodium obscurum

SELAGINELLACEAE

- Selaginella densa var. scopulorum
- Selaginella oregana
- Selaginella wallacei

ISOETACEAE

- Isoetes bolanderi
- Isoetes setacea

EQUISETACEAE

- Equisetum arvense
- Equisetum fluviatile
- Equisetum hyemale var. affine
- Equisetum laevigatum
- Equisetum palustre
- Equisetum telmateia var. brauni

OPHIOGLOSSACEAE

Botrychium lanceolatum

Botrychium lunaria var. onondagense

Botrychium multifidum

Botrychium virginianum

POLYPODIACEAE

Adiantum pedatum

Asplenium trichomanes

Asplenium viride

Athyrium distentifolium var. americanum

Athyrium filix-femina

Blechnum spicant

Cheilanthes gracillima

Cryptogramma crispa var. acrostichoides

Cryptogramma densa

Cystopteris fragilis

Dryopteris arguta

Dryopteris austriaca

Dryopteris filix-mas

Gymnocarpium dryopteris

Polypodium glycyrrhiza

Polypodium hesperium

Polystichum andersonii

Polystichum kruckebergii

Polystichum lonchitis

Polystichum mohrioides
Polystichum munitum var. *munitum*
Polystichum scopulinum ssp. *aquitinum*
Pteridium aquilinum var. *pubescens*
Thelypteris limbosperma
Thelypteris nevadensis
Thelypteris phegopteris
Woodsia scopulina

TAXACEAE

Taxus brevifolia

CUPRESSACEAE

Chamaecyparis nootkatensis
Juniperus communis var. *montana*
Juniperus scopulorum
Thuja plicata

PINACEAE

Abies amabilis
Abies grandis
Abies lasiocarpa
Larix lyallii
Picea engelmanni
Picea sitchensis

Pinus albicaulis

Pinus contorta

Pinus mertensiana

Pinus ponderosa

Pseudotsuga menziesii var. menziesii

Tsuga heterophylla

Tsuga mertensiana

SCHEUCHZERIACEAE

Scheuchzeria palustris var. americana

NAJADACEAE

Najas flexilis

POTAMOGETONACEAE

Potamogeton alpinus var. tenuifolius

Potamogeton epihydrus

Potamogeton natans

Potamogeton nodosus

JUNCACEAE

Juncus balticus var. balticus

Juncus balticus var. montanus

Juncus bufonius

Juncus confusus

Juncus drummondii var. subtriflorus

Juncus effusus var. pacificus
Juncus ensifolius var. ensifolius
Juncus ensifolius var. montanus
Juncus falcatus var. sitchensis
Juncus filiformis
Juncus mertensiana
Juncus parryi
Juncus regelii
Juncus tenuis var. tenuis
Luzula campestris var. congesta
Luzula campestris var. frigida
Luzula campestris var. multiflora
Luzula glabriata
Luzula parviflora
Luzula spicata
Luzula wahlenbergii

CYPERACEAE

Carex albonigra
Carex aquatilis
Carex arcta
Carex aurea
Carex breweri var. paddoensis
Carex brunnescens
Carex canescens
Carex crassifordii

Carex cusickii
Carex deuevana
Carex hoodii
Carex illota
Carex interior
Carex laevigulmis
Carex lasiocarpa
Carex lenticularis var. lenticularis
Carex leporina
Carex leporinella
Carex limnothila
Carex luzulina
Carex lyngbyei var. robusta
Carex mertensii
Carex microptera
Carex multicosta
Carex muricata
Carex nardina
Carex nebrascensis
Carex neurophora
Carex nigricans
Carex oederi
Carex pachystachya
Carex phaeocephala
Carex praticola
Carex pyrenaica

Carex raynoldii
Carex rossii
Carex rostrata
Carex scirpoidea var. stenochlaena
Carex scorulorum
Carex sitchensis
Carex spectabilis
Carex stivata
Carex stramineiformis
Carex subfuscata
Dulichium arundinaceum
Eriophorum polystachion
Rhynchospora alba
Scirpus acutus
Scirpus cespitosus
Scirpus microcarpus

GRAMINEAE

Agropyron caninum ssp. majus var. andinum
Agropyron caninum ssp. majus var. latiglume
*Agropyron cristatum
*Agropyron recens
Agropyron spicatum var. spicatum
Agrostis aequivalvis
Agrostis alba var. palustris
Agrostis exarata

- Agrostis humilis
Agrostis idahoensis
Agrostis scabra
Agrostis thurberiana
Agrostis variabilis
Aira caryophila
Alopecurus aequalis
Bromus carinatus var. carinatus
Bromus ciliatus
*Bromus mollis
Bromus sitchensis var. aleutensis
Bromus suksdorfii
*Bromus tectorum
Bromus vulgaris var. vulgaris
Calamagrostis canadensis var. lactea
Calamagrostis canadensis var. acuminata
Calamagrostis rubescens
Cinna latifolia
*Dactylis glomerata
Danthonia intermedia
Danthonia spicata var. pinetorum
Danthonia unispicata
Deschampsia atropurpurea var. latifolia
Deschampsia cespitosa var. cespitosa
Deschampsia elongata
Elymus glaucus var. breviaristatus

Elymus hirsutus
Festuca idahoensis var. oregona
Festuca microstachys
*Festuca myuros
Festuca occidentalis
Festuca octoflora var. octoflora
Festuca ovina var. brevifolia
*Festuca pratensis
Festuca rubra var. rubra
Festuca subulata
Festuca yiridula
Glyceria elata
Glyceria striata var. stricta
*Holcus lanatus
*Hordeum murinum
Koeleria cristata
*Lolium perenne
Melica bulbosa var. bulbosa
Melica harfordii
Melica smithii
Melica spectabilis
Melica subulata var. subulata
Muhlenbergia filiformis
Oryzopsis exigua
*Panicum miliaceum
*Panicum occidentale

Phalaris arundinacea

Phleum alpinum

*Phleum pratense

Pleurozoron refractus

Poa alpina

*Poa annua

*Poa bulbosa

Poa canbyi

Poa cusickii var. cusickii

Poa cusickii var. epilis

Poa gracillima

Poa grayana

Poa interior

Poa juncifolia

Poa leptocoma var. leptocoma

Poa nervosa

*Poa palustris

Poa pratensis

Poa rupicola

Poa sandbergii

Poa secunda

Poa stenantha

*Setaria viridis

Sitanion hystrix var. hystrix

Stipa occidentalis var. minor

Stipa occidentalis var. occidentalis

Trisetum canescens

Trisetum cernuum

Trisetum spicatum

SPARGANIACEAE

Sporogonium angustifolium

Sporogonium simplex var. simplex

Sporogonium minimum

TYPHACEAE

Typha latifolia

ARACEAE

Lysichiton americanum

LILIACEAE

Allium acuminatum

Allium cernuum

Brodiaea hyacinthia

Calochortus lyallii

Calochortus macrocarpus macrocarpus

Camassia quamash var. maxima

Clintonia uniflora

Disporum hookeri var. oreocarpum

Disporum smithii

Disporum trachycarpum

Erythronium grandiflorum var. grandiflorum
Fritillaria sarschateensis
Fritillaria lanceolata
Lilium columbianum
Lloydia serotina
Maianthemum dilatatum
Smilacina rachinosa
Smilacina stellata
Stenanthium occidentale
Streptopus amplexifolius var. americanus
Streptopus roseus var. curvipes
Streptopus streptopoides var. brevipes
Tofieldia glutinosa var. brevistyla
Trillium ovatum
Veratrum viride
Zigadenus venenosus var. gramineus

ORCHIDACEAE

Cypripedium calceolus var. parviflorum
Calyso bulbosa
Corallorrhiza maculata
Corallorrhiza mentensiana
Corallorrhiza striata
Corallorrhiza trifida
Eucophyton austineae
Goodyera oblongifolia

Habenaria dilatata var. dilatata
Habenaria dilatata var. leucostachys
Habenaria elegans
Habenaria hyperborea
Habenaria orbiculata
Habenaria saccata
Habenaria unalascensis
Listera caurina
Listera convallarioides
Listera cordata
Spiranthes romanzoffiana var. romanzoffiana

SALICACEAE

Populus tremuloides
Populus trichocarpa
Salix arctica
Salix barclayi
Salix cassinoides
Salix commutata
Salix exigua ssp. melanopsis var. melanopsis
Salix lasiandra var. lasiandra
Salix myrtillifolia
Salix nivalis var. saximontana
Salix scouleriana
Salix sitchensis
Salix vestita var. erecta

BETULACEAE

Alnus rubra

Alnus sinuata

Betula occidentalis var. occidentalis

Betula occidentalis var. inopina

Betula nevadensis var. commutata

Corylus cornuta var. californica

URTICACEAE

Urtica dioica ssp. gracilis var. lyallii

LORANTHACEAE

Arceuthobium campylopodium

Arceuthobium douglasii

SANTALACEAE

Corandria umbellata var. pallida

ARISTOLOCHIACEAE

Asarum caudatum

POLYGONACEAE

Eriogonum elatum

Eriogonum horaceoides angustifolium

Eriogonum ovalifolium nivale

Eriogonum pyrolaeifolium var. corymbosum

Eriogonum umbellatum var. subalpinum

Eriogonum umbellatum var. umbellatum

Oxenia dicra

*Polygonum aviculare var. littorale

Polygonum bistortoides

Polygonum convolvulus

Polygonum douglasii var. douglasii

Polygonum douglasii var. latifolium

Polygonum kelloggii

Polygonum lapathifolium

Polygonum majus

Polygonum minus

Polygonum nuttallii

Polygonum persicaria

Polygonum phytolaccacefolium

Polygonum viviparum

*Rumex acetosella

Rumex obtusifolius

Rumex salicifolius ssp. triangularis var. angustivalvis

CHENOPodiACEAE

*Chenopodium album

AMARANTHACEAE

*Amaranthus retroflexus

PONTIACACEAE

- Claytonia lanceolata var. chrysanthia
Claytonia lanceolata var. lanceolata
Lewisia columbiana var. columbiana
Lewisia pygmaea var. pygmaea
Lewisia rediviva
Montia fontana
Montia parviflora var. parviflora
Montia perfoliata
Montia sibirica var. sibirica
Spraguea umbellata

CARYOPHYLLACEAE

- Arenaria capillaris var. americana
Arenaria congesta var. prolifera
Arenaria lateriflora
Arenaria macrophylla
Arenaria nuttallii var. nuttallii
Arenaria obtusiloba
Arenaria rossii
Arenaria rubella
*Arenaria serpyllifolia
Cerastium arvense
*Ceratium viscosum
*Cerastium vulgatum
*Dianthus armeria

*Dianthus barbatus
*Dianthus deltoides
*Lychnis alba
*Lychnis coronaria
Sagina occidentalis
Sagina procumbens
Silene acutifolia var. exscapa
Silene antirrhena
*Silene cucubalus
Silene douglasii var. douglasii
Silene menziesii var. menziesii
Silene noctiflora
Silene parryi
Silene scouleri var. scouleri
Silene suksdorfii
*Spergularia rubra
Stellaria calycantha var. sitchensis
Stellaria crispa
*Stellaria graminea
Stellaria Jamesiana
*Stellaria media
Stellaria obtusa
*Saponaria officinalis

NYMPHAEACE

Nuphar polysepalum

RANUNCULACEAE

- Aconitum columbianum* var. *columbianum*
Actaea rubra
Anemone drummondii var. *drummondii*
Anemone lyallii
Anemone multifida var. *multifida*
Anemone occidentalis
Anemone parviflora
Aquilegia formosa
Caltha biflora var. *biflora*
Caltha biflora var. *rotundifolia*
Clematis ligusticifolia
Coptis asplenifolia
Delphinium menziesii var. *menziesii*
Delphinium nuttallianum var. *nuttallianum*
**Ranunculus acris*
Ranunculus aquatilis var. *hispidulus*
Ranunculus cooleyae
Ranunculus eschscholtzii var. *eschscholtzii*
Ranunculus eschscholtzii var. *suksdorfii*
Ranunculus flammula
Ranunculus macounii var. *macounii*
Ranunculus orthorhynchus var. *orthorhynchus*
**Ranunculus repens* var. *repens*
Ranunculus uncinatus var. *parviflorus*
Thalictrum occidentale

Trautvetteria carolinensis var. *occidentalis*

Trollius laxus var. *albiflorus*

BERBERIDACEAE

Achlys triphylla

Berberis acrifolium

Berberis nervosa

Berberis repens

FUMARIACEAE

Dicentra formosa

**Fumaria officinalis*

CRUCIFERAE

Arabis divaricarpa var. *divaricarpa*

Arabis drummondii

**Arabis glabra*

Arabis hirsuta var. *glabrata*

Arabis holboellii var. *retrofracta*

Arabis lemmonii var. *lemmonii*

Arabis lyallii

Arabis lyrata

Barbara orthoceras

Capsella bursa-pastoris

Cardamine bellidifolia var. *bellidifolia*

Cardamine oligosperma var. *kamtschatica*

- Carex pauciflora
Descourainia richardsonii var. viscosa
Draba lonchocarpa var. lonchocarpa
Draba lonchocarpa var. thompsonii
Draba paysonii var. treleasii
Draba praealta
Draba stenoloba var. nana
Draba ventosa var. muaxes
Erysimum arenicola var. torulosum
Erysimum cheiranthoides
*Hesperis matronalis
Lepidium densiflorum var. macrocarpum
Rorippa curvisiliqua var. curvisiliqua
Rorippa islandica
*Sisymbrium altissimum
*Sisymbrium officinale
Smelowskia ovalis var. ovalis
Subularia aquatica

DROSERACEAE

- Drosera rotundifolia

CRASSULACEAE

- Sedum divergens
Sedum lanceolatum var. lanceolatum
Sedum oreganum

Sedum roseum var. intergrifolium

Sedum stenopetalum var. stenopetalum

SAXIFRAGACEAE

Elmera racemosa var. puberulenta

Heuchera cylindrica cylindrica

Heuchera glabra

Heuchera micrantha var. diversifolia

Leptarrhena pyrolifolia

Lithophragma parviflora

Mitella breweri

Mitella caulescens

Mitella pentandra

Mitella trifida

Parnassia fimbriata var. fimbriata

Parnassia kotzebuei pumila

Saxifraga adscendens var. oregonensis

Saxifraga arguta

Saxifraga bronchialis var. austromontana

Saxifraga caespitosa var. crassinata

Saxifraga debilis

Saxifraga ferruginea var. macounii

Saxifraga integrifolia var. claytonefolia

Saxifraga lyallii var. lyallii

Saxifraga mertensiana

Saxifraga occidentalis var. occidentalis

Saxifraga occidentalis var. rufidula
Saxifraga oppositifolia
Saxifraga punctata var. canadensis
Saxifraga tolmiei var. tolmiei
Suksdorfia ranunculifolia
Suksdorfia violacea
Tellima grandiflora
Tiarella laciniata
Tiarella trifoliata
Tiarella unifoliata
Tolmiea menziesii

GROSSULARIACEAE

Ribes bracteosum
Ribes cereum cereum
Ribes divaricatum
Ribes hovelli
Ribes lacustre
Ribes laxiflorum
Ribes sanguineum
Ribes triste
Ribes viscosissimum var. viscosissimum
Ribes watsonianum

HYDRANGEACEAE

Philadelphus lewisii

ROSACEAE

- Amelanchier alnifolia var. semienterifolia
Aronia sylvester
Crataegus douglasii var. suksdorffii
Dryas octopetala var. hookeriana
Fragaria vesca var. prinina
Fragaria virginiana var. platypetala
Gowen macrophyllum var. macrophyllum
Holodiscus discolor var. discolor
Leutkea pectinata
Osmaronia cerasiformis
Physocarpus capitatus
Potentilla arguta convallaria
Potentilla diversifolia var. diversifolia
Potentilla diversifolia var. perdissecta
Potentilla drummondii
Potentilla flabellifolia
Potentilla fruticosa
Potentilla glandulosa var. glandulosa
Potentilla norvegica
Potentilla palustris
*Potentilla recta
Potentilla uniflora
Potentilla villosa var. parviflora
Prunus emarginata var. emarginata
Prunus emarginata var. mollis

- Prunus virginiana var. demissa
Prunus virginiana var. melanocarpa.
Purshia tridentata
Pyrus fusca
Rosa gymnocarpa
Rosa nutkana var. nutkana
Rubus idaeus ssp. sachalinensis var. sachalinensis
*Rubus laciniatus
Rubus lasiococcus
Rubus leucodermis
Rubus nivealis
Rubus parviflorus var. parviflorus
Rubus pedatus
*Rubus procerus
Rubus spectabilis
Rubus ursinus var. macropetalus.
Sanguisorba sitchensis
Sibbaldia procumbens
Sorbus scopulina
Sorbus sitchensis var. grayi
Sorbus sitchensis var. sitchensis
Spiraea betulifolia var. lucida
Spiraea densiflora var. densiflora
Spiraea douglasii var. douglasii
Spiraea pyramidalis

LEGUMINOSAE

Astragalus miser var. serotinus

*Cytisus scoparius

*Lathyrus latifolius

Lathyrus novadensis ssp. lanceolatus var. pilosellus

*Lotus crassifolia

Lotus denticulatus

Lupinus latifolius var. latifolius

Lupinus latifolius var. subalpinus

Lupinus lepidus var. lobbii

Lupinus polyphyllus var. burkei

Lupinus saxosus

*Medicago falcata

*Medicago lunulina

*Melilotus alba

*Melilotus officinalis

Oxytropis campestris var. gracilis

*Robinia hispida

*Trifolium arvense

*Trifolium dubium

*Trifolium pratense

*Trifolium repens

Vicia americana var. truncata

Vicia gigantea

GERANIACEAE

*Geranium molle

Geranium viscosissimum var. viscosissimum

OXALIDACEAE

*Oxalis corniculata

CALLITRICHACEAE

Gallitrichia veitchii

EMBETRACEAE

Empetrum nigrum

CELASTRACEAE

Pachystima myrsinifolia

ACERACEAE

Acer circinatum

Acer glabrum var. douglasii

Acer macrophyllum

RHAMNACEAE

Ceanothus sanguineus

Ceanothus velutinus var. laxiflorus

Ceanothus velutinus var. velutinus

Rhamnus purshiana

MALVACEAE

*Iliamna rivularis var. rivularis

HYPERICACEAE

Hypericum anomalloides

*Hypericum perforatum

VIOLOCÆA

Viola adunca var. adunca

Viola adunca var. bellidifolia

Viola glabella

Viola macloskeyi var. pallens

Viola orbiculata

Viola palustris

Viola purpurea

Viola sempervirens

LOASACEAE

Mentzelia dispersa

ELAEAGNACRÆ

Shepherdia canadensis

ONAGRACEAE

Circaeæ alpina

Clarkia rhomboidea

Epilobium alpinum var. albiflorum

Epilobium alpinum var. alpinum

Epilobium alpinum var. clavatum

Epilobium alpinum var. *gracillimum*
Epilobium alpinum var. *lactiflorum*
Epilobium alpinum var. *nutans*
Epilobium angustifolium
Epilobium glaberrimum var. *fastigiatum*
Epilobium glandulosum var. *glandulosum*
Epilobium glandulosum var. *macounii*
Epilobium latifolium
Epilobium luteum
Epilobium minutum
Epilobium paniculatum
Epilobium watsonii var. *occidentale*
Gayophytum ramosissimum
Oenothera biennis

HIPPURIDACEAE

Hippuris montana

Hippuris vulgaris

ARALLIACEAE

Oplopenax horridum

UMBELLIFERAE

Ancelica arguta

Cicuta douglasii

Heracleum lanatum

Ligusticum combyi
Ligusticum grayi
Lomatium nudicaule
Lomatium brandegeei
Lomatium dissectum var. multifidum
Lomatium gormanii
Lomatium martindalei var. angusticarpum
Lomatium nudicaule
Lomatium triternatum ssp. platycarpum var. platycarpum
Oenanthe sarmentosa
Osmorhiza chilensis
Osmorhiza depauperata
Osmorhiza occidentalis
Osmorhiza purpurea
Senicula graveolens

CORNACEAE

Cornus canadensis
Cornus nuttallii
Cornus stolonifera var. occidentalis

ERICACEAE

Allotropa virgata
Arctostaphylos nevadensis
Arctostaphylos uva-ursi
Cassiope mertensiana var. mertensiana

Cassiope stelleriana
Chimaphila menziesii
Chimaphila umbellata var. occidentalis
Cladothamnus pyrolaeformis
Gaultheria humifusa
Gaultheria ovatifolia
Gaultheria shallon
Hemitomes congestum
Hypopitys monotropa
Kalmia polifolia var. microphylla
Kalmia polifolia var. polifolia
Loiseleuria procumbens
Menziesia ferruginea var. ferruginea
Monotropa uniflora
Phyllodoce empetriformis
Phyllodoce granduliflora
Pterospora andromedea
Pyrola aphylla
Pyrola asarifolia
Pyrola dentata
Pyrola minor
Pyrola picta
Pyrola secunda var. secunda
Pyrola uniflora
Pyrola virens
Rhododendron albiflorum

Vaccinium alaskaense
Vaccinium caespiticium
Vaccinium deliciosum
Vaccinium membranaceum
Vaccinium ovalifolium
Vaccinium oxycoccus
Vaccinium parvifolium
Vaccinium scoparium

PRIMULACEAE

Androsace septentrionalis var. *subumbellata*
Dodecatheon conjugans var. *conjugans*
Dodecatheon jeffreyi
Dodecatheon pauciflorum var. *pauciflorum*
Douglasia laevigata var. *ciliata*
Steironeura ciliatum
Trientalis arctica
Trientalis latifolia

GENTIANACEAE

Gentiana amarella
Gentiana calycosa var. *asepala*
Gentiana glauca

MENYANTHACEAE

Menyanthes trifoliata

APOCYNACEAE

*Apocynum androsaemifolium***Vinca major*

CONVOLVULACEAE

**Convolvulus sepium*

POLEMONIACEAE

*Collomia grandiflora**Collomia heterophylla**Collomia linearis**Gilia aggregata* var. *aggregata**Microsteris gracilis* var. *gracilis**Microsteris gracilis* var. *humilior**Phlox caespitosa**Phlox diffusa* var. *longistylis**Polemonium elegans**Polemonium pulcherrimum* var. *calycinum**Polemonium pulcherrimum* var. *pulcherrimum**Polemonium viscosum*

HYDROPHYLACEAE

Hydrophyllum capitatum var. *capitatum**Hydrophyllum fendleri* var. *albifrons**Hydrophyllum fendleri* var. *fendleri**Nemophila parviflora* var. *parviflora*

- Phacelia hastata* var. *leucophylla*
Phacelia hastata var. *leptosepala*
Phacelia heterophylla var. *heterophylla*
Phacelia heterophylla var. *pseudohispida*
Phacelia linearis
Phacelia nemoralis
Phacelia procera
Phacelia sericea var. *sericea*
Romanzoffia sitchensis

BORAGINACEAE

- Amsinckia menziesii*
**Asperugo procumbens*
Cryptantha ambigua
Cryptantha torreyana
Eritrichium nanum var. *elongatum*
Hackelia jessicae
Mertensiana longiflora
Mertensiana paniculata
**Myosotis arvensis*
Plagiobothrys scouleri var. *penicillatus*

LABIATE

- Dracocephalum nuttallii*
**Gelopsis tetrahit* var. *tetrahit*
**Glecoma hederacea*

- **Lamium amplexicaule*
- **Lamium maculatum*
- **Lycopus uniflorus*
- Mentha arvensis* var. *glabrata*
- **Mentha piperita*
- **Monarda didyma*
- Prunella vulgaris*
- Scutellaria lateriflora*
- Stachys cooleya*

SOLANACEAE

- **Solanum dulcamara*
- Solanum nigrum*

SCROPHULARIACEAE

- Castilleja elmeri*
- Castilleja hispida* var. *hispida*
- Castilleja miniata*
- Castilleja parviflora* var. *albida*
- Castilleja parviflora* var. *oreogola*
- Castilleja rhinoceros*
- Castilleja rupicola*
- Collinsia parviflora*
- **Digitalis purpurea*
- Linaria canadensis* var. *canadensis*
- **Linaria dalmatica*

- *Linaria vulgaris
- Mimulus alsinoides
- Mimulus breweri
- Mimulus guttatus var. douglasii
- Mimulus guttatus var. guttatus
- Mimulus lewisii
- Mimulus moschatus
- Mimulus tilingii var. caespitosus
- Pedicularis bracteosa var. latifolia
- Pedicularis contorta var. contorta
- Pedicularis groenlandica
- Pedicularis ornithorhyncha
- Pedicularis racemosa var. racemosa
- Penstemon confertus
- Penstemon davidsonii var. davidsonii
- Penstemon davidsonii var. menziesii
- Penstemon fruticosus var. fruticosus
- Penstemon fruticosus var. scouleri
- Penstemon lyallii
- Penstemon procerus var. tolmiei
- Penstemon pruinosus
- Penstemon serrulatus
- *Verbascum blattaria
- *Verbascum thapsus
- Veronica americana
- *Veronica arvensis

Veronica cusickii.

**Veronica officinalis*

Veronica scutellata

Veronica serpyllifolia var. *perfoliata*

Veronica wormskjoldii

OROMELIACEAE

Orobanchus uniflora var. *minuta*

Orobanchus uniflora var. *parviflora*

LERTIBULARIACEAE

Pinguicula vulgaris

PLANTAGINACEAE

**Plantago lanceolata*

**Plantago major*

Plantago patagonica

RUBIACEAE

**Asperula odorata*

Galium aparine

Galium bifolium

Galium boreale

Galium trifidum var. *pacificum*

Galium triflorum

Kelloggia californica

CAMPANULACEAE

- Liparicia borealis* var. *longiflora*
Lonicera ciliosa
Lonicera involucrata
Lonicera utahensis
Sambucus cerulea
Sophonocarpus racemosus var. *argenteus*
Symporicarpus albus var. *laevigatus*
Viburnum edule

VALERIANACEAE

- Plectritis macrocera*
Valeriana sitchensis

CAMPAULACRAB

- **Campanula americana*
Campanula rotundifolia
Githopsis specularioides
Triodanis perfoliata

COMPOSITAE

- Achillea millefolium* ssp. *lamulosa* var. *apicola*
Achillea millefolium ssp. *lamulosa* var. *lamulosa*
Adenostylus bicolor
Agoseris aurantiaca var. *aurantiaca*
Agoseris glauca

- Agoseris glauca* var. *dasycephala*
Agoseris heterophylla var. *heterophylla*
Agoseris retrorsa
Apapeltis margaritacea
Antennaria alpina var. *media*
Antennaria lanata
Antennaria luzuloides
Antennaria neglecta var. *attenuata*
Antennaria neglecta var. *howellii*
Antennaria racemosa
Antennaria rosea
Antennaria umbrinella
**Anthemis arvensis*
**Antheris cotula*
**Arctium minus*
Arnica amplexicaulis var. *amplexicaulis*
Arnica cordifolia var. *cordifolia*
Arnica diversifolia
Arnica latifolia var. *fracilis*
Arnica latifolia var. *latifolia*
Arnica mollis
Arnica parryi var. *parryi*
Arnica rydbergii
**Artemisia absinthium*
Artemisia ludoviciana var. *latiloba*
Artemisia ludoviciana var. *incompta*

- 44
- Artemisia michauxiana*
Artemisia norvegica var. *saxatilis*
Artemisia salsoloides
Artemisia tilesii
Artemisia tridentata
Artemisia trifurcata
**Artemisia vulgaris*
Aster engelmanni
Aster foliaceus var. *apricus*
Aster foliaceus var. *foliaceus*
Aster foliaceus var. *parryi*
Aster modestus
Aster ledophyllus var. *ledophyllus*
Aster occidentalis var. *intermedius*
Aster sibiricus var. *meritus*
Aster subspicatus var. *subspicatus*
Balsamorhiza sagittata
**Centaurea diffusa*
**Centaurea dubia* var. *vochinensis*
**Centaurea montana*
**Chrysanthemum leucanthemum*
**Cichorium intybus*
**Cirsium arvense* var. *horridum*
Cirsium edule
**Cirsium vulgare*
**Conyza canadensis* var. *glabrata*

- Crepis atrata*
Crepis bipinnata
**Crepis capillaris*
Crepis nana
Eriogonum acris var. *asteroides*
Eriogonum acris var. *dobilis*
Eriogonum annuum
Eriogonum aureum
Eriogonum compositus var. *glabratus*
Eriogonum filifolius var. *filifolius*
Eriogonum leibergii
Eriogonum peregrinus ssp. *callianthus* var. *angustifolius*
Eriogonum peregrinus ssp. *callianthus* var. *callianthus*
Eriogonum peregrinus ssp. *callianthus* var. *scariosus*
Eriogonum peregrinus ssp. *peregrinus* var. *dawsonii*
Eriogonum philadelphicum
Eriophyllum lanatum var. *lanatum*
Gnaphalium microcephalum var. *thermale*
Gnaphalium palustre
Gnaphalium purpureum var. *purpureum*
**Gnaphalium uliginosum*
Gnaphalium viscosum
Haplostephus lyallii
Helianthella uniflora var. *douglasii*
Hieracium albiflorum
Hieracium cymosissoides

- Hieracium fragile
Hieracium scouleri
*Hypochaeris radicata
*Lactuca biennis
*Lactuca muralis
*Lactuca serriola
*Lapsana communis
Lavina hypoleuca
Lavina nardosia
Media citriodora
Media glomerata
Media gracilis
*Media minima
*Metricaria matricarioides
Microseris lincarifolia
Petasites frigidus var. nivalis
Petasites frigidus var. palmatus
Prenanthes alata
Rudbeckia hirta
Saussurea americana
Senecio cymbalariaeoides
Senecio elmeri
Senecio fremontii
Senecio integrifolius var. exaltatus
Senecio pauciflorus
Senecio pseudzureus

- Senecio reedifolius*
Senecio streptanthifolius
**Senecio sylvaticus*
Senecio triangulaxis
Solidago canadensis var. *salebrosa*
Solidago multiradiata var. *scopulorum*
**Sonchus asper*
**Sonchus uliginosus*
**Tamnetum vulgare*
Taraxacum ceratophorum
Taraxacum officinale
**Tragopogon dubius*

Moss Checklist

SPERMATOPHORE

Sphaerium girgensohni Russow*Sphaerium russowii* Warnst*Sphaerium teres* (Schimp.) Angstr.

ANDREAECIACEAE

Andreaea blyttii B.S.C.*Andreaea nivalis* Hook.*Andreaea rotundifolia* Web. & Mohr var. *grassinervia*

TETRAPTECIDAEAE

Tetraphis polycarpa Hedw.

DITRICHACEAE

Ceratodon purpureus (Hedw.) Brid.*Distichium capillaceum* (Hedw.) Bry. Bur.*Ditrichum montanum* Leib.

DICRANIACEAE

Arctoa starkei (Web. & Mohr) Hoeski*Dicranella heteromalla* (Hedw.) Schimp.*Dicranella squarrosa* (Schrad.) Schimp.*Dicranoglossia ciliata* (Hedw.) Lindb.*Dicranoweisia conterpsina* Ren. & Card.

Dicranoweisia crispula (Hedw.) Lindb. var. *contermina* Grout (Ren. & Card.)

Dicranum bonjeanii De Not.

Dicranum fuscescens Turn.

Dicranum hoyollii Ren. & Card.

Dicranum pallidisetum (Bailey) Irrel.

Dicranum scoparium Hedw.

POLYTRICHACEAE

Oligotrichum eligerum Mitt.

Oligotrichum hercynicum (Hedw.) Lam. & DC.

Oligotrichum parallelum (Mitt.) Kindb.

Pogonatum alpinum (Hedw.) Rohl var. *alpinum*

Pogonatum alpinum (Hedw.) Rohl var. *septentrionale* (Brid.) Brid.

Pogonatum contortum (Schwaeg.) Sull.

Pogonatum wrightianum (Hedw.) Beauv.

Polytrichadelphus lyallii Mitt.

Polytrichum commune Hedw.

Polytrichum juniperinum Hedw.

Polytrichum norwegicum Hedw.

Polytrichum piliferum Hedw.

FISSIDENTACEAE

Fissidens adiantoides Hedw.

EUXBAUMIACEAE

Eurbauzia piperi Best

TRICHOSTOMACEAE

Neckera contorta Hedw.

POTTIACEAE

Tortula norvegica (Web.) Wahlenb. ex Lindb.

GRIMMIACEAE

Grimmia alpestris (Web. & Mohr) Schleich*Grimmia apocarpa* Hedw.*Rhacomitrium aquaticum* (P. Beauv.) Brid.*Rhacomitrium aviculare* Brid.*Rhacomitrium canescens* Brid. var. *epilosum* (L. Müell.) Milde*Rhacomitrium heterostichum* (Hedw.) Brid.*Rhacomitrium laevigatum* Irol.*Rhacomitrium sudeticum* (Funck) B.S.G.*Rhacomitrium sudeticum* (Funck) B.S.G. var. *sudeticum* f. *heyipes*
(Kindb.)*Rhacomitrium varium* (Mitt.) Lesq. & Janes*Scouleria aquatica* Hook.

ORTHOTRICHACEAE

Anchidium californicum (Hampe) Broth.*Ulota megalospora* Vent.

TINMIACEAE

Tinmia austriaca Hedw.

AULOCOMIACEAE

Aulacomium andrenarium Schwaegr.*Aulacomium palustre* (Hedw.) Schwaegr.

BARTRIALIACEAE

Bartriaria itthyphylla Brid.*Philonotis fontana* (Hedw.) Brid. var. parilla Brid.

BRACHBAS

Bryum creberinum Teyl.*Bryum cyclophyllum* (Schwaegr.) B.S.G.*Bryum pallenscens* Schleich.*Bryum pseudotriquetrum* (Hedw.) Schwaegr.*Bryum sandbergii* Holz.*Pohlia cardotii* (Ren.) Broth.*Pohlia cruda* (Hedw.) Lindb.*Pohlia drummondii* (C. Mull.) Andr.*Pohlia nutans* (Hedw.) Lindb.

MNIACEAE

Mnium insigne Mitt.*Mnium lycopodioides* Schwaegr.*Mnium marginatum* (With.) P. Beauv.*Mnium pudicum* Williams*Mnium punctatum* Hedw.*Mnium venustum* Mitt.

HYMENOPHORAE

- Brachythecium acutum (Mitt.) Sull.
- Brachythecium collinum (C. Müll.) B.S.G.
- Brachythecium laevigatum C. Müll. & Kindb.
- Brachythecium stellatum (Brid.) B.S.G. var. explanatum (Brid.) Mocuk.
- Brachythecium velutinum (Hedw.) B.S.G.
- Callicorona cuspidata (Brid.) Loeske
- Cratoneuron commutatum (Hedw.) Roth
- Drepanocladus aduncus (Hedw.) Warnst.
- Drepanocladus fluitans (Hedw.) Warnst.
- Drepanocladus uncinatus (Hedw.) Warnst.
- Eurhynchium oreganum (Sull.) Jaeg.
- Eurhynchium pulchellum (Hedw.) Jinn.
- Eurhynchium stokesii (Turn.) B.S.G.
- Hemalothecium nuttallii (Wils.) Jaeg.
- Hygrocybe ochracea (Wils.) Loeske
- Hylocomium splendens (Hedw.) B.S.G.
- Hypnum circinale Hook.
- Hypnum dieckii Ren. & Card.
- Hypnum subimponens Lesq.
- Plagiothecium denticulatum (Hedw.) B.S.G.
- Plagiothecium piliferum (Hartm.) B.S.G.
- Plagiothecium undulatum (Hedw.) B.S.G.
- Rhytidadelphus lorenzii (Hedw.) Warnst.
- Rhytidadelphus squarrosus (Hedw.) Warnst.
- Rhytidadelphus triquetrus (Hedw.) Warnst.
- Rhytidopsis robusta (Hook.) Broth.

LESKEACEAE

- Claopodium bolanderi Best
Claopodium crispifolium (Hock.) Ren. & Cord.
Heterocladium heteropteroides Best
Lescuraea baileya (Best & Grout) Lawt.
Lescuraea patens (Lindb.) Arn. & Jens
Lescuraea radicans (Kitt.) Moculz.
Lescuraea savigniana (De Not.) Lawt.
Nyurella fuliginea (Schw.) Bry. Eur.

CRYPHTAGMACEAE

- Antitrichia curtipendula (Hedw.) Brid.

PTILIDIACEAE

- Blechnostoma trichophyllum (L.) Dumort.
Ptilidium californicum (Aust.) U. & C.
Ptilidium pulcherrimum (Web.) Hampe

LEPIDOZIACEAE

- Bozzania denudata (Torr.) Trev.

CALYPOGELIACEAE

- Calypogeia trichomanis (L.) Corda

CEPHALOZOIACEAE

- Cephalozia bicuspidata (L.) Dumort.

Cephalozia lernbergeriana Spruce

Cephalozia media Lindb.

Cephalozia pilosicula (Aust.) Lindb.

JUNGERMANNIACEAE

Gymnomitrium varians (Lindb.) Schiffn.

Lophozia excisa (Dicks.) Dumort.

Lophozia hatcheri (Evans) Steph.

Lophozia incisa (Schrad.) Dumort.

Lophozia lycopodioides (Wallr.) Cogn.

Lophozia porphyrocolea (Nees) Schiffn.

Plectocolea obovata (Nees) Mitt.

Plectocolea rubra (Gottsche) Evans

MARSUPIELLACEAE

Marsupella emarginata (Ehrh.) Dumort.

HARPANTHIACEAE

Lophocolea bidentata (L.) Dumort.

FLAGIOCHILACEAE

Plagiochila asplenoides (L.) Dumort.

SCAPANIACEAE

Diplophyllum albicans (L.) Dumort.

Diplophyllum ovatum Steph.

Diplophyllum taxifolium (Wahlenb.) Dumort.

Scenopinus americanus K. Müll.

Scenopinus bolanderi Aust.

Scenopinus dentata Dumort.

Scenopinus oakesii Aust.

Scenopinus undulata (L.) Dumort.

PORPHYRACEAE

Porella navicularis (L. & L.) Lindb.

Porella rockii Steph.

FRULLANIACEAE

Frullania nisquallensis Sull.

PELLIACEAE

Pellia epiphylla (L.) Corda

BLASTIACEAE

Blastia pusilla L.

NETZGERIACEAE

Netzgeria conjugata Lindb.

Netzgeria pubescens (Schrank) Reddi

RICCIARIACEAE

Riccardia multifida (L.) S.F. Gray

MARCHANTIACEAE

Asterella lugubris (Schw.) Underw.

Marchantia polymorpha L.

Lichens

VERMISERMICELAE

Staurothole discipilis Herre*Vermicularia hydrella* Ach.

DERMATOCAPPACIAB

Dermatocarpon fluviatile (G. Web.) Th. Fr.*Dermatocarpon miniatum* (L.) Mann

PYRENULACEAE

Arthopyrenia analuentella (Nyl.) Arn.

SPHAEROPHORACEAE

Sphaerophorus fragilis (L.) Pers.*Sphaerophorus globosus* (Huds.) Vain

GYROBECTACIAB

Dinerella lutea (Dicks.) Trev.

EPHEBACIAB

Thermitis velutina (Ach.) Flot.

COLLEMATACIAB

Leptogium lichenoides (L.) Zahlbr.

SPICIGRACEAE

Lobaria excreta (Tuck.) Hill. Arg.

Lobaria pulmonaria (L.) Hoffm.

Lobaria scrobiculata (Scop.) DC.

PELTIGERACEAE

Solorina crocea (L.) Ach.

Solorina saccata (L.) Ach.

Solorina spongiosa (Sm.) Anzi

Nephroma laevigatum Ach.

Nephroma resupinatum (L.) Ach.

Peltigera aphthosa (L.) Willd. var. aphthosa

Peltigera aphthosa (L.) Willd. var. variolosa (Mass.) Thoms.

Peltigera canina (L.) Willd. var. albescens (Wahlb.) Thoms.

Peltigera canina (L.) Willd. var. spuria (Ach.) Schaeer. f. sorediate
Schaeer.

Peltigera collina (Ach.) Ach.

Peltigera lepidophora (Nyl.) Vain

Peltigera malacea (Ach.) Funck.

Peltigera neobrenacea (Ach.) Nyl.

Peltigera polydactyla (Neck.) Hoffm. var. dolichorriza Herre

Peltigera polydactyla (Neck.) Hoffm. var. typica

Peltigera venosa (L.) Beauf.

LECIDIACEAE

Lecidea albocaerulescens (Wulf.) Ach. var. flavocaerulescens (Hornem.)
Schaeer.

- Lecidea atrofumosa* (Rum.) Schaer.
Lecidea cæsiotina Schaer.
Lecidea granulosa (Rhmk.) Ach.
Lecidea lapicida (Ach.) Ach.
Lecidea marginata Schaer.
Lecidea pantherina (Hoffm.) Th. Fr.
Lecidea speciosa (Ach.) Ach.
Lecidea tessellata (Ach.) Florke
Lecidella elaeochroma (Ach.) Haszl.
Lecidella stigmatica (Ach.) Hert. & Leuck
Mycoblastus sanguinarius (L.) Norm.
Toninia aromatica (Turn.) Mass.
Toninia ruginosa (Tuck.) Herre
Trapelia corrugata (Turn. ex Sm.) Choisy
Rhizocarpon distinctum Th. Fr.
Rhizocarpon geographicum (L.) DC.
Rhizocarpon hochstetteri (Korb.) Vain.

CLADINIACEAE

- Cladina arbuscula* (Wallr.) Hale & W. Culb.
Cladina mitis (Sandst.) Hale & W. Culb.
Cladina rangiferina (L.) Harm.
Cladonia bellidiflora (Ach.) Schaer.
Cladonia bellidiflora (Ach.) Schaer. f. coccacephala
Cladonia capitata (Michx.) Spreng. f. microcarpa (Evans) Evans
Cladonia cariosa (Ach.) Spreng.

- Cladonia chlorourea (Florke ex Scop.) Spreng.
- Cladonia chlorophloea (Florke ex Scop.) Spreng. f. simplex (Hoffm.) Arn.
- Cladonia coccifera (L.) Willd.
- Cladonia coniocraea (Florke) Spreng.
- Cladonia coniocraea (Florke) Spreng. f. ceratodes (Flk.) Dalla Torre
- Cladonia coniocraea (Florke) Spreng. f. truncata Dalla Torre & Sarnth.
- Cladonia cornuta (L.) Hoffm.
- Cladonia deformis (L.) Hoffm.
- Cladonia digitata (L.) Hoffm.
- Cladonia floerkeana (Fr.) Florke
- Cladonia furcata (Huds.) Schrad. var. furcata
- Cladonia gracilis (L.) Willd. var. dilatata (Hoffm.) Vain.
- Cladonia gracilis (L.) Willd. var. elongata (Jacq.) Flk.
- Cladonia gracilis (L.) Willd. var. gracilis
- Cladonia hookeri Tuck.
- Cladonia lepidota Nyl.
- Cladonia macilenta Hoffm. ssp. macilenta f. granulosa Aigret
- Cladonia macilenta Hoffm. ssp. macilenta f. macilenta
- Cladonia macrophyllodes Nyl.
- Cladonia phyllophora Hoffm. f. phyllophora
- Cladonia pityrea (Florke) Fr. var. pityrea
- Cladonia pityrea (Florke) Fr. var. pityrea f. squamulifera Vain.
- Cladonia pyxidata (L.) Hoffm.
- Cladonia rangiferina Hoffm.
- Cladonia scoulerosa (Scop.) Hoffm.
- Cladonia subsquamosa (Nyl.) Vain.

- Cladonia subulata (L.) Wigg
Cladonia furzida (Flot.) Hoffm.
Pilophoron acicularis (Ach.) Nyl.
Pilophoron coryneolum (Ach.) Th. Fr.
Pilophoron clavatum Th. Fr.

STEREOCAULACEAE

- Stereocaulon albicans Th. Fr.
Stereocaulon alpinum Laur.
Stereocaulon alpinum Laur. var. alpinum (Lamb.) Laur.
Stereocaulon depreaultii Del. var. caespitosum Del. ex Nyl.
Stereocaulon tomentosum Fr.
Stereocaulon vesuvianum var. denudatum (Flk.) Lamb.

UMBILICARIACEAE

- Omphalodiscus decussatus (Vill.) Schol.
Omphalodiscus virginis (Schaer.) Schol.
Umbilicaria angulata Tuck.
Umbilicaria cylindrica (L.) Del.
Umbilicaria deusta (L.) Baumg.
Umbilicaria haveasii Llano
Umbilicaria hyperborea (Ach.) Ach.
Umbilicaria lambii Imsch.
Umbilicaria proboscidea (L.) Schrad.
Umbilicaria torrefacta (Lightf.) Schrad.

ACAROSPORACEAE

- Biatorella fulshanensis Herre
Sarcosyne bicolor Magn.
Sporastatia testudinea (Ach.) Kass.

LECANORACEAE

- Candelariella vitellina (Ehrh.) Null. Arg.
Icmadophila ericetorum (L.) Zahlbr.
Lecanora alpina Senn.
Lecanora laevata (Ach.) Nyl.
Lecanora pacifica Tuck.
Lecanora polytropa (Ehrh.) Rabenh.
Lecanora subfuscata (L.) Ach. var. argentata Ach.
Ochrolechia oragoneensis Magn.
Ochrolechia pallescens (L.) Mass.
Ochrolechia tartarea (L.) Mass.
Placopsis gelida (L.) Linds.

PARELLIACEAE

- Parmeliopsis ambigua (Wulf.) Nyl.
Parmeliopsis hyperocea (Ach.) Vain.
Parmelia alpicola Th. Fr.
Parmelia infumata Nyl.
Parmelia multisporella Schmid.
Parmelia olivacea (L.) Ach.
Parmelia panniformis (Nyl.) Vain.
Parmelia saxatilis (L.) Ach.

- Hypogymnia intestiniformis (Vill.) Ras.
Hypogymnia physodes (L.) W. Wetz.
Hypogymnia vittata (Ach.) Gas.
Pameliella praeternissa (Nyl.) P. James
Cetraria ericetorum Opiz
Cetraria glauca (L.) Ach.
Cetraria hepatizon (Ach.) Vain.
Cetraria islandica (L.) Ach.
Cetraria nivalis (L.) Ach.
Cetrelia cetrarioides (Del ex Duby) W. Culb. & C. Culb.
Platismatia glauca (L.) W. Culb. & C. Culb.
Platismatia herrei (Insh.) W. Culb. & C. Culb.

USNEACEAE

- Alectoria glabra Not.
Alectoria frereonii Tuck.
Alectoria minuscula Nyl.
Alectoria nigricans (Ach.) Nyl.
Alectoria ochroleuca (Hoffm.) Mass.
Alectoria pubescens (L.) R. H. Howe
Alectoria sarmentosa (Ach.) Ach.
Cornicularia aculeata (Schreb.) Ach.
Cornicularia normoerica (Gumm.) Du Rietz
Letharia vulpina (L.) Rue
Thamnolia vermicularis (Sw.) Ach. ex Schaer.
Usnea glabrescens (Nyl.) ex Vain. ssp. glabella Not.

Usnea longissima Ach.

Usnea trichodon Ach.

CALOPLACACEAE

Caloplaca jungermanniae (Vahl.) Th. Fr.

DIPLOSCHISTACRÆ

Xanthoria candelaria (L.) Th. Fr.

Xanthoria polycarpa (Ehrh.) Oliv.

BULLIACRÆ

Rimedina turfacea (Wahlenb.) Korb.

PYSSCIACRÆ

Physcia adscia (Ehrh.) Hanke

Physcia dubia (Hoffm.) Lett.

Physcia teretiuscula (Ach.) Lynge

Physconia muscigena (Ach.) Poelt

DIPLOSCHISTACRÆ

Diploschistes actinostomus (Pers.) Zahlbr.

Birds

GAVIDAE

Gavia immer Common Loon

COLYMBIDAE

Podiceps auritus Horned Grebe

Podiceps caspicus Eared Grebe

Podiceps grisegena Red-necked Grebe

Aechmophorus occidentalis Western Grebe

Podilymbus podiceps Pie-billed Grebe

ARDEIDAE

Ardea herodias Great Blue Heron

Botaurus lentiginosus American Bittern

ANATIDAE

+Olor columbianus Whistling Swan

*Olor buccinator Trumpeter Swan

Branta canadensis Canada Goose

Anas platyrhynchos Mallard

Anas strepera Gadwall

Anas acuta Pintail

Anas carolinensis Green-winged Teal

Anas discors Blue-winged Teal

Anas cyanoptera Cinnamon Teal

Mareca americana American Widgeon

Spatula clypeata Shoveler
Aix sponsa Wood Duck
*Aythya americana Redhead
Aythya collaris Ring-necked Duck
*Aythya valisineria Canvasback
Aythya marila Greater Scaup
Aythya affinis Lesser Scaup
Bucephala clangula Common Goldeneye
Bucephala islandica Barrow's Goldeneye
Bucephala albeola Bufflehead
Histrionicus histrionicus Harlequin Duck
+Melanitta deglandi White-winged Scoter
Lophodytes cucullatus Hooded Merganser
Mergus serrator Red-breasted Merganser
Mergus merganser Common Merganser

CATHARTIDAE

Cathartes aura Turkey Vulture

ACCIPITRIDAE

Accipiter gentilis Goshawk
Accipiter striatus Sharp-shinned Hawk
Accipiter cooperii Cooper's Hawk
Buteo jamaicensis Red-tailed Hawk
Buteo swainsoni Swainson's Hawk
+Buteo lagopus Rough-legged Hawk

Aquila chrysaetos Golden Eagle

Haliaeetus leucocephalus Bald Eagle

Circus cyaneus Marsh Hawk

PANDIONIDAE

Pandion haliaetus Osprey

FALCONIDAE

*Falco peregrinus Peregrine Falcon

Falco columbaris Pigeon Hawk

Falco sparverius Sparrow Hawk

TETRAONIDAE

Dendragapus obscurus Blue Grouse

Canachites canadensis Spruce Grouse

Bonasa umbellus Ruffed Grouse

Lagopus leucurus White-tailed Ptarmigan

PHASIANIDAE

Lophortyx californica California Quail

Oreortyx pictus Mountain Quail

Phasianus colchicus Ring-necked Pheasant

*Alectoris graeca Chukar

GRUIDAE

*Grus canadensis Sandhill Crane

RALLIDAE

Rallus limicola Virginia Rail

Porzana carolina Sora

Fulica americana American Coot

CHARADRIIDAE

Charadrius vociferus Killdeer

SCOLOPACIDAE

Capella gallinago Common Snipe

Numenius americanus Long-billed Curlew

Actitis macularia Spotted Sandpiper

Tringa solitaria Solitary Sandpiper

Totanus melanoleucus Greater Yellowlegs

Totanus flavipes Lesser Yellowlegs

PHALAROPODIDAE

*Steganocephalus tricolor Wilson's Phalarope

LARIDAE

Larus glaucescens Glaucous-winged Gull

*Larus argentatus Herring Gull

*Larus californicus California Gull

*Larus delawarensis Ring-billed Gull

*Larus canus Mew Gull

+Larus philadelphicus Bonaparte's Gull

ALCIDAE

*Brachyramphus marmoratus Marbled Murrelet

COLUMBIDAE

Columba fasciata Band-tailed Pigeon

Zenaidura macroura Mourning Dove

TYTONIDAE

Tyto alba Barn Owl

STRIGIDAE

Otus asio Screech Owl

Bubo virginianus Great Horned Owl

+Nyctea scandiaca Snowy Owl

Surnia ulula Hawk-owl

Glaucidium gnoma Pygmy Owl

Strix occidentalis Spotted Owl

Strix nebulosa Great Gray Owl

Asio flammeus Short-eared Owl

Aegolius acadicus Saw-whet Owl

CAPRIMULGIDAE

Chordeiles minor Common Nighthawk

APODIDAE

Cypseloides niger Black Swift

Chaetura vauxi Vaux's Swift

*Aeronautes saxatalis White-throated Swift

TROCHILIDAE

Selasphorus rufus Rufous Hummingbird

Stellula calliope Calliope Hummingbird

ALCEDINIDAE

Megaceryle alcyon Belted Kingfisher

PICIDAE

Colaptes cafer Red-shafted Flicker

Dryocopus pileatus Pileated Woodpecker

Asyndesmus lewisi Lewis's Woodpecker

Sphyrapicus varius Yellow-bellied Sapsucker

Dendrocopos villosus Hairy Woodpecker

Dendrocopos pubescens Downy Woodpecker

Picoides arcticus Black-backed Three-toed Woodpecker

Picoides tridactylus Northern Three-toed Woodpecker

TYRANNIDAE

+Tyrannus verticalis Western Kingbird

Empidonax traillii Traill's Flycatcher

Empidonax hammondi Hammond's Flycatcher

*Empidonax oberholseri Dusky Flycatcher

Empidonax difficilis Western Flycatcher

Contopus sordidulus Western Wood Pewee

Nuttallornis borealis Olive-sided Flycatcher

ALAUDIDAE

Bronchocela albogularis Horned Lark

HIRUNDINIDAE

Tachycineta thalassina Violet-green Swallow

Iridoprocne bicolor Tree Swallow

Stelgidopteryx ruficollis Rough-winged Swallow

Hirundo rustica Barn Swallow

Petrochelidon pyrrhonota Cliff Swallow

Progne subis Purple Martin

CORVIDAE

Perisoreus canadensis Gray Jay

Cyanocitta stelleri Steller's Jay

Pica Pica Black-billed Magpie

Corvus corax Common Raven

Corvus brachyrhynchos Common Crow

Nucifraga columbiana Clark's Nutcracker

PARIDAE

Parus atricapillus Black-capped Chickadee

Parus gambeli Mountain Chickadee

Parus hudsonicus Boreal Chickadee

Parus rufescens Chestnut-backed Chickadee

*Psaltriparus minimus Common Bushtit

SITTIDAE

+Sitta carolinensis White-breasted Nuthatch

Sitta canadensis Red-breasted Nuthatch

CERTHIIDAE

Certhia familiaris Brown Creeper

CINCLIDAE

Cinclus mexicanus American Dipper

TROGLODYTIIDAE

Troglodytes aedon House Wren

Troglodytes troglodytes Winter Wren

+Troglodytes bewickii Bewick's Wren

Troglodytes palustris Long-billed Marsh Wren

MIMIDAE

Dumetella carolinensis Catbird

TURDIDAE

Turdus migratorius American Robin

Ixoreus naevius Varied Thrush

Hylocichla guttata Hermit Thrush

Hylocichla ustulata Swainson's Thrush

Sialia mexicana Western Bluebird

Sialia currucoides Mountain Bluebird

Mycadestes townsendi Townsend's Solitaire

REGULIDAE

Regulus satrapa Golden-crowned Kinglet

Regulus calendula Ruby-crowned Kinglet

MOTACILLIDAE

Anthus spinoletta Water Pipit

BOMBYCILLIDAE

Bombycilla garrula Bohemian Waxwing

Bombycilla cedrorum Cedar Waxwing

LANIIDAE

*Lanius excubitor Northern Shrike

STURNIDAE

Sturnus vulgaris Common Starling

VIREONIDAE

Vireo huttoni Hutton's Vireo

Vireo solitarius Solitary Vireo

Vireo olivaceus Red-eyed Vireo

Vireo gilvus Warbling Vireo

PARULIDAE

Vermivora celata Orange-crowned Warbler

Vermivora ruficapilla Nashville Warbler

- Dendroica petechia Yellow Warbler
Dendroica coronata Myrtle Warbler
Dendroica auduboni Audubon's Warbler
Dendroica nigriceps Townsend's Warbler
+Dendroica occidentalis Hermit Warbler
Oporornis tolmieci MacGillivray's Warbler
Geothlypis trichas Common Yellowthroat
Wilsonia pusilla Wilson's Warbler
Setophaga ruticilla American Redstart

PLOCEDIDAE

- Passer domesticus House Sparrow

ICTERIDAE

- Sturnella neglecta Western Meadowlark
Xanthocephalus xanthocephalus Yellow-headed Blackbird
Azelaoris phoeniceus Redwinged Blackbird
Euphagus cyanocephalus Brewer's Blackbird
Molothrus ater Brown-headed Cowbird

THRAUPIIDAE

- Piranga ludoviciana Western Tanager

FRINGILLIDAE

- Pheucticus melanocephalus Black-headed Grosbeak
Hesperiphona vespertina Evening Grosbeak

- Carpodacus purpureus Purple Finch
Carpodacus cassini Cassin's Finch
Carpodacus mexicanus House Finch
Pinicola enucleator Pine Grosbeak
Leucosticte tephrocotus Gray-crowned Rosy Finch
Spinus pinus Pine Siskin
Spinus tristis American Goldfinch
Loxia curvirostra Red Crossbill
Loxia leucoptera White-winged Crossbill
Picilo erythrophthalmus Rufous-sided Towhee
Passerculus sandwichensis Savannah Sparrow
*Junco hyemalis Slate-colored Junco
Junco oreganus Oregon Junco
Spizella arborea Tree Sparrow
Spizella passerina Chipping Sparrow
*Spizella breweri Brewer's Sparrow
*Zonotrichia querula Harris' Sparrow
Zonotrichia leucophrys White-crowned Sparrow
*Zonotrichia atricapilla Golden-crowned Sparrow
*Zonotrichia albicollis White-throated Sparrow
Passerella iliaca Fox Sparrow
+Melospiza lincolni Lincoln's Sparrow
Melospiza melodia Song Sparrow

Mammals

DIPLEMNIIDAE

Didelphis marsupialis virginiana Opossum

SORICIDAE

Sorex bendiri bendiri Bendire shrew

Sorex cinereus cinereus Cinereus shrew

Sorex cinereus streatorii Cinereus shrew

Sorex vagrans obscurus Wandering shrew

Sorex vagrans setosus Wandering shrew

Sorex vagrans vagrans Wandering shrew

Sorex palustris navigator Mountain water shrew

Sorex trowbridgii trowbridgii Trowbridge shrew

TALPIDAE

Neurotrichus gibbsi gibbsi Shrew mole

Neurotrichus gibbsi minor Shrew mole

Scapanus townsendii Townsend's mole

Scapanus orarius orarius Coast mole

VESPERTILIONIDAE

Corynorhinus townsendi townsendi Western big-eared bat

Eptesicus fuscus bernardinus Big brown bat

Lasionycteris noctivagans Silver-haired bat

Lasiurus borealis teliotus Red bat

Lasiurus cinereus. Hoary bat

Nyotis californicus caurinus. California myotis

Nyotis evotis pacificus. Long-eared myotis

Nyotis keeni keeni. Keen myotis

Nyotis lucifugus alascensis. Little brown myotis

Nyotis volans longiorus. Long-legged myotis

Nyotis yumanensis saturatus. Yuma myotis

OCHOTONIDAE

Ochotona princeps brumosa. Rocky mountain pika

Ochotona princeps feniex. Rocky mountain pika

LEPORIDAE

Lepus americanus cascadiensis. Snowshoe hare

Lepus americanus washingtoni. Snowshoe hare

Sylvilagus nuttalli nuttalli. Mountain cottontail

Sylvilagus floridanus mearnsi. Eastern cottontail

APLODONTIDAE

Aplodontia rufa rufa. Mountain beaver

Aplodontia rufa rainieri. Mountain beaver

SCIURIDAE

Marmota flaviventris avara. Yellow-bellied marmot

Marmota caligata cascadiensis. Hoary marmot

Spermophilus columbianus columbianus. Columbian ground squirrel

- Spermophilus saturatus Cascade mantled groundsquirrel
Eutamias amoenus affinis Northwestern chipmunk
Eutamias amoenus felix Northwestern chipmunk
Eutamias townsendi townsendi Townsend chipmunk
Eutamias townsendi cooperi Townsend chipmunk
Tamiasciurus hudsonicus streatori Red squirrel
Tamiasciurus douglasii mollivilosus Douglas squirrel
Glaucomys sabrinus columbiensis Northern flying squirrel
Glaucomys sabrinus fuliginosus Northern flying squirrel
Glaucomys sabrinus oryzivorus Northern flying squirrel

GEOMYIDAE

- Thomomys talpoides incensus Northern pocket gopher

CASTORIDAE

- Castor canadensis leucodontus American beaver

CRICETIDAE

- Peromyscus maniculatus austerus Deer mouse
Peromyscus oreas Cascade deer mouse
Neotoma cinerea occidentalis Bushy-tailed wood rat
Synaptomys borealis wrangeli Northern bog-lemming
Clethrionomys gapperi cascadiensis Boreal redback vole
Clethrionomys occidentalis occidentalis Western redback vole
Phenacomys intermedius oranontis Mountain heather vole
Microtus oregoni serpens Creeping vole

- Microtus richardsoni richardsoni Water rat
Microtus townsendi townsendi Townsend vole
Microtus longicaudus paucimuris Long-tailed vole
Microtus longicaudus mordax Long-tailed vole
Ondatra zibethica osoyoosensis Muskrat
Zapus princeps kootenayensis Western jumping mouse
Zapus trinotatus trinotatus Northwestern jumping mouse

ERETHIZONTIDAE

- Erethizon dorsatum nigriventer Porcupine

CANIDAE

- Canis latrans lestes Coyote
Canis lupus fuscus Timber wolf
Vulpes fulva cascadiensis Red fox

URSIDAE

- Ursus americanus altifrontalis Black bear
Ursus arctos horribilis Grizzly bear

PROCYONIDAE

- Procyon lotor pacificus Raccoon

MUSTELIDAE

- Martes americana abietinoides Marten
Martes americana caurina Marten

- Martes pennanti pennanti Fisher
Mustela erminea fallax Ermine
Mustela erminea invicta Ermine
Mustela frenata altifrontalis Long-tailed weasel
Mustela frenata nevadensis Long-tailed weasel
Mustela vison energumenes Mink
Gulo luscus luscus Wolverine
Spilogale gracilis latifrons Spotted skunk
Menphis mechitis spissigrada Striped skunk
Lutra canadensis pacifica River otter

FELIDAE

- Felis concolor oregonensis Cougar
Lynx rufus fasciatus Bobcat
Lynx canadensis canadensis Canada lynx

CERVIDAE

- Cervus canadensis nelsoni Elk
Odocoileus hemionus columbianus Blacktail deer
Odocoileus hemionus hemionus Mule deer
Alces alces andersoni Moose

BOVIDAE

- Oreamnos americanus americanus Mountain goat

LITERATURE CITED

- Grimm, Henry S. 1956. How to know the mosses and liverworts. Rev. ed. W. C. Brown Co., Dubuque, Iowa. 226 p.
- Cowan, Ian McT., and C. J. Guiguet. 1965. The mammals of British Columbia. British Columbia Provincial Museum. Handbook 11. 414 p.
- Douglas, George W. 1969a. A checklist of vascular plants, mosses and lichens of the North Cascades of Washington. National Park Service, Sedro Woolley, Washington. 45 p.
- Douglas, George W. 1969b. A preliminary biological survey of the North Cascades National Park and the Ross Lake and Lake Chelan National Recreation Areas. National Park Service, Seattle, 195 p.
- Douglas, George W., and Ronald J. Taylor. 1970. Contributions to the flora of Washington. Rhodora 72:496-501.
- Grout, A. J. 1928. Moss flora of North America north of Mexico. Author, Newfane, Vermont. Vol. 3. 277 p.
- Grout, A. J. 1933. Moss flora of North America north of Mexico. Author, Newfane, Vermont. Vol. 2. 285 p.
- Grout, A. J. 1936. Moss flora of North America north of Mexico. Author, Newfane, Vermont. Vol. 1. 264 p.
- Hale, Mason E., Jr., and William L. Culberson. 1970. A fourth checklist of the lichens of the continental United States and Canada. Bryologist 73:499-543.
- Hall, E. R., and K. R. Kelson. 1959. The mammals of North America. Ronald Press, New York. 2 Vol. 1083 p.
- Hitchcock, C. Leo, Arthur Cronquist, Marion Cumbey, and J. W. Thompson. 1955. Vascular plants of the Pacific Northwest. Vol. 5 Compositae. University of Washington Press, Seattle. 343 p.
- Hitchcock, C. Leo, Arthur Cronquist, Marion Cumbey, and J. W. Thompson. 1959. Vascular plants of the Pacific Northwest. Vol. 4. Ericaceae through Campanulaceae. University of Washington Press, Seattle. 510 p.

- Hitchcock, C. Leo, Arthur Cronquist, Marion Ownbey, and J. W. Thompson.
1961. Vascular plants of the Pacific Northwest. Vol. 3.
Saxifragaceae to Ericaceae. University of Washington Press,
Seattle. 614 p.
- Hitchcock, C. Leo, Arthur Cronquist, Marion Ownbey, and J. W. Thompson.
1964. Vascular plants of the Pacific Northwest. Vol. 2.
Salicaceae to Saxifragaceae. University of Washington Press,
Seattle. 597 p.
- Hitchcock, C. Leo, Arthur Cronquist, Marion Ownbey, and J. W. Thompson.
1969. Vascular plants of the Pacific Northwest. Vol. 1.
Vascular Cryptograms, Gymnosperms and Monocotyledons. University
of Washington Press, Seattle. 914 p.
- Howard, Grace E. 1950. Lichens of the state of Washington. University
of Washington Press, Seattle. 191 p.
- Jewett, Stanley G., Walter P. Taylor, William T. Shaw, and John W. Aldrich.
1953. Birds of Washington State. University of Washington
Press, Seattle. 767 p.
- Larrison, Earl J., and Klaus G. Sonnenberg. 1968. Washington birds.
Seattle Audubon Society, Seattle. 258 p.
- Lawton, Elva. 1965. Keys for the identification of the mosses of
Washington and Oregon. Bryologist 68:141-184.