

# Flora of the Pacific Northwest Checklist

A checklist of the Vascular Plants of the Pacific Northwest  
Hosted by the University of Washington Herbarium

## Family: Ericaceae

71 terminal taxa (species, subspecies, and varieties).

The Flora of the Pacific Northwest Checklist aims to be a complete list of the native and naturalized vascular plants of the Pacific Northwest, with current classifications, nomenclature and synonymy.

### Taxa included in the checklist:

- Native taxa whether extant, extirpated, or extinct.
- Exotic taxa that are naturalized, escaped from cultivation, or persisting wild.
- Waifs (e.g., ballast plants, escaped crop plants) and other scarcely collected exotics.
- Interspecific hybrids that are frequent or self-maintaining.
- Some unnamed taxa in the process of being described.

Family classifications follow [APG IV](#) for angiosperms, PPG I (J. Syst. Evol. 54:563-603. 2016.) for pteridophytes, and Christenhusz et al. (Phytotaxa 19:55-70. 2011.) for gymnosperms, with a few exceptions. Nomenclature and synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superceded by new information.

Accepted names are indicated with **blue type**, synonyms with gray type.

Native species and infraspecies are marked with **bold-face type**.

\*Non-native and introduced taxa are preceded by an asterisk.

**Please note:** This is a working checklist, continuously updated. Use it at your discretion.

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Available online at <https://burkeherbarium.org/pnwflora/>

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## Dicots:

### Empetraceae: see Ericaceae

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### Ericaceae [FNA8, HC, HC2] Heath Family

#### Synonyms:

Empetraceae [HC] (Crowberry Family)

Monotropaceae (Indian-Pipe Family)

Pyrolaceae (Wintergreen Family)

FNA8: "The closest relatives of the broadly defined Ericaceae are Clethraceae and Cyrillaceae. Some phylogenies show Cyrillaceae as sister to Ericaceae; other analyses have Clethraceae and Cyrillaceae as closest relatives to each other, together forming the sister group to Ericaceae. Monotropa and related genera (genera 5-12 of this treatment), and Pyrola and related genera (genera 1-4 of this treatment) have been treated as families Monotropaceae and Pyrolaceae. Not all botanists agreed with this, as summarized by G. H. M. Lawrence (1951): "Many botanists (including Hutchinson) have held the view that the Pyrolaceae are not sufficiently distinct from the Ericaceae to be treated as a separate family." Differences in habit, floral features, and pollen have helped maintain family status for Pyrolaceae and Monotropaceae in regional floras. Molecular and morphological analyses (K. A. Kron et al. 2002) show these lineages embedded within Ericaceae. Similarly, Empetraceae has been demonstrated to be nested within Ericaceae and is here included in the Ericaceae. Studies in the last several decades, especially since 1990 including molecular data, have resulted in rearrangements of generic limits in the Ericaceae. These are discussed under the various genera; for the reader's convenience they are summarized here. Ledum is included in Rhododendron; Leiophyllum and Loiseleuria are included in Kalmia; and Hypopitys is included in Monotropa. Arctous is separated from the much larger Arctostaphylos, to which it is inferred to form a sister clade. Eubotrys is segregated from Leucothoe, with which it has often been combined. Vaccinium is treated in a broad sense, to include segregates such as Oxycoccus; although Vaccinium is decidedly polymorphic, this seems a workable approach until generic limits in the Vaccinieae Reichenbach are better understood."

#### *Allotropa* [FNA8, HC, HC2]

Pacif. Railr. Rep. 6(3): 81. 1858.  
candystick, sugarstick

#### *Allotropa virgata* Torr. & A. Gray [FNA8, HC, HC2]

Pacif. Railr. Rep. 6(3): 80, 81. 1858.  
candystick, sugarstick

#### *Andromeda* [FNA8, HC, HC2]

Sp. Pl. 1: 393. 1753; Gen. Pl. ed. 5, 186. 1754.  
bog-rosemary, moorwort

#### *Andromeda polifolia* L. [FNA8, HC, HC2]

Sp. Pl. 1: 393. 1753.  
bog rosemary

Reported to occur in Washington in Flora of North America, but no specimens from WA currently exist in PNW herbaria.

#### *var. polifolia* [FNA8, HC2]

Sp. Pl. 1: 393. 1753.  
bog rosemary

*Andromeda polifolia* L. var. *concolor* B. Boivin

FNA8: "Variety *polifolia* is circumpolar in its distribution. In North America it occurs in the northwest arctic from Alaska to the west coast of Greenland, south as far as northern Washington and Idaho,

eastward in boreal forests to Hudson Bay, James Bay, and northern Labrador. Plants with the leaves not glaucous abaxially, rather than glaucous, have been distinguished as var. *concolor* (type from Kodiak Island, Alaska); such plants appear in scattered locations throughout the species range. A diminutive, narrow-leaved northern form, var. *acerosa* Hartman, was described from northern Europe, and specimens fitting that description occur in the extreme northern coastal areas of Alaska, Northwest Territories, Nunavut, Quebec, and Yukon."

***Arbutus* [FNA8, HC, HC2]**

Sp. Pl. 1: 395. 1753; Gen. Pl. ed. 5, 187. 1754.  
madroña, madrone, madroño

***Arbutus menziesii* Pursh [FNA8, HC, HC2]**

Fl. Amer. Sept. 1: 282. 1813.  
Pacific madrona, Pacific madrone

*Arbutus procera* Douglas ex Lindl.

**\**Arbutus unedo* L. [HC2]**

Sp. Pl. 1: 395. 1753.  
strawberry tree

***Arctostaphylos* [FNA8, HC, HC2]**

Fam. Pl. 2: 165. 1763.  
bearberry, manzanita

***Arctostaphylos xcoloradensis* Rollins [HC2]**

***Arctostaphylos columbiana* Piper [FNA8, HC, HC2]**

Fl. N.W. Coast. 279. 1915.  
bristly manzanita

*Arctostaphylos tomentosa* (Pursh) Lindl. [FNA8], misapplied

FNA8: "Arctostaphylos columbiana is widespread near the coast from northern California to southern British Columbia; it extends inland along the Columbia River Gorge in Oregon and Washington, and inland in Oregon to the western base of the Cascades. Some variation in twig indument occurs in the prominence of longer, stiff hairs, and in the degree of glandulosity. Some plants along the immediate coast of northern California into Oregon lack the longer hairs and have been distinguished as var. *tracyi*. Hybrids with *A. uva-ursi* are low shrubs (0.5-1 m) with intermediate vegetative characters. Referred to as *A. xmedia* Piper, these hybrids have been reported from British Columbia, California, Oregon, and Washington."

***Arctostaphylos columbiana* Piper × *Arctostaphylos nevadensis* A. Gray**

hybrid manzanita, hybrid pinemat

***Arctostaphylos xmedia* Greene [FNA8, HC, HC2]**

Pittonia 2: 171. 1891.  
medium manzanita

***Arctostaphylos nevadensis* A. Gray [FNA8, HC, HC2]**

Syn. Fl. N. Amer. 2: 27. 1878.  
pinemat manzanita

**ssp. *nevadensis* [FNA8, HC2]**

In A. Gray et al., Syn. Fl. N. Amer. 2: 27. 1878.  
pinemat manzanita

FNA8: "Subspecies *nevadensis* occurs from the North Coast Ranges of California (Del Norte and Humboldt counties) and the Sierra Nevada through the Cascades of Oregon to the Wenatchee Mountains of central Washington. It hybridizes with *Arctostaphylos patula*. Some botanists have assumed *A. parvifolia* Howell is of hybrid origin of *A. nevadensis* × *A. glandulosa*."

***Arctostaphylos nevadensis* A. Gray × *Arctostaphylos patula* Greene**

***Arctostaphylos patula* Greene [FNA8, HC, HC2]**

Pittonia. 2: 171. 1891.  
green-leaf manzanita

*Arctostaphylos acutifolia* Eastw.

*Arctostaphylos parryana* Lemmon var. *pinetorum* (Rollins) Wiesl. & B. Schreib.

*Arctostaphylos patula* Greene ssp. *platyphylla* (A. Gray) P.V. Wells

*Arctostaphylos patula* Greene var. *coalescens* W. Knight

*Arctostaphylos platyphylla* (Bray) Kuntze

FNA8: "Arctostaphylos patula is abundant and widespread in western North America as a dominant in montane chaparral, pine forest gaps, and high-elevation arid-steppe and canyon-land environments. Populations throughout western North America are characterized by twigs and inflorescence parts covered with relatively short hairs tipped with golden glands. In the central to northern Sierra Nevada, mixed with the widespread form are individuals that are eglandular and have a cover of relatively short, whitish hairs on the stems and inflorescences. Similarly, throughout most of its range, *A. patula* is nonsprouting after fire, and in areas characterized by winter snow cover it layers and creates broad, low mounds. In much of California, it typically sprouts after fires from obscure and flattened burls, forming circles of erect sprouts."

***Arctostaphylos uva-ursi* (L.) Spreng. [FNA8, HC, HC2]**

Syst. Veg. 2: 287. 1825.

red bearberry, kinnikinnick

*Arbutus uva-ursi* L.

FNA8: "Arctostaphylos uva-ursi exhibits great variation in indument associated with the young twigs. Most of this variation has historically been separated into subspecies, except that a recent analysis of the group suggested environmentally-based variation in these characters (T. J. Rosatti 1987b). This is the most widely distributed of all *Arctostaphylos* species and is the only one found outside of North America. Two ploidy levels are common, and populations sometimes contain both diploids and tetraploids. More work on this widespread species will likely elucidate its variation in morphology and ploidy. Infraspecific taxa may well be recognized once these patterns are further assessed. A form with somewhat puberulent and larger leaves has been described as *Arctostaphylos ×media* Greene. It occurs along the northern California coast and in Oregon and Washington. It is assumed to be a hybrid between *A. uva-ursi* and *A. columbiana*. Similarly, in the Rocky Mountains in areas with both *A. uva-ursi* and *A. patula*, hybrids have been called *A. coloradensis* Rollins."

***Arctous* [FNA8, HC2]**

Bot. Jahrb. Syst. 11: 144. 1889.

alpine bearberry

***Arctous rubra* (Rehder & E.H. Wils.) Nakai [FNA8, HC2]**

Trees Shrubs Japan. 156. 1922.

*Arctostaphylos alpina* (L.) Spreng. var. *rubra* (Rehder & Wils.) Bean [HC]

**\**Calluna* [FNA8, HC2]**

Trans. Linn. Soc. London. 6: 317. 1802.

Scotch heather

**\**Calluna vulgaris* (L.) Hull [FNA8, HC2]**

Brit. Fl. ed. 2. 114. 1808.

common heather

***Cassiope* [FNA8, HC, HC2]**

Edinburgh New Philos. J. 17: 157. 1834.

moss-heather, mountain-heather

(see also *Harrimanella*)

***Cassiope lycopodioides* (Pall.) D. Don [FNA8, HC2]**

Edinburgh New Philos. J. 17: 158. 1834.

clubmoss moss-heather, clubmoss mountain-heather

*Andromeda lycopodioides* Pall.

FNA8: "Subspecies *cristatipilosa* was based on a collection from the Queen Charlotte Islands, British Columbia. The only distinction that the authors drew between it and subsp. *lycopodioides* was that subsp. *cristatipilosa* has one to three crisped apical hairs on the leaves. Their claim that subsp. *lycopodioides* has

entirely glabrous leaves is not supported. All specimens of *Cassiope lycopodioides* that I have seen have curled hairs on the leaf apices of at least the young leaves. The hairs appear to be fugacious. However, subsp. *cristapilosa* does differ from subsp. *lycopodioides* in several features. It lacks the hyaline leaf margin as well as the adaxial surface and abaxial leaf base pubescence. In addition, the stems are thicker, and the pedicels and corollas are longer. This insular material warrants further investigation."

***Cassiope mertensiana* (Bong.) G. Don [FNA8, HC, HC2]**

Gen. Hist. 3: 829. 1834.

Mertens' moss-heather, Mertens' mountain-heather, white mountain-heather

*Andromeda mertensiana* Bong.

**ssp. *gracilis* Piper [FNA8, HC2]**

Smithsonian Misc. Collect. 50: 195. 1907.

*Cassiope mertensiana* (Bong.) G. Don var. *gracilis* (Piper) C.L. Hitchc. [HC]

**ssp. *mertensiana* [FNA8, HC2]**

Gen. Hist. 3: 829. 1834.

Mertens' mountain heather, western moss heather

*Andromeda cupressina* Hook.

*Cassiope mertensiana* (Bong.) G. Don var. *mertensiana* [HC]

***Cassiope tetragona* (L.) D. Don [FNA8, HC, HC2]**

Edinburgh New Philos. J. 17: 158. 1834.

four-angled moss-heather

**ssp. *saximontana* (Small) A.E. Porsild [FNA8, HC2]**

Canad. Field-Naturalist. 54: 68. 1940.

four-angled mountain heather, white arctic mountain heather

*Cassiope saximontana* Small

*Cassiope tetragona* (L.) D. Don var. *saximontana* (Small) C.L. Hitchc. [HC]

***Chimaphila* [FNA8, HC, HC2]**

Fl. Amer. Sept. 1: 279, 300. 1813.

pipsissewa, prince's-pine

***Chimaphila menziesii* (R. Br.) Spreng. [FNA8, HC, HC2]**

Syst. Veg. 2: 317. 1825.

little pipsissewa, little prince's-pine

*Pyrola menziesii* R. Br.

***Chimaphila umbellata* (L.) W.P.C. Barton [FNA8, HC, HC2]**

Veg. Mater. Med. U.S. 1: 17. 1817.

common Pipsissewa, prince's-pine

*Pyrola umbellata* L.

**ssp. *umbellata* [FNA8, HC2]**

Veg. Mater. Med. U.S. 1: 17. 1. 1817.

Pipsissewa, common prince's-pine

*Chimaphila acuta* Rydb.

*Chimaphila occidentalis* Rydb.

*Chimaphila umbellata* (L.) W.P.C. Barton ssp. *acuta* (Rydb.) Hultén

*Chimaphila umbellata* (L.) W.P.C. Barton ssp. *cisatlantica* (S.F. Blake) Hultén

*Chimaphila umbellata* (L.) W.P.C. Barton ssp. *occidentalis* (Rydb.) Hultén [KZ99]

*Chimaphila umbellata* (L.) W.P.C. Barton var. *acuta* (Rydb.) S.F. Blake

*Chimaphila umbellata* (L.) W.P.C. Barton var. *occidentalis* (Rydb.) S.F. Blake [HC]

FNA8: "Chimaphila umbellata is morphologically variable across its extensive range. Six subspecies have been recognized widely in the literature: subsp. *acuta* in the southwestern United States, subsp. *cisatlantica* in eastern North America, subsp. *domingensis* (S. F. Blake) Dorr in Hispaniola, subsp. *mexicana* (de Candolle) Hultén in Mexico, and subsp. *umbellata* in Eurasia. S. F. Blake (1917), in

discussing the complex, stated, "...while the differential characters brought forward for their specific separation are confined to differences in size, in the prominence of the venation, the shape of the sepals, the direction of the pedicels, and the rotundity of the stem, characters which are not only rather obscure but at best are merely comparative, and are shown by the material examined to be by no means absolutely constant." Hiroshi Takahashi (1987), who did not consider subsp. *domingensis*, found broad overlap in most morphologic characters used to distinguish the subspecies. Extreme forms of the spectrum of morphologic expression may be distinctive; variation among the taxa appears to be clinal. Only subsp. *domingensis*, which is geographically isolated on Hispaniola and has glabrous peduncles and pedicels, glabrous filaments, and relatively small leaves, appears to be sufficiently distinct from the rest of the species to warrant recognition (L. J. Dorr 1995). It also has rugulate pollen; other taxa included here within subsp. *umbellata* have psilate pollen (Takahashi 1986b)."

***Elliottia* [FNA8, HC2]**

Sketch Bot. S. Carolina. 1: 448. 1817.

*Cladothamnus* [HC]

***Elliottia pyroliflora* (Bong.) Brim & P.F. Stevens [FNA8, HC2]**

J. Arnold Arbor. 59: 336. 1978.

copperbush

*Cladothamnus pyrolaeflorus* Bong. [HC], orthographic variant

*Cladothamnus pyroliflorus* Bong. [HC]

*Leiophyllum pyroliflorum* (Bong.) Dippel

Some resources list this species as *E. pyroliflorus*, an orthographic variant with incongruent gender endings between the genus and specific epithets.

***Empetrum* [FNA8, HC, HC2]**

Sp. Pl. 2: 1022. 1753; Gen. Pl. ed. 5, 447. 1754.

crowberry

***Empetrum nigrum* L. [FNA8, HC, HC2]**

Sp. Pl. 2: 1022. 1753.

crowberry

*Empetrum nigrum* L. ssp. *hermaphroditum* (Hagerup) Böcher [KZ99]

*Empetrum nigrum* L. ssp. *nigrum* [KZ99]

**\**Erica* [FNA8, HC2]**

Sp. Pl. 1: 352. 1753; Gen. Pl. ed. 5, 167. 1754.

**\**Erica carnea* L. [HC2]**

**\**Erica cinerea* L. [FNA8, HC2]**

Sp. Pl. 1: 352. 1753.

***Gaultheria* [FNA8, HC, HC2]**

Sp. Pl. 1: 395. 1753; Gen. Pl. ed. 5, 187. 1754.

gaultheria, salal, wintergreen

***Gaultheria hispida* (L.) Muhl. ex Bigelow [FNA8, HC, HC2]**

Fl. Boston. (ed. 2). 165. 1824.

creeping snowberry

*Chiogenes hispida* (L.) Torr. & A. Gray

*Vaccinium hispidulum* Michx., invalid name

Rare in WA.

***Gaultheria humifusa* (Graham) Rydb. [FNA8, HC, HC2]**

Mem. New York Bot. Gard. 1: 300. 1900.

alpine wintergreen

*Gaultheria myrsinoides* Hook.

*Vaccinium humifusum* Graham

***Gaultheria ovatifolia* A. Gray [FNA8, HC, HC2]**

Proc. Amer. Acad. Arts. 19: 85. 1883.  
western teaberry, slender wintergreen

***Gaultheria shallon* Pursh [FNA8, HC, HC2]**

Fl. Amer. Sept. 1: 283, plate 12. 1813.  
salal

***Harrimanella* [FNA8, HC2]**

Proc. Wash. Acad. Sci. 3: 570, figs. 62, 66. 1901.  
harrimanella, moss-heather, mossplant

***Harrimanella stelleriana* (Pall.) Coville [FNA8, HC2]**

Proc. Wash. Acad. Sci. 3: 574. 1901.  
Alaska bell-heather, Alaska bellheather, alpine heather, Alaskan moss-heather, Alaskan mountain-heather  
*Andromeda stelleriana* Pall.  
*Cassiope stelleriana* (Pall.) DC. [HC]

***Hemitomes* [FNA8, HC, HC2]**

Pacif. Railr. Rep. 6(3): 80, plate 12. 1858.  
gnome-plant

***Hemitomes congestum* A. Gray [FNA8, HC, HC2]**

Pacif. Railr. Rep. 6(3): 80, plate 12. 1858.  
coneplant, gnome-plant

*Hemitomes spicatum* Greene  
*Newberrya congesta* Torr.  
*Newberrya longiloba* Small  
*Newberrya spicata* A. Gray

***Kalmia* [FNA8, HC, HC2]**

Sp. Pl. 1: 391. 1753; Gen. Pl. ed. 5, 185. 1754.  
azalea, laurel

*Loiseleuria* [HC]

***Kalmia microphylla* (Hook.) A. Heller [FNA8, HC, HC2]**

Bull. Torrey Bot. Club. 25: 581. 1898.  
western bog laurel

*Kalmia polifolia* Wangenh. [FNA8], misapplied

***var. microphylla* [FNA8, HC2]**

Bull. Torrey Bot. Club 25(11): 581. 1898.  
alpine-laurel, bog laurel

*Kalmia polifolia* Wangenh. ssp. *microphylla* (Hook.) Calder & Roy L. Taylor

*Kalmia polifolia* Wangenh. var. *microphylla* (Hook.) Hall

FNA8: "Kalmia microphylla is highly variable and has been treated as two species (J. K. Small 1914), two subspecies (R. L. Taylor and B. MacBryde 1978), or two varieties (J. E. Ebinger 1974). A flavonoid study (S. Liu 1993) indicated that the Pacific lowland (from Washington to Alaska) var. *occidentalis* populations are hardly separable from the alpine var. *microphylla* populations. The flavonoid data cited in support of combining *K. microphylla* and *K. occidentalis* are unpublished and impossible to judge. In any case, one would not expect varieties to necessarily differ chemically; the morphological and ecological differences seem sufficient. The two varieties of *Kalmia microphylla* are generally distinct; var. *microphylla* is common in alpine meadows of western North America from California through the Rocky Mountains into northern Canada and Alaska. The elevations at which it is found range from an average 2500 meters (1500-3500 m) in California to an average 1700 meters (900-2200 m) in Alberta, British Columbia, and Washington. Variety *occidentalis*, in contrast, is always encountered growing below 900 meters, being common in coastal areas and islands off the coast of Alaska and British Columbia. These two varieties are known to hybridize (J. E. Ebinger 1974), and the hybrids are highly

fertile and set large quantities of viable seed (R. A. Jaynes 1988)."

**var. *occidentalis* (Small) Ebinger [FNA8, HC2]**

Rhodora. 76: 340. 1974.

Western swamp laurel

*Kalmia occidentalis* Small [HC]

*Kalmia polifolia* Wangenh. ssp. *occidentalis* (Small) Abrams

FNA8: "Kalmia microphylla is highly variable and has been treated as two species (J. K. Small 1914), two subspecies (R. L. Taylor and B. MacBryde 1978), or two varieties (J. E. Ebinger 1974). A flavonoid study (S. Liu 1993) indicated that the Pacific lowland (from Washington to Alaska) var. *occidentalis* populations are hardly separable from the alpine var. *microphylla* populations. The flavonoid data cited in support of combining *K. microphylla* and *K. occidentalis* are unpublished and impossible to judge. In any case, one would not expect varieties to necessarily differ chemically; the morphological and ecological differences seem sufficient. The two varieties of *Kalmia microphylla* are generally distinct; var. *microphylla* is common in alpine meadows of western North America from California through the Rocky Mountains into northern Canada and Alaska. The elevations at which it is found range from an average 2500 meters (1500-3500 m) in California to an average 1700 meters (900-2200 m) in Alberta, British Columbia, and Washington. Variety *occidentalis*, in contrast, is always encountered growing below 900 meters, being common in coastal areas and islands off the coast of Alaska and British Columbia. These two varieties are known to hybridize (J. E. Ebinger 1974), and the hybrids are highly fertile and set large quantities of viable seed (R. A. Jaynes 1988). Variety *occidentalis* and *Kalmia polifolia* are strikingly similar. Both have the same general habit and size and are very similar in most morphological characteristics. These taxa are easily separated by the revolute leaf margins and small stalked glands along the leaf midrib in *K. polifolia*, which are lacking in var. *occidentalis* (J. E. Ebinger 1974). Hybrids between them are sterile (R. A. Jaynes 1988)."

***Kalmia procumbens* (L.) Gift & Kron [FNA8, HC2]**

Nordic J. Bot. 26: 47. 2008.

alpine-azalea, alpine azalea, trailing azalea

*Azalea procumbens* L.

*Chamaecistus procumbens* (L.) Kuntze

*Loiseleuria procumbens* (L.) Desv. [HC]

Known only from a single collection (1963) in Skagit County, with no additional reports since. FNA8: "Kalmia procumbens is the only species of the genus that is not endemic to North America. An attractive dwarf shrub, it is sometimes cultivated in rock gardens. The inclusion here of *Kalmia procumbens* and *K. buxifolia*, traditionally treated as the monotypic genera *Loiseleuria* and *Leiophyllum*, is in keeping with the results of recent morphological and molecular phylogenetic studies. P. F. Stevens et al. (2004) also included *Leiophyllum* and *Loiseleuria* within an expanded *Kalmia*. These two species have evolved deeply cleft corollas with nearly separate petals, and thus lost the characteristic pockets of *Kalmia*; otherwise they are typical for the genus."

***Moneses* [FNA8, HC2]**

Nat. Arr. Brit. Pl. 2: 396, 403. 1821.

wood nymph, one-flowered wintergreen

***Moneses uniflora* (L.) A. Gray [FNA8, HC2]**

Manual. 273. 1848.

single-delight, one-flower wintergreen

*Moneses reticulata* Nutt.

*Moneses uniflora* (L.) A. Gray ssp. *reticulata* (Nutt.) Calder & Roy L. Taylor

*Moneses uniflora* (L.) A. Gray var. *reticulata* (Nutt.) S.F. Blake

*Pyrola uniflora* L. [HC]

FNA8: "Most chromosome counts are  $2n = 26$ ; there are reports of  $2n = 22$ , 24, and 32 (Å. Löve and D. Löve 1975b). The veracity of the latter reports has not been confirmed. *Moneses uniflora* has been used by different Native American tribes as a dermatological aid, cold remedy, throat aid, and analgesic (D. E. Moerman 1998)."

***Monotropa* [FNA8, HC, HC2]**

Sp. Pl. 1: 387. 1753; Gen. Pl. ed. 5, 183. 1754.

***Monotropa hypopitys* L. [FNA8, HC2]**

Sp. Pl. 1: 387. 1753.

many-flower Indian-pipe

*Hipopitys fimbriata* (A. Gray) Howell

*Hipopitys lanuginosa* (Michx.) Raf.

*Hipopitys monotropa* Crantz

*Hypopitys americana* (DC.) Small

*Hypopitys monotropa* Crantz [HC]

*Monotropa hypopitys* L. ssp. *lanuginosa* (Michx.) H. Hara

*Monotropa latisquama* (Rydb.) Hultén

***Monotropa uniflora* L. [FNA8, HC, HC2]**

Sp. Pl. 1: 387. 1753.

one-flower Indian-pipe

*Monotropa brittonii* Small

*Monotropa morisoniana* Michx.

***Orthilia* [FNA8, HC2]**

Autik. Bot. 103. 1840.

one-sided wintergreen

***Orthilia secunda* (L.) House [FNA8, HC2]**

Amer. Midl. Naturalist. 7: 134. 1921.

one-sided pyrola, sidebells

*Orthilia secunda* (L.) House ssp. *obtusata* (Turcz.) Böcher

*Pyrola secunda* L. [HC]

*Pyrola secunda* L. ssp. *obtusata* (Turcz.) Hultén

*Pyrola secunda* L. var. *obtusata* Turcz. [HC]

*Pyrola secunda* L. var. *secunda* [HC]

FNA8: "Plants in open, alpine and arctic habitats often have leaf blades orbiculate to orbiculate-ovate, 10-20 mm, apices obtuse, anthers ca. 1 mm, and styles 3-4.5 mm, and have been called *Orthilia secunda* subsp. *obtusata*. E. Haber (1972) concluded that these characters vary too freely among populations to warrant distinction."

***Phyllodoce* [FNA8, HC, HC2]**

Parad. Lond. 1: plate 36. 1806.

mountain-heath

***Phyllodoce empetriformis* (Sm.) D. Don [FNA8, HC, HC2]**

Edinburgh New Philos. J. 17: 160. 1834.

pink mountain-heath, pink mountain-heather

*Menziesia empetriformis* Sm.

FNA8: "Hybrids between *Phyllodoce empetriformis* and *P. glanduliflora* are encountered occasionally where the two species occur together. The hybrids, *P. xintermedia* (Hooker) Rydberg, consisting largely of first-generation crosses (F1 progeny), have a decidedly intermediate floral morphology, combining glandular, mostly nonciliate sepals more than 3 mm long and pinkish, cylindric to ovoid corollas."

***Phyllodoce glanduliflora* (Hook.) Coville [FNA8, HC, HC2]**

Mazama. 1: 196. 1897.

yellow mountain-heath, yellow mountain-heather

*Menziesia glanduliflora* Hook.

*Phyllodoce aleutica* (Spreng.) A. Heller ssp. *glanduliflora* (Hook.) Hultén

FNA8: "Phyllodoce glanduliflora hybridizes with *P. aleutica* and with *P. empetriformis*."

***Phyllodoce xintermedia* (Hook.) Rydb. [FNA8, HC, HC2]**

New Fl. & Silva 12: 210. 1940.  
hybrid mountain-heath, hybrid mountain-heather

*Phyllodoce hybrida* Rydb.

FNA8: "Hybrids between *Phyllodoce empetriflora* and *P. glanduliflora* are encountered occasionally where the two species occur together. The hybrids, *P. xintermedia* (Hooker) Rydberg, consisting largely of first-generation crosses (F1 progeny), have a decidedly intermediate floral morphology, combining glandular, mostly nonciliate sepals more than 3 mm long and pinkish, cylindric to ovoid corollas."

***Pityopus* [FNA8, HC, HC2]**

N. Amer. Fl. 29: 16. 1914.  
pine-foot, pityopus

***Pityopus californicus* (Eastw.) H.F. Copel. [FNA8, HC2]**

Madroño. 3: 155. 1935.  
California pinefoot

*Monotropa californica* Eastw.

*Pityopus californicus* (Eastw.) H.F. Copel. [HC], orthographic variant

*Pityopus oreganus* Small

Rare, possibly extirpated.

***Pleuricospora* [FNA8, HC, HC2]**

Proc. Amer. Acad. Arts. 7: 369. 1868.  
fringed-pinesap, Sierra-sap

***Pleuricospora fimbriolata* A. Gray [FNA8, HC, HC2]**

Proc. Amer. Acad. Arts. 7: 369. 1868.  
fringed pinesap

*Pleuricospora densa* Small

*Pleuricospora longipetala* Howell

***Pterospora* [FNA8, HC, HC2]**

Gen. N. Amer. Pl. 1: 269. 1818.  
Albany-beechdrops, pinedrops

***Pterospora andromedea* Nutt. [FNA8, HC, HC2]**

Gen. N. Amer. Pl. 1: 269. 1818.  
woodland pinedrops

***Pyrola* [FNA8, HC, HC2]**

Sp. Pl. 1: 396. 1753; Gen. Pl. ed. 5, 188. 1754.  
pyrola, shinleaf, wintergreen  
(see also *Moneses*, *Orthilia*)

***Pyrola aphylla* Sm. [HC, HC2]**

Cycl. [A. Rees], (London ed.) 29: no. 7. 1814.  
leafless wintergreen

***Pyrola asarifolia* Michx. [FNA8, HC, HC2]**

Fl. Bor.-Amer. 1: 251. 1803.  
common pink wintergreen, liver-leaf wintergreen

***ssp. asarifolia* [FNA8, HC2]**

Fl. Bor.-Amer. 1: 251. 1803.  
pink pyrola, common pink wintergreen, liver-leaf wintergreen

*Pyrola asarifolia* Michx. var. *asarifolia* [HC]

*Pyrola asarifolia* Michx. var. *purpurea* (Bunge) Fernald [HC]

*Pyrola californica* Krísa

*Pyrola elata* Nutt.

*Pyrola uliginosa* Torr. & A. Gray

FNA8: "Regional variation in *Pyrola asarifolia* in North America was examined by E. Haber (1983) using morphological and flavonoid data. Despite finding some longitudinal geographic differentiation, he concluded that most earlier-recognized segregates of the *P. asarifolia* complex were best included within a single, polymorphic species, with the large-bracted, denticulate-leaved, Pacific Northwest and northern Rocky Mountains element (subsp. *bracteata*) distinguishable from the relatively short-bracted, crenate-leaved, transcontinental element (subsp. *asarifolia*). Included within his concept of the latter subspecies were Asian plants referred to *P. incarnata* (de Candolle) Freyn. A more comprehensive study of the Asian element (Haber and Hiroshi Takahashi 1988) led to the conclusion that this vicariad was sufficiently distinct to warrant recognition as *P. asarifolia* subsp. *incarnata* (de Candolle) Haber & Hir. Takahashi; it is distinguished from the North American subspecies by its narrower sepals. Takahashi (1993) found differences also in the seeds of the two subspecies."

***ssp. bracteata* (Hook.) Haber [FNA8, HC2]**

Syst. Bot. 8: 298. 1983.

pink pyrola

*Pyrola asarifolia* Michx. var. *bracteata* (Hook.) Jeps.

*Pyrola bracteata* Hook.

FNA8: "Regional variation in *Pyrola asarifolia* in North America was examined by E. Haber (1983) using morphological and flavonoid data. Despite finding some longitudinal geographic differentiation, he concluded that most earlier-recognized segregates of the *P. asarifolia* complex were best included within a single, polymorphic species, with the large-bracted, denticulate-leaved, Pacific Northwest and northern Rocky Mountains element (subsp. *bracteata*) distinguishable from the relatively short-bracted, crenate-leaved, transcontinental element (subsp. *asarifolia*). Included within his concept of the latter subspecies were Asian plants referred to *P. incarnata* (de Candolle) Freyn. A more comprehensive study of the Asian element (Haber and Hiroshi Takahashi 1988) led to the conclusion that this vicariad was sufficiently distinct to warrant recognition as *P. asarifolia* subsp. *incarnata* (de Candolle) Haber & Hir. Takahashi; it is distinguished from the North American subspecies by its narrower sepals. Takahashi (1993) found differences also in the seeds of the two subspecies."

***Pyrola chlorantha* Sw. [FNA8, HC, HC2]**

Kongl. Svenska Vetensk. Akad. Nya Handl. 31: 190, plate 5. 1810.

green-flower wintergreen

*Pyrola oxypetala* Aust. ex A. Gray

*Pyrola virens* Schweigg.

*Pyrola virens* Schweigg. var. *convoluta* (W.P.C. Barton) Fernald

FNA8: "E. Haber (1993) interpreted some herbarium specimens with intermediate morphologies and abnormal pollen as putative hybrids between *Pyrola chlorantha* and *P. minor*, and between *P. chlorantha* and *P. picta*. Leafless forms of *P. chlorantha* can be distinguished reliably from those of *P. picta* by the size and shape of the calyx lobes."

***Pyrola dentata* Sm. [HC, HC2]**

Cycl. [A. Rees], (London ed.) 29: Pyrola #6. 1814.

tooth-leaf pyrola

*Pyrola dentata* Sm. var. *integra* A. Gray

*Pyrola picta* Sm. ssp. *dentata* (Sm.) Piper

*Pyrola picta* Sm. ssp. *integra* (A. Gray) Piper

*Pyrola picta* Sm. var. *dentata* (Sm.) Dorn

***Pyrola elliptica* Nutt. [FNA8, HC, HC2]**

Gen. N. Amer. Pl. 1: 273. 1818.

white wintergreen

***Pyrola minor* L. [FNA8, HC, HC2]**

Sp. Pl. 1: 396. 1753.

lesser wintergreen, snowline wintergreen

*Pyrola conferta* Fisch. ex Cham. & Schlecht.

*Pyrola minor* L. var. *parviflora* B. Boivin

FNA8: "Pyrola minor and *P. asarifolia* are broadly sympatric in North America. Scattered hybrids between

these species have been reported, mostly from the area of sympatry (E. Haber 1984). Haber (1993) found herbarium evidence for at least one case of hybridization between *P. minor* and *P. chlorantha*. T. W. Böcher (1961) discussed hybrids between *P. minor* and *P. grandiflora* from western Greenland. The straight style and actinomorphic corolla of *Pyrola minor* have been interpreted as paedomorphic conditions (J. V. Freudenstein 1999b). Among three northern European species of *Pyrola* studied by J. T. Knudsen and J. M. Olesen (1993), the shifts in floral morphology in *P. minor* were found to be associated with a significantly higher capacity for self-pollination."

***Pyrola picta* Sm. [FNA8, HC, HC2]**

Cycl. 29: Pyrola no. 8. 1814.

white-vein wintergreen

*Pyrola conardiana* Andres

*Pyrola paradoxa* Andres

*Pyrola septentrionalis* Andres

FNA8: "E. Haber (1987) concluded that *Pyrola picta*, *P. aphylla*, and *P. dentata* are morphotypes of a single, highly variable species, a finding consistent with seed morphology data compiled by Hiroshi Takahashi (1993). Leafless scapes frequently are found attached to rhizomes bearing leafy shoots (W. H. Camp 1940; Haber 1987). Putative hybrids between *P. picta* and *P. chlorantha* have been reported at three locations in the western United States (Haber 1993). Cladistic analyses of molecular and morphologic data suggest that *P. picta* is sister to *P. chlorantha* (J. V. Freudenstein 1999b), which also occasionally is leafless."

***Rhododendron* [FNA8, HC, HC2]**

Sp. Pl. 1: 392. 1753; Gen. Pl. ed. 5, 185. 1754.

azalea, Labrador-tea, menziesia, rhododendron

*Ledum* [HC]

*Menziesia* [FNA8, HC]

***Rhododendron albiflorum* Hook. [FNA8, HC, HC2]**

Fl. Bor.-Amer. 2: 43, plate 133. 1834.

white rhododendron

*Azaleastrum albiflorum* (Hook.) Rydb.

*Rhododendron albiflorum* Hook. var. *warrenii* (A. Nelson) M.A. Lane

FNA8: "Rhododendron albiflorum is especially distinctive due to its axillary, white, somewhat pendulous, and nearly actinomorphic flowers, and it is placed in the monotypic subg. *Candidastrum* (Sleumer) Philipson & Philipson (W. R. Philipson and M. N. Philipson 1986). It is occasionally used as an ornamental. The disjunct population in Colorado has somewhat smaller calyx lobes and corollas and shorter stamens; it is sometimes recognized as var. *warrenii* (M. A. Lane et al. 1993). This variety is not recognized here because of the extent of morphological overlap between that population and those of the Pacific Northwest."

***Rhododendron columbianum* (Piper) Harmaja [FNA8, HC2]**

Ann. Bot. Fenn. 27: 203. 1990.

mountain Labrador-tea, smooth Labrador-tea, western Labrador-tea

*Ledum columbianum* Piper

*Ledum glandulosum* Nutt. ssp. *australe* C.L. Hitchc.

*Ledum glandulosum* Nutt. ssp. *columbianum* (Piper) C.L. Hitchc.

*Ledum glandulosum* Nutt. ssp. *olivaceum* C.L. Hitchc.

*Ledum glandulosum* Nutt. var. *columbianum* (Piper) C.L. Hitchc. [HC]

FNA8: "Rhododendron groenlandicum, *R. columbianum*, and *R. tomentosum* customarily have been placed in the genus *Ledum*. *Ledum* is here considered to be a subsection of *Rhododendron* subg. *Rhododendron* (as subsect. *Ledum*), a placement supported by the presence in these species of comparable complex, multicellular, glandular, peltate scales and phylogenetic analyses of morphological and molecular data. The glandular scales of species of subsect. *Ledum* lack the radiating, broad-rimmed fringe-cells found in some members of subg. *Rhododendron* (and characteristic of *R. minus* and *R. lapponicum*) but are essentially identical to those of species of subsect. *Edgeworthia*, e.g., *R. pendulum* (see K. A. Kron and W. S. Judd 1990). More than 500 species of subg. *Rhododendron* occur in tropical and

temperate eastern Asia (J. Cullen 1980; D. F. Chamberlain et al. 1996)."

***Rhododendron groenlandicum* (Oeder) Kron & Judd [FNA8, HC2]**

Syst. Bot. 15: 67. 1990.

bog Labrador-tea, rusty Labrador-tea

*Ledum groenlandicum* Oeder [HC]

FNA8: "Rhododendron groenlandicum, *R. columbianum*, and *R. tomentosum* customarily have been placed in the genus *Ledum*. *Ledum* is here considered to be a subsection of *Rhododendron* subg. *Rhododendron* (as subsect. *Ledum*), a placement supported by the presence in these species of comparable complex, multicellular, glandular, peltate scales and phylogenetic analyses of morphological and molecular data. The glandular scales of species of subsect. *Ledum* lack the radiating, broad-rimmed fringe-cells found in some members of subg. *Rhododendron* (and characteristic of *R. minus* and *R. lapponicum*) but are essentially identical to those of species of subsect. *Edgeworthia*, e.g., *R. pendulum* (see K. A. Kron and W. S. Judd 1990). More than 500 species of subg. *Rhododendron* occur in tropical and temperate eastern Asia (J. Cullen 1980; D. F. Chamberlain et al. 1996)."

***Rhododendron macrophyllum* D. Don ex G. Don [FNA8, HC, HC2]**

Gen. Hist. 3: 843. 1834.

California rhododendron, Pacific rhododendron

*Rhododendron californicum* Hook.

FNA8: "Rhododendron macrophyllum, *R. maximum*, and *R. catawbiense* represent subg. *Hymenanthes* (Blume) K. Koch in North America; the subgenus is represented by hundreds of species in temperate eastern Asia and is characterized by its branched, eglandular hairs (D. F. Chamberlain 1982). These showy plants are frequently used as ornamentals."

***Rhododendron menziesii* Craven [HC2]**

Blumea 56(1): 34. (16 Mar 2011). 2011.

false azalea, fool's huckleberry, rusty menziesia

*Menziesia ferruginea* Sm. [FNA8, HC]

*Menziesia ferruginea* Sm. ssp. *ferruginea*

*Menziesia ferruginea* Sm. ssp. *glabella* (A. Gray) Calder & Roy L. Taylor

*Menziesia ferruginea* Sm. var. *ferruginea* [HC]

*Menziesia ferruginea* Sm. var. *glabella* (A. Gray) M. Peck [HC]

*Menziesia glabella* A. Gray

FNA8 (for *Menziesia ferruginea*): Two infraspecific taxa have been recognized and are still in use in some floras. Neither chemical (B. A. Bohm et al. 1984) nor morphological (J. C. Hickman and M. P. Johnson 1969) analyses have unequivocally supported the recognition of these infraspecific taxa. Character differences between var. *ferruginea* of coastal areas and the Cascade Mountains and var. *glabella* of the Rocky Mountains are most noticeable between specimens from the extremes of their ranges. Heterogeneity in character states is seen throughout the geographic range of *Menziesia ferruginea* and intermediate specimens are noticeable, particularly in the more southerly Cascade portion of the range."

***Rhododendron occidentale* (Torr. & A. Gray) A. Gray [FNA8, HC, HC2]**

Bot. California. 1: 458. 1876.

western azalea

***Vaccinium* [FNA8, HC, HC2]**

Sp. Pl. 1: 349. 1753; Gen. Pl. ed. 5, 166. 1754.

bilberry, blueberry, cranberry, huckleberry

***Vaccinium cespitosum* Michx. [HC2]**

Fl. Bor.-Amer. (Michaux) 1: 234. 1803.

dwarf bilberry, dwarf huckleberry

*Vaccinium arbuscula* (A. Gray) Merriam

*Vaccinium caespitosum* Michx. [FNA8, HC], orthographic variant

*Vaccinium caespitosum* Michx. var. *angustifolium* A. Gray

*Vaccinium caespitosum* Michx. var. *arbusculum* A. Gray

*Vaccinium caespitosum* Michx. var. *caespitosum* [KZ99]

*Vaccinium caespitosum* Michx. var. *cuneifolium* Nutt.  
*Vaccinium caespitosum* Michx. var. *paludicola* (Camp) Hultén [KZ99]  
*Vaccinium geminiflorum* Kunth  
*Vaccinium nivictum* Camp  
*Vaccinium paludicola* Camp

\****Vaccinium corymbosum* L. [FNA8, HC2]**

Sp. Pl. 1: 350. 1753.  
high-bush blueberry

*Cyanococcus amoenus* (Aiton) Small  
*Cyanococcus atrococcus* (A. Gray) Small  
*Cyanococcus corymbosus* (L.) Rydb.  
*Vaccinium amoenum* Aiton

FNA8: "Every morphological variant of the high-bush blueberry has been named formally at one time or another. At least 25 such taxa have been raised to specific rank; none is distinct throughout its putative range nor has the properties normally associated with biological species, including *Vaccinium atrococcum* and *V. elliottii*. See S. P. Vander Kloet (1980) for a complete list of synonyms. Feral populations readily become established wherever cultivars have been planted, e.g., Britain, British Columbia, Japan, Missouri, The Netherlands, New Zealand, Washington, and Wisconsin."

***Vaccinium deliciosum* Piper [FNA8, HC, HC2]**

Mazama. 2: 103. 1901.  
Cascade blueberry, Rainier blueberry, blueleaf huckleberry

FNA8: "Vaccinium deliciosum produces especially flavorful berries. Research at the University of Idaho and Washington State University identified 31 aromatic flavor compounds in the fruits. Despite its outstanding flavor and large fruit size, it is harvested less than is *V. membranaceum* because it has a smaller range and is less abundant there than its black-fruited congener. Also, like *V. membranaceum*, *V. deliciosum* is native at higher elevations and can be difficult to grow at low elevations. Although rhizomatous, *V. deliciosum* has a dense root system and transplants easily."

\****Vaccinium macrocarpon* Aiton [FNA8, HC, HC2]**

Hort. Kew. 2: 13, plate 7. 1789.  
cultivated cranberry, large cranberry

*Oxycoccus macrocarpus* (Aiton) Pers., invalid name

FNA8: "Vaccinium macrocarpon is introduced and escaping elsewhere (British Columbia, Oregon, Washington) with respect to its normal range in eastern North America."

***Vaccinium membranaceum* Douglas ex Torr. [FNA8, HC, HC2]**

U.S. Expl. Exped. 17: 377. 1874.  
square-twig blueberry, tall huckleberry, thin-leaved huckleberry

*Vaccinium coccineum* Piper  
*Vaccinium globulare* Rydb. [HC]  
*Vaccinium macrophyllum* Piper  
*Vaccinium membranaceum* Douglas ex Torr. var. *rigidum* (Hook.) Fernald

FNA8: "Vaccinium membranaceum is, by far, the most widely commercially utilized western huckleberry for fruit and is harvested extensively from the wild. This species served as an especially important source of food for native peoples throughout western North America, and the dried berries were used for winter food and trade."

***Vaccinium myrtilloides* Michx. [FNA8, HC2]**

Fl. Bor.-Amer. 1: 234. 1803.  
velvet-leaf blueberry

*Cyanococcus canadensis* (Kalm ex Richardson) Rydb.  
*Vaccinium angustifolium* Aiton var. *myrtilloides* (Michx.) House  
*Vaccinium canadense* Kalm ex Richardson

This species is not reported for WA in either FNA or Flora of the Pacific Northwest, 2nd edition. Specimens assigned to this name in Washington require further examination.

***Vaccinium myrtillus* L. [FNA8, HC, HC2]**

Sp. Pl. 1: 349. 1753.

dwarf blueberry, low blueberry

*Vaccinium myrtillus* L. ssp. *oreophilum* (Rydb.) Å. Löve, D. Löve & B.M. Kapoor

*Vaccinium myrtillus* L. var. *oreophilum* (Rydb.) Dorn [KZ99]

*Vaccinium oreophilum* Rydb.

FNA8: "Vaccinium myrtillus fruits are popular in Europe and are known to possess antioxidants and other compounds beneficial to vascular health. Berries in Europe are extensively harvested from wild stands. In North America, the fruits were used by the Kootenai, Carrier, Shuswap, and other native tribes. The small plant and fruit sizes create challenges for commercialization in North America."

***Vaccinium ovalifolium* Sm. [FNA8, HC, HC2]**

Cycl. 36: *Vaccinium* no. 2. 1817.

Alaska blueberry, oval-leaf blueberry

*Vaccinium alaskaense* Howell [HC]

***Vaccinium ovatum* Pursh [FNA8, HC, HC2]**

Fl. Amer. Sept. 1: 290. 1813.

evergreen huckleberry

*Vaccinium ovatum* Pursh var. *saporosum* Jeps.

***Vaccinium oxycoccus* L. [FNA8, HC, HC2]**

Sp. Pl. 1: 351. 1753.

small cranberry

*Oxycoccus hagerupii* Å. Löve & D. Löve

*Oxycoccus intermedius* (A. Gray) Rydb.

*Oxycoccus microcarpus* Turczaninov ex Rupr.

*Oxycoccus oxycoccus* (L.) Adolphi

*Oxycoccus oxycoccus* (L.) MacMill.

*Vaccinium microcarpum* (Turczaninov ex Rupr.) Schmalhausen

*Vaccinium oxycoccus* L. ssp. *microphyllum* (Lange) Feilberg

*Vaccinium oxycoccus* L. var. *intermedium* A. Gray

*Vaccinium oxycoccus* L. var. *microphyllum* (Lange) J. Rouss. & Raymond

*Vaccinium oxycoccus* L. var. *ovalifolium* Michx.

FNA8: "Vaccinium oxycoccus is interruptedly circumboreal (absent from the Canadian Arctic Archipelago, including Baffin Island) extending southward in North America to California in the Cascade Range and to West Virginia in the Appalachian Mountains. In Europe, some chromosome races of *Vaccinium oxycoccus* have been given specific rank (S. P. Vander Kloet 1983) at one time or another; unfortunately, hexaploids cannot be differentiated consistently from diploids or tetraploids using morphological features such as leaf indumentum or bract size. On most vines, especially north of 50° north latitude, the leafy portion of the fertile shoot fails to develop, giving the illusion that *Vaccinium oxycoccus* has an inflorescence comprising a short rachis bearing flowers on a slender pedicel."

***Vaccinium parvifolium* Sm. [FNA8, HC, HC2]**

Cycl. 36: *Vaccinium* no. 3. 1817.

red huckleberry

FNA8: "The red, waxy fruits of *Vaccinium parvifolium* were popular with all coastal Indian tribes and remain so with recreational pickers. The berries are somewhat sour but make excellent pastries and preserves. Commercial use of *V. parvifolium* is limited; vigorous growth, ease of harvest, and site adaptability provide opportunities."

***Vaccinium scoparium* Leiberg ex Coville [FNA8, HC, HC2]**

Contr. U.S. Natl. Herb. 5: 103. 1897.

grouseberry

*Vaccinium erythrococcum* Rydb.

*Vaccinium myrtillus* L. var. *microphyllum* Hook.

FNA8: "The soft, tart, bright red berries of *Vaccinium scoparium*, to 6 mm diameter, have fair to good flavor

and were gathered and eaten raw by the Kootenay, Okanogan, Shuswap, and other Indian tribes. Harvesting was probably done using wooden or fish-bone combs. Small fruit size, low yields, and difficult harvesting make commercial prospects for *V. scoparium* questionable."

***Vaccinium uliginosum* L. [FNA8, HC, HC2]**

Sp. Pl. 1: 350. 1753.

bog bilberry, bog blueberry

*Vaccinium gaultherioides* Bigelow

*Vaccinium occidentale* A. Gray [HC]

*Vaccinium uliginosum* L. ssp. *alpinum* (Bigelow) Hultén

*Vaccinium uliginosum* L. ssp. *microphyllum* Lange

*Vaccinium uliginosum* L. ssp. *occidentale* (A. Gray) Hultén

*Vaccinium uliginosum* L. ssp. *pedris* (Harshberger) S.B. Young

*Vaccinium uliginosum* L. ssp. *pubescens* (Wormsk. ex Horneman) S.B. Young

*Vaccinium uliginosum* L. var. *salicinum* (Cham.) Hultén

***Vaccinium vitis-idaea* L. [FNA8, HC2]**

Sp. Pl. 1: 351. 1753.

lingonberry

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**Monotropaceae:** see Ericaceae

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**Pyrolaceae:** see Ericaceae