

# Washington Flora Checklist

## A checklist of the Vascular Plants of Washington State Hosted by the University of Washington Herbarium

### Family: Orobanchaceae

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

The Washington Flora Checklist aims to be a complete list of the native and naturalized vascular plants of Washington State, 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superceded by new information.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.

Created from the Washington Flora Checklist database on November 26th, 2024 at 5:32pm PT.

Available online at <https://burkeherbarium.org/waflora-new/>

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## Dicots:

### Orobanchaceae [HC, HC2] Broom-Rape Family

Castilleja, Cordylanthus, Orthocarpus, and Triphysaria edited and annotated by Mark Egger (m.egger@comcast.net). For the genus Castilleja, only basionyms and synonyms based on material collected in WA and/or historically treated as occurring in WA in the literature are included in the present synonymy.

*\*Agalinis paupercula* (A. Gray) Britton [WTU]

Ill. Fl. N. U.S. (Britton & Brown), ed. 2. 3: 210, fig. 3823 1913.  
small-flower false foxglove

**Aphyllon** [HC2]

broomrape

***Aphyllon californicum*** (Cham. & Schltld.) A. Gray [HC2]

Bot. California [W.H.Brewer] i. 584. 1876.  
California broomrape

*Myzorrhiza californica* (Cham. & Schltld.) Rydb.  
*Orobanche californica* Cham. & Schltld. [HC]

**ssp. *californicum*** [HC2]

Bot. California 1: 584. 1876.  
California broomrape

*Orobanche californica* Cham. & Schltld. ssp. *californica* [JPM]  
*Orobanche californica* Cham. & Schlecht. var. *californica* [HC]

**ssp. *grayanum*** (Beck) A.C. Schneid. [HC2]

PhytoKeys 75: 113. 2016.  
Gray's California broomrape

*Orobanche californica* Cham. & Schltld. ssp. *grayana* (Beck) Heckard [JPM]  
*Orobanche californica* Cham. & Schltld. var. *grayana* (Beck) Cronquist [HC]  
*Orobanche grayana* Beck  
*Orobanche grayana* G. Beck var. *grayana* [JPM]

***Aphyllon corymbosum*** (Rydb.) A.C. Schneid. [HC2]

PhytoKeys 75: 113. 2016.  
flat-topped broomrape

*Myzorrhiza corymbosa* Rydb.  
*Orobanche corymbosa* (Rydb.) Ferris [HC, JPM]

**ssp. *corymbosum*** [HC2]

PhytoKeys 75: 114. 2016.  
flat-topped broomrape

*Orobanche californica* Cham. & Schltld. var. *corymbosa* (Rydb.) Munz [JPM]  
*Orobanche corymbosa* (Rydb.) Ferris ssp. *corymbosa*

**ssp. *mutabile*** (Heckard) A.C. Schneid. [HC2]

PhytoKeys 75: 114. 2016.  
flat-topped broomrape

*Orobanche corymbosa* (Rydb.) Ferris ssp. *mutabilis* Heckard [HC, KZ99, VPBC2]

***Aphyllon fasciculatum*** (Nutt.) Torr. & A. Gray [HC2]

Manual (Gray), ed. 2. 281. 1856.  
clustered broomrape

*Anoplanthus fasciculatus* (Nutt.) Walp.  
*Orobanche fasciculata* Nutt. [HC, JPM]

*Orobanche fasciculata* Nutt. var. *fasciculata* [VPBC2]  
*Orobanche fasciculata* Nutt. var. *lutea* (Parry) Achey [JPM]  
*Orobanche fasciculata* Nutt. var. *subulata* Goodman  
*Orobanche fasciculata* Nutt. var. *typica* Achey  
*Thalesia fasciculata* (Nutt.) Britton  
*Thalesia lutea* (Parry) Rydb.

***Aphyllon franciscanum*** (Achey) A.C. Schneid.

Systematic Botany 46(2): pp. 446-455. 2021.  
clustered broomrape

*Orobanche fasciculata* Nutt. var. *franciscana* Achey [JPM]

Close in appearance to *A. fasciculatum*.

***Aphyllon ludovicianum*** (Nutt.) A. Gray [HC2]

Bot. California [W.H. Brewer] 1. 585. 1876.  
Louisiana broomrape, Suksdorf's broomrape

*Aphyllon arenosum* Suksd.  
*Conopholis ludoviciana* (Nutt.) Alph. Wood  
*Myzorrhiza ludoviciana* (Nutt.) Rydb.  
*Orobanche ludoviciana* Nutt. [HC]  
*Orobanche ludoviciana* Nutt. ssp. *ludoviciana* [IFBC]  
*Orobanche ludoviciana* Nutt. var. *arenosa* (Suksd.) Cronquist  
*Orobanche ludoviciana* Nutt. var. *genuina* Beck  
*Orobanche multiflora* Nutt. var. *arenosa* (Suksd.) Munz

***Aphyllon pinorum*** (Geyer ex Hook.) A. Gray [HC2]

Bot. California 1: 585. 1876.  
pine broomrape, pinewoods broomrape

*Myzorrhiza pinorum* (Geyer ex Hook.) Rydb.  
*Orobanche pinorum* Geyer ex Hook. [HC, JPM]  
*Phelipaea pinorum* (Geyer ex Hook.) A. Gray

***Aphyllon purpureum*** (A. Heller) Holub [HC2]

Preslia 70(2): 100. 1998.

*Orobanche porphyrantha* Beck  
*Orobanche sedii* (Suksd.) Fernald  
*Orobanche uniflora* L. [HC, IFBC]  
*Orobanche uniflora* L. ssp. *occidentalis* (Greene) Abrams ex Ferris [JPM]  
*Orobanche uniflora* L. var. *minuta* (Suksd.) Beck [HC, JPM]  
*Orobanche uniflora* L. var. *occidentalis* (Greene) Roy L. Taylor & MacBryde [VPBC2, JPM]  
*Orobanche uniflora* L. var. *purpurea* (A. Heller) Achey [HC, VPBC2]  
*Orobanche uniflora* L. var. *sedii* (Suksd.) Achey [JPM]

\****Bellardia*** [HC2]

bellardia, glandweed

\****Bellardia viscosa*** (L.) Fisch. & C.A. Mey. [Draft FNA, HC2]

Index Seminum [St. Petersburg] 2: 4. 1836.  
yellow glandweed

*Parentucellia viscosa* (L.) Caruel [HC]

***Castilleja*** [HC, HC2]

Indian-paintbrush, owl-clover

***Castilleja ambigua*** Hook. & Arn. [HC2]

Bot. Beechey Voy. 154-155. 1833.  
paintbrush owl-clover

**var. *ambigua*** [HC2]

salt-marsh paintbrush

*Castilleja ambigua* Hook. & Arn. ssp. *ambigua* [IFBC, JPM2]  
*Orthocarpus castillejooides* Benth. [HC, VPPNW4]

***Castilleja attenuata*** (A. Gray) T.I. Chuang & Heckard [HC2, JPM]

Systematic Botany 16(4): 656. 1991.  
attenuate paintbrush, valley-tassels

*Orthocarpus attenuatus* A. Gray [HC, VPPNW4]

***Castilleja cervina*** Greenm. [HC, HC2]

Botanical Gazette 25(4): 269. 1898.  
deer paintbrush

***Castilleja chambersii*** M. Egger & Meinke [HC2]

Brittonia 51(4): 445-450, f. 1. 1999.  
Chambers's Indian paintbrush

Recently (2015) collected in southwestern Washington.

***Castilleja cryptantha*** Pennell & G.N. Jones [HC, HC2]

Proc. Biol. Soc. Wash. 50(56): 208-209. 1937.  
obscure paintbrush

Endemic to subalpine meadows in and immediately adjacent to Mt. Rainier National Park.

***Castilleja cusickii*** Greenm. [HC, HC2]

Botanical Gazette 25(4): 267-268. 1898.  
Cusick's paintbrush

*Castilleja camporum* (Greenm.) Howell

*Castilleja lutea* A. Heller

*Castilleja pallida* (L.) Spreng. var. *camporum* Greenm.

*Castilleja pannosa* Eastw.

***Castilleja elmeri*** Fernald [HC, HC2]

Erythea 6(5): 51. 1898.  
Elmer's paintbrush

*Castilleja angustifolia* (Nutt.) G. Don var. *whitedii* Piper

Listings by various authors (e.g. KZ) of *C. sulphurea* Rydb. for WA are attributable to yellow forms of *C. elmeri*; there is no convincing evidence that *C. sulphurea*, which is primarily a Rocky Mountain species, occurs in WA.

***Castilleja hispida*** Benth. [HC, HC2]

Fl. Bor.-Amer. (Hooker) 2(9): 105. 1838.  
harsh paintbrush

**var. *acuta*** (Pennell) Ownbey [HC, HC2]

Vasc. Pl. Pacific NW 4: 309. 1959.  
acute paintbrush, harsh paintbrush

*Castilleja hispida* Benth. ssp. *acuta* Pennell

*Castilleja taedifera* Pennell

**var. *hispida*** [HC, HC2]

Fl. Bor.-Amer. 2: 105. 1838.  
harsh paintbrush

*Castilleja angustifolia* (Nutt.) G. Don var. *abbreviata* Fern.

*Castilleja angustifolia* (Nutt.) G. Don var. *hispida* (Benth.) Fernald

*Castilleja hispida* Benth. ssp. *abbreviata* (Fernald) Pennell

***Castilleja levisecta*** Greenm. [HC, HC2]

Botanical Gazette 25(4): 268-269. 1898.  
golden paintbrush

***Castilleja litoralis*** Pennell [HC, HC2]

Proc. Acad. Nat. Sci. Philadelphia 99: 183. 1947.

coast paintbrush, Pacific paintbrush

*Castilleja affinis* Hook. & Arn. ssp. *litoralis* (Pennell) T.I. Chuang & Heckard

***Castilleja lutescens*** (Greenm.) Rydb. [HC, HC2]

Mem. New York Bot. Gard. 1: 359. 1900.

yellow paintbrush

*Castilleja pallida* (L.) Spreng. var. *lutescens* Greenm.

***Castilleja miniata*** Douglas ex Hook. [HC, HC2]

Fl. Bor.-Amer. (Hooker) 2(9): 106. 1838.

common paintbrush, scarlet paintbrush

**var. *dixonii*** (Fernald) A. Nelson & J.F. Macbr. [HC, HC2]

Bot. Gaz. 65(1): 70. 1918.

Dixon's paintbrush

*Castilleja dixonii* Fernald

*Castilleja miniata* Douglas ex Hook. ssp. *dixonii* (Fernald) Kartesz

**var. *miniata*** [HC, HC2]

Fl. Bor.-Amer. 2: 106. 1838.

scarlet paintbrush

*Castilleja crispula* Piper

*Castilleja pallida* (L.) Spreng. var. *miniata* (Dougl. ex Hook.) A. Gray

***Castilleja minor*** (A. Gray) A. Gray [HC2, JPM]

Bot. California [W.H.Brewer] i. 573. 1876.

annual paintbrush

**var. *exilis*** (A. Gray) J.M. Egger [HC2]

Phytologia 90(1): 72-73. 2008.

seep paintbrush

*Castilleja exilis* A. Nelson [HC]

This taxon is treated as a synonym of *C. minor* ssp. *minor* in JPM, but recent field work indicates that it is best treated as a distinct variety of that species.

***Castilleja parviflora*** Bong. [HC, HC2]

Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 2: 158. 1832.

small-flowered paintbrush

**var. *albida*** (Pennell) Ownbey [HC, HC2]

Vasc. Pl. Pacif. N. W. [C.L. Hitchcock & al.] 4: 317. 1859.

mountain Indian paintbrush

*Castilleja oreopola* Greenm. ssp. *albida* Pennell

**var. *olympica*** (G.N. Jones) Ownbey [HC, HC2]

Vasc. Pl. Pacific NW 4: 317. 1959.

Olympic paintbrush

*Castilleja olympica* G.N. Jones

*Castilleja oreopola* Greenm. ssp. *olympica* (G.N. Jones) Pennell

**var. *oreopola*** (Greenm.) Ownbey [HC, HC2]

Vasc. Pl. Pacific NW 4: 317. 1959.

magenta paintbrush

*Castilleja miniata* Dougl. ex Hook var. *alpina* Suksd.

*Castilleja oreopola* Greenm.

***Castilleja rupicola*** Piper ex Fernald [HC, HC2]

Erythea 6(5): 45-46. 1898.

cliff paintbrush

***Castilleja suksdorfii*** A. Gray [HC, HC2]

Proceedings of the American Academy of Arts and Sciences 22(2): 311. 1887.  
Suksdorf's paintbrush

***Castilleja tenuis*** (A. Heller) T.I. Chuang & Heckard [HC2, JPM]

Syst. Bot. 16(4): 658. 1991.  
thin paintbrush

*Orthocarpus hispidus* Benth. [HC]

*Orthocarpus rarior* Suksd.

*Orthocarpus tenuis* Heller

*Triphysaria hispida* (Benth.) Rydb.

***Castilleja thompsonii*** Pennell [HC, HC2]

Proceedings of the American Academy of Arts and Sciences 99(7): 178-179. 1947.  
Thompson's paintbrush

*Castilleja villicaulis* Pennell & Ownbey

***Castilleja victoriae*** Fairbarns & J.M. Egger [HC2]

Madrono 54(4): 334-342. 2007.  
Victoria's paintbrush

***Cordylanthus*** [HC, HC2]

birdbeak

***Cordylanthus capitatus*** Nutt. ex Benth. [HC, HC2]

Prodr. 10: 597. 1846.  
Yakima bird's-beak

*C. ramosus* Nutt. ex Benth. has not been recorded in WA but should be looked for in sagebrush flats in SE corner of state.

***Euphrasia*** [HC, HC2]

euphrasia, eyebright

\****Euphrasia nemorosa*** (Pers.) Wallr. [HC2, IFBC]

Ann. Bot. (London) 82. 1815.  
common eyebright, hairy eyebright

*Euphrasia americana* Wetts.

*Euphrasia arctica* Lange ex Rostr. ssp. *borealis* (F. Towns.) Yeo

*Euphrasia canadensis* F. Towns., misapplied

*Euphrasia officinalis* L. [HC], misapplied

*Euphrasia pectinata* Ten., misapplied

*Euphrasia tatarica* Fisch. ex Spreng., misapplied

***Kopsiopsis*** [HC2]

ground-cone

***Kopsiopsis hookeri*** (Walp.) Govaerts [HC2, JPM2]

World Checkl. Seed Pl. 2(1): 14. 1996.  
small groundcone, Vancouver groundcone, poque

*Boschniakia hookeri* Walp. [HC]

***Melampyrum*** [HC, HC2]

cow-wheat

***Melampyrum lineare*** Desr. [Draft FNA, HC, HC2]

Sp. Pl. 2: 605. 1753.  
narrow-leaved cow-wheat

\****Odontites*** [HC2]

\****Odontites vulgaris*** Moench [Draft FNA, HC2]

red bartsia

*Odontites vernus* (Bellardi) Dumort., misapplied

*Odontites vulgaris* is sparingly established in the northeastern U.S. and eastern Canada, and may be rapidly spreading. A collection was made in 2015 along a bike trail in Bellingham, Whatcom County, Washington, where plants formed weedy patches in grassy areas along and near the trail.

\**Orobanche* [HC, HC2]

broomrape  
(see also *Aphyllon*)

\**Orobanche minor* Sm. [HC, HC2]

Engl. Bot. 6: pl. 422. 1797.  
hellroot

*Orobanche columbiana*

FNA17: "*Orobanche minor* has been documented most frequently parasitizing introduced clovers (mainly *Trifolium arvense* and *T. repens*), and collected rarely on *Crotalaria* (J. W. Thieret 1971) and *Vicia*. It also has been recorded, at least historically, on a variety of cultivated hosts in the region, including hemp, carrots (*Daucus carota*), tobacco, geraniums (*Pelargonium* spp.), and *Petunia* spp. Allegedly, the species is toxic to livestock (Thieret). The sole specimen from Idaho (J. A. Allen s.n., 1875, NY) lacks locality data; if the provenance is correct, the elevational range would be extended upward.

European authors have recognized a number of infrataxa and segregates; for example, F. J. Rumsey and S. L. Jury (1991) provisionally accepted four varieties of *Orobanche minor* as occurring in the British Isles. However, they noted that little is known about cytological and morphological variation within the complex. Thus, it seems inappropriate to apply an infraspecific classification to the North American plants.

A single historical specimen (J. C. Nelson 3337, 25 August 1920, GH) collected from ship's ballast in the Linnton area of Portland, Oregon, is an unusually stout plant with apparently pale corollas and filaments relatively densely pubescent toward their bases. This plant may represent a record of *Orobanche loricata* Reichenbach, a European species that parasitizes mainly *Picris* and other *Asteraceae*, and does not affect any crop plants. However, specimen condition precludes definitive determination, and the label does not list a host species. Other materials from Oregon have the typical morphology of *O. minor*."

*Orthocarpus* [HC, HC2]

owl-clover  
(see also *Castilleja*, *Triphysaria*)

*Orthocarpus barbatus* J.S. Cotton [HC, HC2]

Bull. Torrey Bot. Club 29(9): 574. 1902.  
Grand Coulee owl-clover

*Orthocarpus bracteosus* Benth. [HC, HC2]

Scroph. Ind. 13. 1835.  
rosy owl-clover

*Orthocarpus bracteosus* Benth. var. *albus* D.D. Keck

Listed as Threatened in WA; known in state from a single extant population, extirpated from several historic sites in WA.

*Orthocarpus imbricatus* Torr. ex S. Watson [HC, HC2]

Botany Fortieth Parallel 458. 1871.  
mountain owl-clover

*Orthocarpus luteus* Nutt. [HC, HC2]

Gen. N. Amer. Pl. 2: 57-58. 1818.  
golden-tongue owl-clover

*Orthocarpus tenuifolius* (Pursh) Benth. [HC, HC2]

Scroph. Ind. 12. 1835.  
narrow-leaved owl-clover, thin-leaved owl-clover

***Pedicularis*** [HC, HC2]

lousewort, pedicularis

***Pedicularis bracteosa*** Benth. [HC, HC2]

bracted lousewort

**var. *atrosanguinea*** (Pennell & J.W. Thomp.) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 356. 1959.

bracted lousewort

**var. *bracteosa*** [HC, HC2]

Fl. Bor.-Amer. 2: 110. 1838.

bracted lousewort

*Pedicularis montanensis* Rydb.

**var. *flavida*** (Pennell) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 356. 1959.

bracted lousewort

**var. *latifolia*** (Pennell) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 358. 1959.

bracted lousewort

*Pedicularis paddoensis* Pennell

*Pedicularis thompsonii* Pennell

**var. *pachyrhiza*** (Pennell) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 356. 1959.

bracted lousewort

Occurs in southeastern WA.

**var. *siifolia*** (Rydb.) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 356. 1959.

bracted lousewort

Specimen at WS from southeastern WA, though identification has not been confirmed by authors of this list or author of upcoming FNA treatment.

***Pedicularis contorta*** Benth. [HC, HC2]

Fl. Bor.-Amer. (Hooker) 2(pt. 9): 108. 1838.

white coiled-beak lousewort

**var. *contorta*** [HC, HC2]

Fl. Bor.-Amer. 2: 108. 1838.

white-coiled beak lousewort

***Pedicularis groenlandica*** Retz. [HC, HC2]

Fl. Scand. Prodr. (ed. 2) 145. 1795.

bull elephant's-head

*Elephantella groenlandica* (Retz.) Rydb.

*Pedicularis groenlandica* Retz. var. *surrecta* (Benth.) A. Gray

***Pedicularis ornithorhynchus*** Benth. [HC2]

Flora Boreali-Americana 2: 108. 1838.

duck's-bill, bird's-beak lousewort

*Pedicularis ornithorhyncha* Benth. [HC], orthographic variant

***Pedicularis pulchella*** Pennell [Draft FNA, HC, HC2, Montana Flora]

Notulae Naturae of the Academy of Natural Sciences of Philadelphia 95: 7?10, f. [p. 9 (right)]. 1942.

pretty lousewort

This population represents a significant disjunction of this narrowly endemic species from southwestern Montana.

***Pedicularis racemosa*** Douglas ex Benth. [HC, HC2]



leafy lousewort, sickletop lousewort

**var. *alba*** (Pennell) Cronquist [HC, HC2]

Vasc. Pl. Pacific NW 4: 363. 1959.

sickletop lousewort

*Pedicularis racemosa* Douglas ex Benth. ssp. *alba* Pennell [KZ99]

**var. *racemosa*** [HC, HC2]

Fl. Bor.-Amer. 2(9): 108. 1838.

sickletop lousewort

*Pedicularis racemosa* Douglas ex Benth. ssp. *racemosa* [KZ99]

***Pedicularis rainierensis*** Pennell & F.A. Warren [HC, HC2]

Bulletin of the Torrey Botanical Club 55(6): 317-318. 1928.

Mt. Rainier lousewort

Endemic to Mount Rainier.

***Rhinanthus*** [HC, HC2]

rattle-box, yellow rattle

***Rhinanthus minor*** L. [HC2, IFBC]

Amoen. Acad., Linnaeus ed. 3: 54. 1756.

little yellow rattle

*Alectorolophus minor* (L.) Wimm. & Grab.

*Rhinanthus crista-galli* L. [HC], misapplied

ssp. *groenlandicus* is native, ssp. *minor* is introduced from Europe.

**ssp. *groenlandicus*** (Chabert) Neum. [HC2]

\*ssp. *minor* [HC2]

***Triphysaria*** [HC2]

false owl-clover

***Triphysaria pusilla*** (Benth.) T.I. Chuang & Heckard [HC2, JPM]

Syst. Bot. 16(4): 661. 1991.

dwarf owl-clover

*Orthocarpus pusillus* Benth. [HC]