

Washington Flora Checklist

A checklist of the Vascular Plants of Washington State

Hosted by the University of Washington Herbarium

Family: Orobanchaceae

60 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.

Accepted names are indicated with blue font; synonyms with black font.
Native species and infraspecies are marked with **boldface** font.

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

Created from the Washington Flora Checklist Database on April 26th, 2024 at 1:07am PST.
Available online at <https://burkeherbarium.org/waflora/>

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Dicots:

Orobanchaceae [HC, HC2] Broom-Rape Family

Synonyms: (none)

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.

References: (none)

Aphyllon [HC2]

broomrape

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

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

California broomrape

Myzorrhiza californica (Cham. & Schltdl.) Rydb.

Orobanche californica Cham. & Schltdl. [HC]

ssp. *californicum* [HC2]

Bot. California 1: 584.

California broomrape

Orobanche californica Cham. & Schltdl. ssp. *californica* [JPM]

Orobanche californica Cham. & Schlecht. var. *californica* [HC]

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

PhytoKeys 75: 113.

Gray's California broomrape

Orobanche californica Cham. & Schltdl. ssp. *grayana* (Beck) Heckard [JPM]

Orobanche californica Cham. & Schltdl. 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.

flat-topped broomrape

Myzorrhiza corymbosa Rydb.

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

ssp. *corymbosum* [HC2]

PhytoKeys 75: 114.

flat-topped broomrape

Orobanche californica Cham. & Schltdl. var. *corymbosa* (Rydb.) Munz [JPM]

Orobanche corymbosa (Rydb.) Ferris ssp. *corymbosa*

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

PhytoKeys 75: 114.

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.

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.
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.
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.
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.

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.
yellow glandweed

Parentucellia viscosa (L.) Caruel [HC]

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

Indian-paintbrush, owl-clover

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

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

var. *ambigua* [HC2]

salt-marsh paintbrush

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

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

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

Orthocarpus attenuatus A. Gray [HC, VPPNW4]

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

Botanical Gazette 25(4): 269.
deer paintbrush

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

Brittonia 51(4): 445?450, f. 1.
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.
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.
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.
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.
harsh paintbrush

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

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

Castilleja hispida Benth. ssp. *acuta* Pennell

Castilleja taedifera Pennell

var. *hispida* [HC, HC2]

Fl. Bor.-Amer. 2: 105.
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.
golden paintbrush

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

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

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.

yellow paintbrush

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

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

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

common paintbrush, scarlet paintbrush

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

Bot. Gaz. 65(1): 70.

Dixon's paintbrush

Castilleja dixonii Fernald

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

var. *miniata* [HC, HC2]

Fl. Bor.-Amer. 2: 106.

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.

annual paintbrush

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

Phytologia 90(1): 72-73.

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.

small-flowered paintbrush

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

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

mountain Indian paintbrush

Castilleja oreopola Greenm. ssp. *albida* Pennell

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

Vasc. Pl. Pacific NW 4: 317.

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.

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.

cliff paintbrush

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

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

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

Syst. Bot. 16(4): 658.
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.
Thompson's paintbrush

Castilleja villicaulis Pennell & Ownbey

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

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

Cordylanthus [HC, HC2]

birdbeak

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

Prodr. 10: 597.

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.

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.

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.

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.

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.

Grand Coulee owl-clover

Orthocarpus bracteosus Benth. [HC, HC2]

Scroph. Ind. 13.

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.

mountain owl-clover

Orthocarpus luteus Nutt. [HC, HC2]

Gen. N. Amer. Pl. 2: 57-58.

golden-tongue owl-clover

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

Scroph. Ind. 12.

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.

bracted lousewort

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

Fl. Bor.-Amer. 2: 110.

bracted lousewort

Pedicularis montanensis Rydb.

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

Vasc. Pl. Pacific NW 4: 356.

bracted lousewort

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

Vasc. Pl. Pacific NW 4: 358.

bracted lousewort

Pedicularis paddoensis Pennell

Pedicularis thompsonii Pennell

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

Vasc. Pl. Pacific NW 4: 356.

bracted lousewort

Occurs in southeastern WA.

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

Vasc. Pl. Pacific NW 4: 356.

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.

white coiled-beak lousewort

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

Fl. Bor.-Amer. 2: 108.

white-coiled beak lousewort

Pedicularis groenlandica Retz. [HC, HC2]

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

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.

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)].

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.

sickletop lousewort

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

var. *racemosa* [HC, HC2]

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

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.

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.

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.

dwarf owl-clover

Orthocarpus pusillus Benth. [HC]