

# Washington Flora Checklist

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

### Family: Boraginaceae

84 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.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 November 21st, 2024 at 5:03am PST.  
Available online at <https://burkeherbarium.org/waflora/>

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# Dicots:

## Boraginaceae [Draft FNA, HC, HC2] Borage Family

**Synonyms:** (none)

Taxonomy follows recent molecular studies: Weigend, M., Federico Luebert, Marc Gottschling, Thomas L.P., Couvreur, Hartmut H. Hilger and James S. Miller. 2013. From capsules to nutlets? phylogenetic relationships in the Boraginales. *Cladistics* (2013) 17:11. Nazaire, M., and L. Hufford. 2012. A Broad Phylogenetic Analysis of Boraginaceae: Implications for the Relationships of *Mertensia*. *Systematic Botany* 37(3): pp. 758-783.

**References:** (none)

### ***Adelinia*** [HC2]

Adeline

#### ***Adelinia grandis*** (Douglas ex Lehm.) J.I. Cohen [HC2]

*Systematic Botany* 40(2): 617.

Adeline's hound's-tongue, Pacific hound's-tongue, grand hound

*Cynoglossum grande* Douglas ex Lehm. [HC]

### ***Amsinckia*** [HC, HC2]

amsinckia, fiddleneck, tarweed

#### ***Amsinckia intermedia*** Fisch. & C.A. Mey. [HC, HC2]

*Index Seminum* [St.Petersburg (Petropolitanus)] ii. 26.

fireweed fiddleneck, rancher's fiddleneck

*Amsinckia intermedia* Fisch. & C.A. Mey. var. *intermedia*

*Amsinckia menziesii* (Lehm.) A. Nelson & J.F. Macbr. var. *intermedia* (Fisch. & C.A. Mey.) Ganders [JPM]

#### ***Amsinckia lycopsoides*** Lehm. [HC, HC2]

Delectus seminum quae in horto Hamburgensium botanico e collectione anni 1831 mutuae commutationi offeruntur.

bugloss fiddleneck, tarweed fiddleneck

#### ***Amsinckia menziesii*** (Lehm.) A. Nelson & J.F. Macbr. [HC, HC2]

*Bot. Gaz.* 61(1): 36.

harvest fiddleneck, rigid fiddleneck, rancher's fireweed

*Amsinckia menziesii* (Lehm.) A. Nelson & J.F. Macbr. var. *menziesii* [JPM]

*Amsinckia micrantha* Suksd.

#### ***Amsinckia retrorsa*** Suksd. [HC, HC2]

*Deutsche Bot. Monatsschr.* 18: 134.

harvest fiddleneck, rigid fiddleneck

#### ***Amsinckia spectabilis*** Fisch. & C.A. Mey. [HC, HC2]

*Index Seminum* [St.Petersburg (Petropolitanus)] 2: 26 (-27).

seaside amsinckia, seaside fiddleneck

*Amsinckia scouleri* I.M. Johnst.

var. ***spectabilis*** [HC2, JPM]

seaside amsinckia, seaside fiddleneck

#### ***Amsinckia tessellata*** A. Gray [HC, HC2]

*Proc. Amer. Acad. Arts* x. 54.

bristly amsinckia, bristly fiddleneck, tessellate fiddleneck

var. ***tessellata*** [HC2, JPM]

bristly amsinckia, bristly fiddleneck, tessellate fiddleneck

**Anchusa** [HC, HC2]

alkanet, anchusa, bugloss

**Anchusa azurea** Mill. [HC, HC2]

Gard. Dict., ed. 8. n. 9.  
Italian alkanet, Italian bugloss

**var. azurea** [HC2]

Italian alkanet, Italian bugloss

**Anchusa officinalis** L. [HC, HC2]

Sp. Pl. 1: 133.  
common alkanet, common bugloss

**Asperugo** [HC, HC2]

catchweed, madwort

**Asperugo procumbens** L. [HC, HC2]

Sp. Pl. 1: 138.  
catchweed, madwort

**Borago** [HC, HC2]

borage

**Borago officinalis** L. [HC, HC2]

Sp. Pl. 1: 137.  
borage, common borage

**Buglossoides** [HC2]

gromwell

**Buglossoides arvensis** (L.) I.M. Johnst. [HC2]

Journal of the Arnold Arboretum 35.  
corn gromwell, field gromwell

*Lithospermum arvense* L. [HC]

**Cryptantha** [HC, HC2]

cryptantha, white forget-me-not  
(see also *Greeneocharis*)

**Cryptantha affinis** (A. Gray) Greene [HC, HC2]

Pittonia 1(7): 119.  
quill cat's-eye, common cryptantha, slender cryptantha  
*Krynitzkia affinis* A. Gray

**Cryptantha ambigua** (A. Gray) Greene [HC, HC2]

Pittonia 1(7): 113.  
basin cat's-eye, obscure cryptantha, wilke's cryptantha

**Cryptantha fendleri** (A. Gray) Greene [HC, HC2]

Pittonia 1(7): 120.  
sand dune cat's-eye, Fendler's cryptantha

**Cryptantha flaccida** (Douglas ex Lehm.) Greene [HC, HC2]

Pittonia 1(7): 115.  
weakstem cat's-eye, flaccid cryptantha

**Cryptantha gracilis** Osterh. [HC2, JPM]

Bull. Torrey Bot. Club 30(4): 236.  
narrow-stem cryptantha, slender cryptantha

**Cryptantha grandiflora** Rydb. [Draft FNA, HC2]

Bull. Torrey Bot. Club 36(12): 679?680.  
large-flowered cryptantha

(see also *Cryptantha intermedia*)

*Cryptantha intermedia* (A. Gray) Greene var. *grandiflora* (Rydb.) Cronquist [HC]

***Cryptantha intermedia*** (A. Gray) Greene [HC, HC2]

Pittonia 1(7): 114.

Clearwater cat's-eye, common cryptantha  
(see also *Cryptantha grandiflora*)

*Cryptantha fragilis* M. Peck

var. ***hendersonii*** (A. Nelson) Jeps. & Hoover [HC, HC2]

Fl. Calif. [Jepson] 3: 339.

Henderson's common cryptantha

*Cryptantha hendersonii* (A. Nelson) Piper ex J.C. Nelson

***Cryptantha pterocarya*** (Torr.) Greene [HC, HC2, JPM]

Pittonia 1(7): 120.

wingnut cryptantha

var. ***pterocarya*** [HC2]

wingnut cryptantha

***Cryptantha rostellata*** (Greene) Greene [HC, HC2]

Pittonia 1(7): 116.

beaked cryptantha

*Cryptantha rostellata* (Greene) Greene var. *spithamea* (I.M. Johnst.) Jeps.

***Cryptantha scoparia*** A. Nelson [HC, HC2]

Botanical Gazette 54(2): 144-145.

pinyon desert cat's-eye, desert cryptantha

***Cryptantha simulans*** Greene [HC, HC2]

Pittonia 5(26B): 54.

pine woods cat's-eye, pine woods cryptantha

***Cryptantha torreyana*** (A. Gray) Greene [HC2, JPM2]

Pittonia 1(7): 118.

Torrey's cryptantha

*Cryptantha torreyana* (A. Gray) Greene var. *pumila* (A. Heller) I.M. Johnst.

Similar to *C. ambigua*, and they intergrade.

var. ***torreyana*** [HC2]

Torrey's cryptantha

***Cryptantha watsonii*** (A. Gray) Greene [HC, HC2]

Pittonia 1(7): 120.

Watson's cryptantha

***Cynoglossum*** [HC, HC2]

hound's-tongue

(see also *Adelinia*)

***Cynoglossum officinale*** L. [HC, HC2]

Sp. Pl. 1: 134.

common hound's-tongue

***Echium*** [HC, HC2]

viper's bugloss

***Echium vulgare*** L. [HC, HC2]

Sp. Pl. 1: 139.

common viper's bugloss

***Eritrichium*** [HC, HC2]

eritrichium, alpine forget-me-not, false forget-me-not

***Eritrichium argenteum*** W. Wight [Draft FNA, HC2]

Bull. Torrey Bot. Club 29(6): 411?412.

alpine forget-me-not

*Eritrichium nanum* (Vill.) Schrad. ex Gaudin [HC]

*Eritrichium nanum* (Vill.) Schrad. ex Gaudin [HC], misapplied

*Eritrichium nanum* (Vill.) Schrad. ex Gaudin var. *elongatum* (Rydb.) Cronquist [HC], misapplied

***Greeneocharis*** [HC2]

Greeneocharis

***Greeneocharis circumscissa*** (Hook. & Arn.) Rydb. [HC2]

Bull. Torrey Bot. Club 36(12): 677.

cushion cryptantha, matted cryptantha

*Cryptantha circumscissa* (Hook. & Arn.) I.M. Johnst. [HC, JPM]

var. ***circumscissa*** [HC2]

*Cryptantha circumscissa* (Hook. & Arn.) I.M. Johnst. var. *circumscissa*

*Cryptantha circumscissa* (Hook. & Arn.) I.M. Johnst. var. *hispida* (J.F. Macbr.) I.M. Johnst.

*Greeneocharis circumscissa* (Hook. & Arn.) Rydb. var. *circumscissa* [Abrams]

***Gruvelia*** [HC2]

little combseed, little pectocarya

***Gruvelia pusilla*** A. DC. [Draft FNA, HC2]

Prodr. [A. P. de Candolle] 10: 119.

little gruvelia

*Pectocarya pusilla* (A. DC.) A. Gray [HC]

***Hackelia*** [HC, HC2]

wild forget-me-not, hackelia, stickseed

***Hackelia americana*** (A. Gray) Fernald [HC2]

Rhodora 40: 341.

nodding stickseed

*Hackelia deflexa* (Wahlenb.) Opiz ssp. *americana* (A. Gray) Á. Löve & D. Löve

*Hackelia deflexa* (Wahlenb.) Opiz var. *americana* (A. Gray) Fernald & I.M. Johnst. [HC]

*Lappula deflexa* (Wahlenb.) Garcke ssp. *americana* (A. Gray) Hultén

***Hackelia ciliata*** (Douglas ex Lehm.) I.M. Johnst. [HC, HC2]

Contributions from the Gray Herbarium of Harvard University 68: 46.

Okanogan stickseed

***Hackelia cinerea*** (Piper) I.M. Johnst. [HC, HC2]

gray stickseed

***Hackelia diffusa*** (Lehm.) I.M. Johnst. [HC, HC2]

Contr. Gray Herb. 68: 48

diffuse stickseed

var. ***arida*** (Piper) R.L. Carr [HC2]

Mem. New York Bot. Gard. 26(1): 190.

sagebrush stickseed, steppe stickseed

*Hackelia arida* (Piper) I.M. Johnst. [HC]

Taxonomy follows Gentry and Carr (1976).

var. ***cottonii*** (Piper) R.L. Carr [HC2]

Mem. New York Bot. Gard. 26(1): 192.

Cotton's stickseed

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var. *diffusa* [HC2]

Contr. Gray Herb. 68: 48.

diffuse stickseed

*Hackelia saxatilis* (Piper) Brand

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***Hackelia floribunda*** (Lehm.) I.M. Johnst. [HC, HC2]

Contr. Gray Herb. 68: 46.

many-flowered stickseed

***Hackelia hispida*** (A. Gray) I.M. Johnst. [HC, HC2]

Contr. Gray Herb. 68: 46.

hispid stickseed, rough stickseed

var. *disjuncta* R.L. Carr [HC2]

Mem. New York Bot. Gard. 26(1): 180-181, f. 16.

sagebrush stickseed

var. *hispida* [HC2]

Contr. Gray Herb. 68: 46.

rough stickseed

***Hackelia micrantha*** (Eastw.) J.L. Gentry [HC, HC2]

Madroño 21(7): 490.

meadow forget-me-not, blue stickseed

*Hackelia jessicae* (McGregor) Brand

***Hackelia taylorii*** Harrod, Malmquist & R.L. Carr [HC2]

Journal of the Botanical Research Institute of Texas 7(2): 652?657, f. 4.

Taylor's stickseed

***Hackelia venusta*** (Piper) H. St. John [HC, HC2]

Research Studies of the State College of Washington 1(2): 104.

lesser showy stickseed

***Lappula*** [HC, HC2]

stickseed

***Lappula longispina*** [HC2], unpublished name

long-spined stickseed

***Lappula occidentalis*** (S. Watson) Greene [HC2]

western stickseed

var. *cupulata* (A. Gray) Higgins [FNA]

Brigham Young Univ. Sci. Bull., Biol. Ser. 16(3): 62.

cupulate stickseed

*Lappula occidentalis* (S. Watson) Greene var. *stricta* (S. Watson) Rolfsmeier [HC2], unpublished

***Lappula squarrosa*** (Retz.) Dumort. [HC2, JPM2]

Fl. Lit. Inch. 1: 25.

bristly sheepburr, bristly stickseed, common stickseed, European stickseed, bristly-fruited tickweed

*Lappula echinata* Gilib. [HC]

***Lithospermum*** [HC, HC2]

(see also *Buglossoides*)

*Onosmodium* [HC]

***Lithospermum incisum*** Lehm. [HC, HC2]

Pl. Asperif. Nucif. 2: 303.

fringed stoneseed

This species is known in Washington from a single historical collection (1926) from Osoyoos Lake. It is possible that this species is extirpated from Washington.

***Lithospermum ruderales*** Douglas ex Lehm. [HC, HC2]

Nov. Stirp. Pug. 2: 28.

*Lithospermum lanceolatum* Rydb., Invalid name

***Lycopsis*** [HC2]

bugloss, small bugloss

***Lycopsis arvensis*** L. [HC2]

Sp. Pl. 1: 139.

annual bugloss, European bugloss, small bugloss

*Anchusa arvensis* (L.) M. Bieb. [JPM]

**ssp. *arvensis*** [HC2]

annual bugloss, European bugloss, small bugloss

***Mertensia*** [HC, HC2]

bluebells, lungwort, mertensia

***Mertensia amoena*** A. Nelson [HC2]

Bot. Gaz. 30(3): 195.

beautiful bluebells, sagebrush bluebells

*Mertensia oblongifolia* (Nutt.) G. Don var. *amoena* (A. Nelson) L.O. Williams [JPM]

***Mertensia brachycalyx*** Piper [HC2]

Contr. U.S. Natl. Herb. xi. 477.

short-sepaled bluebells

***Mertensia ciliata*** (E. James ex Torr.) G. Don [HC, HC2]

Gen. Hist. 4: 372.

mountain bluebells, streamside bluebells, tall fringed bluebells

*Mertensia ciliata* (E. James ex Torr.) G. Don var. *subpubescens* (Rydb.) J.F. Macbr. & Payson [HC2]

***Mertensia foliosa*** A. Nelson [HC2]

Bull. Torrey Bot. Club 26(5): 243 (-244).

leafy bluebells

***Mertensia longiflora*** Greene [HC, HC2]

Pittonia 3(18A): 261.

long-flowered bluebells, trumpet bluebells, long-flowered lungwort

***Mertensia paniculata*** (Aiton) G. Don [HC, HC2]

Gen. Hist. iv. 318.

northern bluebell, tall bluebell

var. ***borealis*** (J.F. Macbr.) L.O. Williams [HC, HC2, JPM]

Ann. Missouri Bot. Gard. 24(1): 49.

northern bluebell

(see also *Mertensia brachycalyx*)

var. ***paniculata*** [HC, HC2, JPM]

Gen. Hist. 4: 318.

tall bluebell

***Mertensia platyphylla*** A. Heller [HC, HC2]

Bull. Torrey Bot. Club 26(10): 548-549.

broadleaf bluebell

*Mertensia platyphylla* A. Heller var. *platyphylla*

*Mertensia platyphylla* A. Heller var. *subcordata* (Greene) L.O. Williams

***Mertensia umbratilis*** Greenm. [HC, HC2]

Erythea 7(11): 118-119.  
shade bluebell

**Myosotis** [HC, HC2]

forget-me-not, scorpion-grass

*Myosotis arvensis* (L.) Hill [HC, HC2]

Veg. Syst. 7: 55.

field forget-me-not, field scorpion-grass

*Myosotis discolor* Pers. [HC, HC2]

Syst. Veg. (ed. 15) 190 [1798].

yellow and blue forget-me-not, yellow and blue scorpiongrass

*Myosotis versicolor* (Pers.) Sm.

*Myosotis laxa* Lehm. [HC, HC2]

Pl. Asperif. Nucif. 1: 83.

bay forget-me-not, small forget-me-not

*Myosotis ramosissima* Rochel.

Oestr. Fl., ed. 2 1: 366, adnot.

early forget-me-not

*Myosotis scorpioides* L. [HC, HC2]

Sp. Pl. 1: 131.

common forget-me-not, true forget-me-not, water forget-me-not

*Myosotis palustris* (L.) Hill

*Myosotis stricta* Link ex Roem. & Schult. [ILBC2]

blue scorpion-grass

*Myosotis micrantha* Pall. ex Lehm., misapplied

The name *M. micrantha* is a misapplied name for this species.

*Myosotis sylvatica* Ehrh. ex Hoffm. [HC, HC2, Stace 1997]

Deut. Fl. 1: 61.

woodland forget-me-not

*Myosotis alpestris* F.W. Schmidt [Davis 1952, HC2], misapplied

This is the common garden escape, often confused with *M. arvensis* (Stace 1997).

*Myosotis verna* Nutt. [HC, HC2]

Gen. N. Amer. Pl. 2: Add.

early forget-me-not, spring forget-me-not, early scorpion-grass, spring scorpion-grass

*Myosotis macrosperma* Engelm. [Peck], misapplied

*Myosotis virginica* (L.) B.S.P. [Abrams]

**Oreocarya**

oreocarya

*Oreocarya glomerata* (Pursh) Greene

Pittonia 1(2): 58.

cockscorn oreocarya

*Cryptantha celosioides* (Eastw.) Payson [HC, HC2]

*Cryptantha sheldonii* (Brand) Payson

*Oreocarya celosioides* Eastw.

*Oreocarya sheldonii* Brand

*Oreocarya leucophaea* (Douglas ex Lehm.) Greene

Pittonia 1(2): 58.

gray oreocarya

*Cryptantha leucophaea* (Douglas ex Lehm.) Payson [HC, HC2]



**Oreocarya spiculifera** Piper [FNA, OFP]

Contr. U.S. Natl. Herb. 11: 481.

Snake River cat's-eye, Snake River oreocarya

*Cryptantha interrupta* (Greene) Payson [HC], misapplied

*Cryptantha spiculifera* (Piper) Payson [HC2]

**Oreocarya thompsonii** (I.M. Johnst.) Abrams

Ill. Fl. Pacific States 3: 600.

Thompson's cat's-eye, Thompson's oreocarya

*Cryptantha thompsonii* I.M. Johnst. [HC, HC2]

**Pectocarya** [HC, HC2]

combseed, pectocarya

(see also *Gruvelia*)

**Pectocarya penicillata** (Hook. & Arn.) A. DC. [HC2, IFBC]

Prodr. 10: 120.

shortleaf combseed, winged pectocarya

*Pectocarya linearis* (Ruiz & Pav.) DC. var. *penicillata* (Hook. & Arn.) M.E. Jones [HC]

**Pectocarya setosa** A. Gray [HC, HC2]

Proc. Amer. Acad. Arts 12: 81.

bristly combseed

**Pentaglottis** [HC2]

alkanet

**Pentaglottis sempervirens** (L.) Tausch ex L.H. Bailey [HC2, IFBC]

Flora 12: 643.

green alkanet

*Anchusa sempervirens* L.

**Plagiobothrys** [HC, HC2]

plagiobothrys, popcorn-flower

**Plagiobothrys cognatus** (Greene) I.M. Johnst. [HC2, JPM]

Contr. Arnold Arbor. 3: 59.

cognate popcorn-flower

*Allocarya cognata* Greene

**Plagiobothrys cusickii** (Greene) I.M. Johnst. [HC2, JPM]

Contr. Arnold Arbor. 3: 63.

matted popcorn-flower

*Allocarya cusickii* Greene

*Plagiobothrys scouleri* (Hook. & Arn.) I.M. Johnst. var. *cusickii* (Greene) Higgins

*Plagiobothrys scouleri* (Hook. & Arn.) I.M. Johnst. var. *penicillatus* (Greene) Cronquist [HC]

**Plagiobothrys figuratus** (Piper) I.M. Johnst. ex M. Peck [HC, HC2]

Man. Pl. Oregon 609.

fragrant popcorn-flower

*Allocarya figurata* Piper [Abrams]

var. **figuratus** [HC2]

fragrant popcorn-flower

*Plagiobothrys figuratus* (Piper) I.M. Johnst. ex M. Peck ssp. *figuratus*

*Plagiobothrys hirtus* (Greene) I.M. Johnst. var. *figuratus* (Piper) I.M. Johnst.

**Plagiobothrys hispidulus** (Greene) I.M. Johnst. [HC2, JPM]

Contr. Arnold Arbor. 3: 71.

harsh popcorn-flower

(see also *Plagiobothrys cognatus*, *Plagiobothrys cusickii*)

*Allocarya hispidula* Greene

*Plagiobothrys scouleri* (Hook. & Arn.) I.M. Johnst. var. *hispidulus* (Greene) Dorn

***Plagiobothrys leptocladus*** (Greene) I.M. Johnst. [HC, HC2]

Contr. Arnold Arbor. 3: 38.

alkali popcorn-flower, slender-branched popcorn-flower

***Plagiobothrys nothofulvus*** (A. Gray) A. Gray [HC, HC2]

Proc. Amer. Acad. Arts xx. 285.

rusty popcorn-flower

***Plagiobothrys scouleri*** (Hook. & Arn.) I.M. Johnst. [HC, HC2]

Contr. Gray Herb. 68: 75.

Scouler's popcorn-flower

(see also *Plagiobothrys cognatus*, *Plagiobothrys cusickii*, *Plagiobothrys hispidulus*)

*Allocarya granulata* Piper

*Allocarya scouleri* (Hook. & Arn.) Greene

*Plagiobothrys granulatus* (Piper) I.M. Johnst.

*Plagiobothrys scouleri* (Hook. & Arn.) I.M. Johnst. var. *scouleri* [HC]

***Plagiobothrys tenellus*** (Nutt. ex Hook.) A. Gray [HC, HC2]

Proc. Amer. Acad. Arts 20: 283.

Pacific popcorn-flower, slender popcorn-flower

*Plagiobothrys asper* Greene

***Pulmonaria***

***Symphytum*** [HC, HC2]

comfrey

***Symphytum asperum*** Lepech. [HC, HC2]

Ber. Thätigk. St. Gallischen Naturwiss. Ges. 1876--77: 296 (Gen. Sp. Musc. 2: 1114).

prickly comfrey, rough comfrey

(see also *Symphytum uplandicum*)

*Symphytum asperrimum* Donn ex Sims

***Symphytum officinale*** L. [HC, HC2]

Sp. Pl. 1: 136.

common comfrey

***Symphytum ×uplandicum*** Nyman [HC2, Stace 1997]

Syll. Fl. Eur. 80.

hybrid comfrey