

Washington Flora Checklist

A checklist of the Vascular Plants of Washington State

Hosted by the University of Washington Herbarium

Family: Boraginaceae

83 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.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 18th, 2024 at 8:15pm 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 ruderae 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 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