

# Washington Flora Checklist

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

### Family: **Montiaceae**

33 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superceded by new information.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 5:47pm PT.

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

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# Dicots:

## Montiaceae [HC2] Miner's Lettuce Family

### **Calandrinia** [FNA4, HC, HC2]

Nov. Gen. Sp. 6: 77, plate 526. 1823.

calandrinia

### **Calandrinia menziesii** (Hook.) Torr. & A.Gray

Fl. N. Amer. (Torr. & A. Gray) 1(2): 197. 1838.

fringed red maids

*Calandrinia ciliata* (Ruiz & Pav.) DC., misapplied

### **Calyptridium** [HC, HC2]

calyptridium, pussypaws

### **Calyptridium roseum** S. Watson [HC, HC2, JPM2]

Botany (Fortieth Parallel), 44, plate 6, figs. 6-8. 1871.

rosy pussypaws

*Cistanthe rosea* (S. Watson) Hershk. [FNA4]

### **Calyptridium umbellatum** (Torr.) Greene [HC2, JPM2]

Bull. Torrey Bot. Club 13: 144. 1886.

pussypaws

*Calyptridium umbellatum* (Torr.) Greene var. *caudiciferum* (A. Gray) Jeps. [VPBC4, JPM]

*Calyptridium umbellatum* (Torr.) Greene var. *umbellatum*

*Cistanthe umbellata* (Torr.) Hershk. [FNA4]

*Cistanthe umbellata* (Torr.) Hershk. var. *caudicifera* (A. Gray) Kartesz & Gandhi [KZ99]

*Cistanthe umbellata* (Torr.) Hershk. var. *umbellata* [KZ99]

*Spraguea umbellata* Torr. [HC]

*Spraguea umbellata* Torr. var. *caudicifera* A. Gray [HC]

*Spraguea umbellata* Torr. var. *umbellata* [HC]

### **Claytonia** [FNA4, HC, HC2]

Sp. Pl. 1: 204. 1753; Gen. Pl. ed. 5, 96. 1754.

claytonia, miner's lettuce, springbeauty

### **Claytonia arenicola** L.F. Hend. [FNA4, HC2]

Bull. Torrey Bot. Club. 22: 49. 1895.

sand claytonia, sand springbeauty

*Montia arenicola* (L.F. Hend.) Howell [HC]

### **Claytonia cordifolia** S. Watson [FNA4, HC2]

Proc. Amer. Acad. Arts. 17: 365. 1882.

broadleaf springbeauty, heart-leaf springbeauty

*Claytonia sibirica* L. var. *cordifolia* (S. Watson) R.J. Davis

*Montia cordifolia* (S. Watson) Pax & K. Hoffm. [HC]

### **Claytonia exigua** Douglas ex Torr. & A. Gray [FNA4, HC2]

Fl. N. Amer. 1: 200. 1838.

pale claytonia

### **ssp. exigua** [FNA4, HC2]

Fl. N. Amer. 1: 200. 1838.

Claytonia, pale springbeauty Claytonia

*Montia spathulata* (Douglas) Howell [HC]

**ssp. *glauca*** (Nutt. ex Torr. & A. Gray) John M. Mill. & K.L. Chambers [FNA4, HC2]

Novon. 3: 272. 1993.

pallid Claytonia

*Claytonia parviflora* Hook. var. *glauca* Nutt. ex Torr. & A. Gray

*Montia perfoliata* (Donn ex Willd.) Howell ssp. *glauca* (Nutt. ex Torr. & A. Gray) Ferris

***Claytonia lanceolata*** Pursh [FNA4, HC, HC2]

Fl. Amer. Sept. 1: 175, plate 3. 1814.

lanceleaf springbeauty

(see also *Claytonia multiscapa*)

*Claytonia caroliniana* Michx. var. *piersonii* (Munz & I.M. Johnst.) B. Boivin

*Claytonia lanceolata* Pursh ssp. *chrysantha* (Greene) Ferris

*Claytonia lanceolata* Pursh var. *chrysantha* (Greene) C.L. Hitchc. [HC]

*Claytonia lanceolata* Pursh var. *idahoensis* R.J. Davis

*Claytonia lanceolata* Pursh var. *lanceolata* [HC]

*Claytonia lanceolata* Pursh var. *piersonii* Munz & I.M. Johnst.

*Claytonia sessilifolia* (Torr.) Henshaw

FNA5: "Some differences of opinion exist regarding the relationships of *Claytonia lanceolata* and *C. rosea*. The work of D. K. Halleck and D. Wiens (1966) and J. S. Shelly et al. (1998) provides ample justification for their recognition as distinct species."

***Claytonia megarhiza*** (A. Gray) Parry ex S. Watson [FNA4, HC, HC2]

Smithsonian Misc. Collect. 258: 118. (as *megarrhiza*). 1878.

alpine springbeauty

*Claytonia arctica* Adams var. *megarrhiza* A. Gray

*Claytonia megarhiza* (A. Gray) Parry ex S. Watson var. *bellidifolia* (Rydb.) C.L. Hitchc. [HC]

*Claytonia megarhiza* (A. Gray) Parry ex S. Watson var. *megarrhiza* [HC]

*Claytonia megarhiza* (A. Gray) Parry ex S. Watson var. *nivalis* (English) C.L. Hitchc. [HC]

***Claytonia multiscapa*** Rydb. [FNA4, HC2]

Fl. Rocky Mts. 263, 1061. 1917.

Rydberg's springbeauty

**ssp. *pacifica*** (McNeill) John M. Mill. & K.L. Chambers [HC2]

Syst. Bot. Monogr. 78: 59. 2006.

Pacific lanceleaf springbeauty

*Claytonia lanceolata* Pursh var. *pacifica* McNeill [KZ99]

Plants called *Claytonia lanceolata* var. *pacifica* (McNeill 1972) have been tracked as a rare taxon by the Washington Natural Heritage Program.

***Claytonia parviflora*** Douglas ex Hook. [FNA4, HC2]

Fl. Bor.-Amer. 1: 225, plate 73. 1832.

small-flowered miner's lettuce, small-flowered springbeauty

*Claytonia parviflora* Douglas ex Hook. ssp. *grandiflora* John M. Mill. & K.L. Chambers [FNA4]

*Claytonia parviflora* Douglas ex Hook. ssp. *parviflora* [FNA4]

*Claytonia parviflora* Douglas ex Hook. ssp. *utahensis* (Rydb.) John M. Mill. & K.L. Chambers [FNA4]

*Claytonia parviflora* Douglas ex Hook. ssp. *viridis* (Davidson) John M. Mill. & K.L. Chambers [FNA4]

*Claytonia perfoliata* Donn ex Willd. var. *parviflora* (Douglas ex Hook.) Torr.

*Montia perfoliata* (Donn ex Willd.) Howell var. *parviflora* (Douglas ex Hook.) Jeps.

***Claytonia perfoliata*** Donn ex Willd. [FNA4, HC2, VPBC4]

Sp. Pl. 2: 1186. 1798.

miner's lettuce

(see also *Claytonia parviflora*, *Claytonia rubra*)

*Claytonia perfoliata* Donn ex Willd. ssp. *intermontana* John M. Mill. & K.L. Chambers [FNA4]

*Claytonia perfoliata* Donn ex Willd. ssp. *mexicana* (Rydb.) John M. Mill. & K.L. Chambers [FNA4]

*Claytonia perfoliata* Donn ex Willd. ssp. *perfoliata* [FNA4]

*Montia perfoliata* (Donn ex Willd.) Howell [HC]

**Claytonia rubra** (Howell) Tidestr. [FNA4, HC2]

Contr. U.S. Natl. Herb. 25: 188. 1925.

cushion miner's lettuce, red miners lettuce

*Claytonia parviflora* Douglas ex Hook. var. *depressa* A. Gray

*Claytonia perfoliata* Donn ex Willd. var. *depressa* (A. Gray) Poelln.

*Claytonia rubra* (Howell) Tidestr. ssp. *depressa* (A. Gray) John M. Mill. & K.L. Chambers [FNA4]

*Claytonia rubra* (Howell) Tidestr. ssp. *rubra* [FNA4]

*Montia perfoliata* (Donn ex Willd.) Howell var. *depressa* (A. Gray) Jeps.

*Montia rubra* Howell

**Claytonia sibirica** L. [FNA4, HC2]

Sp. Pl. 1: 204. 1753.

candyflower, Siberian springbeauty, western springbeauty

*Claytonia heterophylla* (Torr. & A. Gray) Swanson [KZ99]

*Claytonia sibirica* L. var. *bulbifera* A. Gray [KZ99]

*Claytonia sibirica* L. var. *heterophylla* (Torr. & A. Gray) A. Gray

*Claytonia sibirica* L. var. *sibirica* [KZ99]

*Montia sibirica* (L.) Howell [HC]

*Montia sibirica* (L.) Howell var. *bulbifera* (A. Gray) B.L. Rob. [HC]

*Montia sibirica* (L.) Howell var. *heterophylla* (Torr. & A. Gray) B.L. Rob. [HC]

*Montia sibirica* (L.) Howell var. *sibirica* [HC]

**Claytonia umbellata** S. Watson [FNA4, HC, HC2]

Botany (Fortieth Parallel). 43, plate 6, figs. 4, 5. 1871.

Great Basin springbeauty

**Claytonia washingtoniana** (Suksd.) Suksd. [FNA4, HC2]

Werdenda. 1: 10. 1923.

Lake Washington claytonia, Lake Washington miner's lettuce, Lake Washington springbeauty

*Montia washingtoniana* Suksd.

Fertile annual hybrid of *Claytonia sibirica* and *C. perfoliata* (Fellows 1971). Perhaps declining in western Washington due to loss of habitat and competition with weeds.

**Lewisia** [FNA4, HC, HC2]

Fl. Amer. Sept. 2: 360. 1814.

bitterroot, lewisia

(see also *Lewisiopsis*)

**Lewisia columbiana** (Howell ex A. Gray) B.L. Rob. [FNA4, HC, HC2]

Syn. Fl. N. Amer. 1: 269. 1897.

Columbia lewisia

*Calandrinia columbiana* Howell ex A. Gray

*Oreobroma columbianum* (Howell ex A. Gray) Howell

*Talinum denticulatum* Poelln.

**var. columbiana** [FNA4, HC, HC2]

In A. Gray et al., Syn. Fl. N. Amer. 1: 269. 1897.

Columbia lewisia

FNA reports *Lewisia columbiana* var. *wallowensis* C. L. Hitchc. from northwestern Washington, a surprising new location for the variety, and one that needs confirmation.

**var. rupicola** (English) C.L. Hitchc. [FNA4, HC, HC2]

Vasc. Pl. Pacif. N.W. 2: 232. 1964.

Columbia lewisia

*Lewisia columbiana* (Howell ex A. Gray) B.L. Rob. ssp. *rupicola* (English) Ferris

*Lewisia rupicola* English

FNA4: "B. Mathew (1989b) noted that the cultivated *Lewisia columbiana* '?Rosea' is this variety. B. L. Davidson (2000) noted that the United States populations have pink to magenta petals, whereas the

British Columbia populations have white to pale pink petals characteristic of the other varieties. Mathew questioned the assignment of the British Columbia plants to this variety."

\**Lewisia cotyledon* (S. Watson) B.L. Rob. [FNA4, HC, HC2]

Syn. Fl. N. Amer. 1: 268. 1897.

Siskiyou lewisia

Recently (2017) observed growing in the Goat Rocks Wilderness Area. Originally reported in 1st edition Flora PNW as having been transplanted there. Apparently still persisting.

\*var. *cotyledon* [FNA4, HC2]

*Lewisia nevadensis* (A. Gray) B.L. Rob. [FNA4, HC2]

Syn. Fl. N. Amer. 1: 268. 1897.

Nevada bitterroot

*Calandrinia nevadensis* A. Gray

*Claytonia grayana* Kuntze

*Lewisia bernardina* Davidson

*Lewisia pygmaea* (A. Gray) B.L. Rob. var. *nevadensis* (A. Gray) Fosberg [HC]

*Oreobroma nevadensis* (A. Gray) Howell

FNA4: "*Lewisia nevadensis* represents one extreme of the *L. pygmaea* complex (see discussion under 13. *L. pygmaea*). Questionable geographic occurrences reflect plants that have one or more features otherwise suggestive of *L. pygmaea* (e.g., more elongate roots, truncate and/or toothed sepals, and colored petals); such intermediates also occur in the range of "typical" *L. nevadensis* (relatively robust plants with napiform roots, solitary flowers, acute sepals with entire margins, and white petals). Uncertainty respecting the affinity of specimens prevails in those from Arizona, Colorado, Idaho, and Wyoming. There are no supporting specimens from Wyoming. The floral symmetry of *Lewisia nevadensis* may be somewhat elliptical, the two outer sepals and the remaining petals imbricate and opposite the sepals, giving the flowers a pinched appearance, a feature also reported for *L. oppositifolia*."

*Lewisia pygmaea* (A. Gray) B.L. Rob. [FNA4, HC, HC2]

Syn. Fl. N. Amer. 1: 268. 1897.

least bitterroot, alpine lewisia, dwarf lewisia

(see also *Lewisia nevadensis*)

*Calandrinia grayi* Britton

*Calandrinia pygmaea* (A. Gray) A. Gray

*Lewisia exarticulata* H. St. John

*Lewisia glandulosa* (Rydb.) Clay

*Lewisia minima* (A. Nelson) A. Nelson

*Lewisia pygmaea* (A. Gray) B.L. Rob. var. *pygmaea* [HC]

*Lewisia pygmaeum* (A. Gray) B.L. Rob. var. *aridorum* Bartlett

*Oreobroma aridorum* (Bartlett) A. Heller

*Oreobroma pygmaeum* (A. Gray) Howell

*Talinum pygmaeum* A. Gray

FNA4: "The circumscription and diagnosis of *Lewisia pygmaea* is problematic because of morphologic variability, intermediacy, and/or hybridization with *L. nevadensis* (see L. T. Dempster 1990). In the range of typical forms of *L. nevadensis* (see discussion under 11. *L. nevadensis*), one or more forms of *L. pygmaea* will also occur, but at higher elevations. Segregates of *L. pygmaea* recognized elsewhere as species include *L. glandulosa*, which occurs in rocky substrates above 3000 m in the central and southern Sierra Nevada and is characterized by elongate, sinuous taproots (L. T. Dempster 1990); and *L. sierrae*, which occurs in moist flats above 2400 m in the central Sierra Nevada and includes diminutive plants with irregularly eglandular-toothed (occasionally entire) sepals (B. Mathew 1989b). Dempster postulated that the variable and widely distributed *L. pygmaea* represents a hybrid species derived from *L. nevadensis* and *L. glandulosa*."

*Lewisia rediviva* Pursh [FNA4, HC, HC2]

Fl. Amer. Sept. 2: 368. 1814.

bitterroot

var. *rediviva* [FNA4, HC2]

Fl. Amer. Sept. 2: 368. 1814.  
bitterroot

*Lewisia alba* Kellogg

***Lewisia triphylla*** (S. Watson) B.L. Rob. [FNA4, HC, HC2]

Syn. Fl. N. Amer. 1: 269. 1897.  
three leaf bitterroot, three leaf lewisia

*Claytonia triphylla* S. Watson  
*Erocallis triphylla* (S. Watson) Rydb.  
*Oreobroma triphylla* (S. Watson) Howell

***Lewisiopsis*** [HC2]

lewisia

***Lewisiopsis tweedyi*** (A. Gray) Govaerts [HC2]

World Checkl. Seed Pl. 3(1): 21. 1999.  
Tweedy's lewisia

*Calandrinia tweedyi* A. Gray  
*Cistanthe tweedyi* (A. Gray) Hershk. [FNA4]  
*Lewisia tweedyi* (A. Gray) B.L. Rob. [HC]

***Montia*** [FNA4, HC, HC2]

Sp. Pl. 1: 87. 1753; Gen. Pl. ed. 5, 38. 1754.  
water chickweed, montia  
(see also *Claytonia*)

***Montia chamissoi*** (Ledeb. ex Spreng.) Greene [FNA4, HC, HC2]

Fl. Francisc. 180. (as *chamissonis*). 1891.  
Chamisso's montia, water montia

*Claytonia chamissoi* Ledeb. ex Spreng.  
*Crunocallis chamissoi* (Ledeb. ex Spreng.) Rydb.

***Montia dichotoma*** (Nutt.) Howell [FNA4, HC, HC2]

Erythea. 1: 36. 1893.  
dwarf montia

*Claytonia dichotoma* Nutt.  
*Montiastrum dichotomum* (Nutt.) Rydb.

***Montia diffusa*** (Nutt.) Greene [FNA4, HC, HC2]

Fl. Francisc. 181. 1891.  
spreading candyflower, branching montia

*Claytonia diffusa* Nutt.  
*Limnalsine diffusa* (Nutt.) Rydb.

Rare in Washington and Oregon. Some populations increase following fire.

***Montia fontana*** L. [FNA4, HC, HC2]

Sp. Pl. 1: 87. 1753.  
water blinks, water chickweed, annual water miner's lettuce

*Claytonia hallii* A. Gray  
*Montia clara* Ö. Nilsson  
*Montia fontana* L. ssp. *fontana* [KZ99]  
*Montia fontana* L. var. *lamprosperma* (Cham.) Fenzl [HC]  
*Montia fontana* L. var. *tenerrima* (A. Gray) Fernald & Wiegand [HC]  
*Montia funstonii* Rydb.  
*Montia hallii* (A. Gray) Greene  
*Montia minor* C.C. Gmel.

FNA4: "Montia fontana displays a multitude of forms varying in stature, leaf shape, and seed size. Segregate species, varieties, and subspecies have been named. Based on my study of worldwide

collections of the species, much variation in *M. fontana* is attributable to phenotypic differentiation of ramets produced by local environmental conditions and unrelated to genetic variation. Until macromolecular or other studies shed light on the variation in *M. fontana*, it seems pointless to recognize infraspecific taxa or segregate species."

***Montia howellii*** S. Watson [FNA4, HC, HC2]

Proc. Amer. Acad. Arts. 18: 191. 1883.  
Howell's montia

*Claytonia howellii* (S. Watson) Piper  
*Maxia howellii* (S. Watson) Ö. Nilsson  
*Montiastrum howellii* (S. Watson) Rydb.

An inconspicuous prostrate winter annual, flowering in March and April.

***Montia linearis*** (Douglas) Greene [FNA4, HC, HC2]

Fl. Francisc. 181. 1891.  
lineleaf miner's lettuce, narrow-leafed montia

*Claytonia linearis* Douglas ex Hook.

FNA4: "Montia linearis is a highly uniform species."

***Montia parvifolia*** (Moc. ex DC.) Greene [FNA4, HC, HC2]

Fl. Francisc. 181. 1891.  
litttleleaf miner's lettuce, streambank springbeauty

*Claytonia parvifolia* DC.  
*Montia parvifolia* (Moc. ex DC.) Greene ssp. *flagellaris* (Bong.) Ferris [KZ99]  
*Montia parvifolia* (Moc. ex DC.) Greene ssp. *parvifolia* [KZ99]  
*Montia parvifolia* (Moc. ex DC.) Greene var. *flagellaris* (Bong.) C.L. Hitchc. [HC]  
*Montia parvifolia* (Moc. ex DC.) Greene var. *parvifolia* [HC]  
*Naiocrene parvifolia* (DC.) Rydb.

FNA4: "Montia parvifolia is a variable diploid and tetraploid species. Plants with larger flowers, leaves, and seeds have been treated as var. *flagellaris* (Bongard) C. L. Hitchcock or as the separate species *M. sweetseri* Henderson. Because the complex has not been studied using modern methods, and the variation observed in herbarium specimens has no correlated geographical base, I adopt the position of K. L. Chambers (1993) and do not recognize the two above-mentioned taxa at this time. I equate the species situation here to that of *M. fontana* and choose not to recognize infraspecific taxa."

***Phemeranthus*** [FNA4, HC2]

Specchio Sci. 1: 86. 1814.  
fameflower

***Phemeranthus sediformis*** (Poelln.) Kiger [FNA4, HC2]

Novon. 11: 320. 2001.  
Okanogan fameflower

*Talinum okanoganense* English [HC]  
*Talinum sediforme* Poelln. [VPBC4]  
*Talinum wayae* Eastw.

Poorly studied and similar to *Phemeranthus spinescens*, needs more study and collections.

***Phemeranthus spinescens*** (Torr.) Hershk. [FNA4, HC2]

Taxon. 46: 222. 1997.  
spinescent fameflower, spiny fameflower

*Talinum spinescens* Torr. [HC]