

# Washington Flora Checklist

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

### Family: Ophioglossaceae

19 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.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 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 5:43pm PT.

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

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# Ferns and Lycophytes:

## Ophioglossaceae [FNA2, HC, HC2] Adder's-Tongue Family

### **Botrychium** [FNA2, HC, HC2]

J. Bot. (Schrader). 1800(2): 8, 110. 1801.

moonwort

(see also *Botrypus*, *Sceptridium*)

### **Botrychium ascendens** W.H. Wagner [FNA2, HC2]

Amer. Fern J. 76: 36, figs. 1, 2. 1986.

upswept moonwort

*Botrychium campestre* W.H. Wagner & Farrar var. *campestre*, misapplied

Records of *B. campestre* var. *campestre* from WA are misidentified *B. ascendens*.

### **Botrychium campestre** W.H. Wagner & Farrar

Amer. Fern J. 76: 39, figs. 1986.

field moonwort

### **var. lineare** (W.H. Wagner) Farrar [FNA2, HC2]

Brittonia 69(3): 273. 2017.

narrow-leaf grapefern, slender moonwort

### **Botrychium crenulatum** W.H. Wagner [FNA2, HC2]

Amer. Fern J. 71: 21. 1981.

dainty moonwort, scalloped moonwort

### **Botrychium hesperium** (Maxon & R.T. Clausen) W.H. Wagner & Lellinger [FNA2, HC2]

Amer. Fern J. 71: 92. 1981.

western moonwort

*Botrychium matricariifolium* (Döll) A. Braun ex W.D.J. Koch, misapplied

See also *Botrychium michiganense*.

### **Botrychium lanceolatum** (S.G. Gmel.) Angström [FNA2, HC, HC2]

Bot. Not. 1854: 68. 1854.

lance-leaved grapefern, red triangle moonwort

(see also *Botrychium viride*)

*Botrychium lanceolatum* (S.G. Gmel.) Angström ssp. *lanceolatum* [FNA2]

*Botrychium lanceolatum* (S.G. Gmel.) Angström var. *lanceolatum* [KZ99]

*Botrychium lanceolatum* sensu stricto corresponds to genotypes with a red stripe down the common stalk, dull yellow-green trophophores, and asymmetrically lobed, upwardly curved lower pinnae in which the basal basioscopic pinnules are much larger than the basal acroscopic pinnules. Most reports of *Botrychium lanceolatum* in Washington can be referred to *Botrychium viride*.

### **Botrychium michiganense** W.H. Wagner ex A.V. Gilman, Farrar & Zika [HC2]

Journal of the Botanical Research Institute of Texas 9(2): 300. 2015.

Michigan moonwort

*Botrychium matricariifolium* (Döll) A. Braun ex W.D.J. Koch, misapplied

*Botrychium michiganense* is an allotetraploid formerly confused with *B. hesperium*. The name was recently published (2015).

### **Botrychium minganense** Vict. [FNA2, HC2]

Proc. & Trans. Roy. Soc. Canada. ser. 3, 21: 331. 1927.

Mingan moonwort

*Botrychium lunaria* (L.) Sw. var. *minganense* (Vict.) Dole

*Botrychium onondagense* Underw., misapplied

*Botrychium minganense* is one of our most common and widespread species of moonwort. It shows high morphological variability and is readily confused with several other species.

***Botrychium montanum* W.H. Wagner [FNA2, HC2]**

Amer. Fern J. 71: 29. 1981.

western goblin, mountain moonwort

***Botrychium neolunaria* Stensvold & Farrar [HC2]**

Brittonia 69(2): 168. 2017.

common moonwort

*Botrychium lunaria* (L.) Sw. [FNA2, HC], misapplied

*Botrychium lunaria* (L.) Sw. var. *onondagense* (Underw.) House [HC]

*Botrychium onondagense* Underw.

Recently published (2017) as a North American segregate of the Eurasian *Botrychium lunaria*. The *Botrychium lunaria* species complex has in recent years been split up into a number of named species, represented in Washington by *Botrychium crenulatum* and *Botrychium neolunaria*. *Botrychium neolunaria* is a diploid taxon and one of the parents of the allotetraploid *Botrychium minganense*, with which it is often confused in our area.

***Botrychium paradoxum* W.H. Wagner [FNA2, HC2]**

Amer. Fern J. 71: 24. 1981.

paradox moonwort, two-spiked moonwort

A distinctive species possessing two sporophores of more or less equal size, and no trophophore. Other *Botrychium* species often produce sporadic individuals in which the trophophore lamina is partly or fully replaced by sporangia; these might be confused with *B. paradoxum* but generally differ in the shape or degree of branching of the modified trophophore.

***Botrychium pedunculosum* W.H. Wagner [FNA2, HC2]**

Amer. Fern J. 76: 43, figs. 2, 7. 1986.

stalked moonwort

*Botrychium matricariifolium* (Döll) A. Braun ex W.D.J. Koch, misapplied

***Botrychium pinnatum* H. St. John [FNA2, HC2]**

Amer. Fern J. 19: 11. 1929.

northwestern moonwort, St. John

*Botrychium boreale* J. Milde [FNA2, HC], misapplied

*Botrychium boreale* J. Milde ssp. *obtusilobum* (Rupr.) R.T. Clausen

An allotetraploid species derived from *Botrychium lanceolatum* s.l. and *B. neolunaria*. FNA2: "*Botrychium pinnatum* is most commonly associated with *B. lanceolatum* and *B. lunaria* [= *B. neolunaria*]. Specimens of *B. pinnatum* in North America have been misidentified as *Botrychium boreale*."

***Botrychium simplex* E. Hitchc. [FNA2, HC, HC2]**

Amer. J. Sci. 6: 103, plate 8. 1823.

least moonwort

**var. *compositum* (Lasch) Milde [HC2, JPM]**

Verh. K.K. Zool.-Bot. Ges. Wien 19: 140. 1869.

least moonwort

**var. *simplex* [HC2]**

Amer. J. Sci. 6: 103, plate 8. 1823.

little grapefern, least moonwort

***Botrychium viride* Farrar [HC2], unpublished name**

green triangle moonwort

*Botrychium viride* corresponds to genotypes of *Botrychium lanceolatum* with green common stalks, lustrous green trophophores, and symmetrically lobed lower pinnae in which the basal basioscopic and basal acrosopic pinnules are generally subequal in size. Most reports of *Botrychium lanceolatum* in Washington can be referred to *Botrychium viride*.

**Botrypus** [HC2]

rattlesnake-fern

**Botrypus virginianus** (L.) Michx. [HC2]

Fl. Bor.-Amer. (Michaux) 2: 274. 1803.

rattlesnake fern, common grapefern, Virginia grapefern

*Botrychium virginianum* (L.) Sw. [FNA2, HC]

*Osmunda virginiana* L.

FNA2: "Botrychium virginianum is the most widespread Botrychium in North America."

**Ophioglossum** [FNA2, HC, HC2]

Sp. Pl. 2: 1062. 1753; Gen. Pl. ed. 5, 484, 1754.

adder's-tongue

**Ophioglossum pusillum** Raf. [FNA2, HC2]

Précis Découv. Somiol. 46. 1814.

northern adder's-tongue

*Ophioglossum vulgatum* L. [FNA2, HC], misapplied

FNA2: "Ophioglossum pusillum is inconspicuous and may be much more common than collections indicate. It differs from *O. vulgatum* in having an ephemeral, membranous basal sheath."

**Sceptridium** [HC2]

grape-fern

**Sceptridium multifidum** (Gmel.) Tagawa [HC2]

J. Jap. Bot. 33: 200. 1958.

leathery grapefern

*Botrychium californicum* Underw. [Abrams]

*Botrychium coulteri* Underw.

*Botrychium multifidum* (S.G. Gmel.) Rupr. [FNA2, HC]

*Botrychium silaifolium* C. Presl [Peck, ILBC5]

*Osmunda multifida* S.G. Gmel.