

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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.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 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 25th, 2024 at 8:31am PST.
Available online at <https://burkeherbarium.org/waflora/>

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Ferns and Lycophytes:

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

Synonyms: (none)

References: (none)

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.

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.

field moonwort

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

Brittonia 69(3): 273.

narrow-leaf grapefern, slender moonwort

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

Amer. Fern J. 71: 21.

dainty moonwort, scalloped moonwort

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

Amer. Fern J. 71: 92.

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.

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 basiscopical 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.

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.

Mingan moonwort

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

Botrychium onondagense Underw., misapplied

<i>Botrychium minganense</i> 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.

western goblin, mountain moonwort

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

Brittonia 69(2): 168.

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 <i>Botrychium lunaria</i>. The <i>Botrychium lunaria</i> species complex has in recent years been split up into a number of named species, represented in Washington by <i>Botrychium crenulatum</i> and <i>Botrychium neolunaria</i>. <i>Botrychium neolunaria</i> is a diploid taxon and one of the parents of the allotetraploid <i>Botrychium minganense</i>, with which it is often confused in our area.

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

Amer. Fern J. 71: 24.

paradox moonwort, two-spiked moonwort

A distinctive species possessing two sporophores of more or less equal size, and no trophophore. Other <i>Botrychium</i> species often produce sporadic individuals in which the trophophore lamina is partly or fully replaced by sporangia; these might be confused with <i>B. paradoxum</i> 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.

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.

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 <i>Botrychium lanceolatum</i> s.l. and <i>B. neolunaria</i>. FNA2: "<i>Botrychium pinnatum</i> is most commonly associated with <i>B. lanceolatum</i> and <i>B. lunaria</i> [= <i>B. neolunaria</i>]. Specimens of <i>B. pinnatum</i> in North America have been misidentified as <i>Botrychium boreale</i>."

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

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

least moonwort

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

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

least moonwort

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

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

little grapefern, least moonwort

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

green triangle moonwort

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

Botrypus [HC2]

rattlesnake-fern

Botrypus virginianus (L.) Michx. [HC2]

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

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.

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.

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.