

Flora of the Pacific Northwest Checklist

A checklist of the Vascular Plants of the Pacific Northwest
Hosted by the University of Washington Herbarium

Family: Juncaceae

85 terminal taxa (species, subspecies, and varieties).

The Flora of the Pacific Northwest Checklist aims to be a complete list of the native and naturalized vascular plants of the Pacific Northwest, 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synonymy at the rank of genus and below follows the [2nd Edition of the Flora of the Pacific Northwest](#) except where superseded by new information.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.

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Available online at <https://burkeherbarium.org/pnwflora/>

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Monocots:

Juncaceae [FNA22, HC, HC2] Rush Family

Juncus [FNA22, HC, HC2]

Sp. Pl. 1: 325. 1753; Gen. Pl. ed. 5; 152, 1754.

rush

Juncus acuminatus Michx. [FNA22, HC, HC2]

Flora Boreali-Americana. 1: 192. 1803.

knotty leaf rush, sharp-fruited rush, tapered rush

Juncus acuminatus Michx. var. *legitimus* Engelm.

Juncus pallescens E. Mey. ex Buchenau

Juncus pondii A.W. Wood

Juncus alpinoarticulatus Chaix [FNA22, HC2]

Hist. Pl. Dauphiné. 1: 378. 1786.

alpine rush, northern rush

Juncus alpinoarticulatus Chaix ssp. *americanus* (Farw.) Hämet-Ahti

Juncus alpinoarticulatus Chaix ssp. *fuscescens* (Fernald) Hämet-Ahti

Juncus alpinoarticulatus Chaix ssp. *nodulosus* (Wahlenb.) Hämet-Ahti

Juncus alpinus Vill. [HC], illegitimate name

Juncus richardsonianus Schult. & Schult.f.

A. A. Reznicek notes there are typification problems with the Chaix name proposed by Hämet-Ahti (1980b); here it is retained until another name is proposed in the literature taxonomy here follows FNA (Brooks and Clemants 2000), not Lindquist (1932) or Hämet-Ahti (1986) FNA22: "Several attempts have been made to separate subspecies or varieties of this widespread and variable species. In one study, five varieties were recognized, with four in North America (B. Lindquist 1932). In another, at least six subspecies were recognized with two in North America (L. Hämet-Ahti 1986). The variation we have encountered does not fit nicely into the subspecies Hämet-Ahti has recognized, and until a full account of the variation throughout the range of the species is presented, we are not recognizing subspecific or varietal divisions of this species. Recent evidence suggests that this species may be one of the parents of the tetraploid *Juncus articulatus*. *Juncus alpinus* hybridizes with *J. brevicaudatus* (= *J. alpiniformis* Hermann), *J. articulatus* (= *J. alpiniformis* Fernald), *J. nodosus* (= *J. nodosiformis* Fernald), and *J. torreyi* (= *Juncus* *xstuckeyi* Reinking)."

**Juncus antheratus* (Wiegand) R.E. Brooks [FNA22, HC2]

Novon. 9: 11. 1999.

giant path rush

Juncus macer Gray var. *antheratus* (Wiegand) F.J. Herm.

Juncus tenuis Willd. var. *antheratus* Wiegand

Can be confused with *J. tenuis*, but is much larger and has slightly smaller fruits (Brooks and Whittemore 1999).

**Juncus arcticus* Willd. [FNA22, HC, HC2]

Sp. Pl. 2: 206. 1799.

*ssp. *alaskanus* Hultén [HC2]

Fl. Alaska Yukon 3: 418. 1943

Juncus arcticus Willd. var. *alaskanus* (Hultén) S.L. Welsh [FNA22]

Juncus articulatus L. [FNA22, HC, HC2]

Sp. Pl. 1: 327. 1753.

joint-leaved rush, jointed rush

Juncus articulatus L. var. *obtusatus* Engelm.

Juncus articulatus L. var. *stolonifer* (Wohlleben) House
Juncus lampocarpus Ehrh. ex Hoffm.

ssp. *articulatus* [HC2, JPM2]

Sp. Pl. 1: 327. 1753.

jointed rush, jointleaf rush

A second subsp. is found in eastern Asia. FNA22: "Juncus articulatus hybridizes with *J. brevicaudatus* (= *J. xfulvescens* Fernald), *J. alpinus* (= *J. xalpiniformis* Fernald), *J. nodosus*, and *J. canadensis*. *Juncus articulatus* var. *obtusatus* Engelm. appears to be intermediate with *J. alpinus*. It has spreading inflorescence branches but obtuse inner tepals. This may represent a backcross with *J. alpinus*. Recent evidence suggests that *J. alpinus* is a polyploid species with *J. articulatus* as one of its parents."

Juncus balticus Willd. [HC, HC2]

Ges. Naturf. Freunde Berlin Mag. Neuesten Entdeck. Gesamten Naturk. 2: 298. 1809.

Baltic rush

(see also *Juncus breweri*)

Juncus arcticus Willd. var. *balticus* (Willd.) Trautv. [FNA22]

ssp. *ater* (Rydb.) Snogerup [HC2]

Preslia 74(3): 258. 2002.

Baltic rush, valley rush

Juncus balticus Willd. ssp. *balticus*, misapplied

Juncus balticus Willd. ssp. *littoralis* (Engelm.) Snogerup, misapplied

Juncus balticus Willd. var. *balticus* [HC], misapplied

Juncus balticus Willd. var. *littoralis* Engelm., misapplied

Juncus balticus Willd. var. *montanus* Engelm. [HC]

Juncus balticus Willd. var. *vallicola* Rydb. [HC]

Juncus vallicola (Rydb.) Rydb.

The use of *J. arcticus* to include *J. balticus* (as treated in FNA22) is not accepted by European authors.

Juncus biglumis L. [FNA22, HC, HC2]

Sp. Pl. 1: 328. 1753.

twin rush, two-flowered rush

Recently (2025) collected in Okanogan County.

Juncus bolanderi Engelm. [FNA22, HC, HC2]

2:436, 470. 1868.

Bolander's rush

Juncus bolanderi Engelm. var. *riparius* Jeps.

****Juncus brachycarpus*** Engelm. [FNA22, HC2]

Manual of Botany of the Northern United States (ed. 5). 542. 1867.

short-fruit rush

Juncus breweri Engelm. [HC2, IFBC]

Transactions of the Academy of Science of St. Louis 2: 440-441. 1866.

Brewer's rush, salt rush

Juncus lesueurii Bol. [FNA22, HC, HC2], misapplied

Juncus lesueurii orth. (misspelled, see Lint 1977, pp 149-150) The epithet *lescurii* was published by Bolander in 1862 as "leseurii", and indexed "lesueurii," both are typographical errors for the latinized version of Leo Lesquereaux, corrected under Article 73 of the ICBN to *lescurii*, which is how Bolander spelled the epithet in his 1870 catalogue of plants in the San Francisco area (Lint 1977). *Juncus lescurii* is endemic to the San Francisco area.

Juncus bryoides F.J. Herm. [FNA22, HC2]

Leaflets of Western Botany. 5: 117. 1948.

mosslike dwarf rush

***Juncus bufonius* L. [FNA22, HC, HC2]**

Sp. Pl. 1: 328. 1753.
toad rush

var. *bufonius* [HC2, JPM2]

Sp. Pl. 1: 328. 1753.
toad rush

FNA22: "Nearly worldwide, *Juncus bufonius* is found essentially throughout North America except north of the Alaskan and Canadian tTaiga. *Juncus bufonius* is a highly polymorphic complex that is poorly understood systematically. Insufficient evidence exists upon which to base the segregation of the plethora of taxa that have been recognized out of this group in the past."

***var. *congestus* Wahlb. [HC2, JPM2]**

Fl. Gothob. 38. 1820.
clustered toad rush

var. *occidentalis* F.J. Herm. [HC2, JPM2]

Madroño 25: 104. 1978.
western toad rush

Juncus sphaerocarpus Nees, misapplied

****Juncus bulbosus* L. [FNA22, HC2]**

Sp. Pl. 1: 327. 1753.
bulbous rush, spreading rush

Juncus kockii F.W. Schultz
Juncus supinus Moench [HC]

****Juncus canadensis* J. Gay ex Laharpe [FNA22, HC2]**

Essai Monogr. Jonc. 46. 1825.
Canadian rush

Juncus canadensis J. Gay ex Laharpe var. *longicaudatus* Engelm.
Juncus canadensis J. Gay ex Laharpe var. *sparsiflorus* Fernald
Juncus longicaudatus (Engelm.) Mack.
Juncus polycephalus Michx. var. *paradoxus* Torr.

FNA22: "Two varieties and two forms occurring within the flora have been recognized (M. L. Fernald 1945b). *Juncus canadensis* var. *sparsiflorus* has stiffly erect inflorescence branches, and the flowers are generally longer than those of var. *canadensis*. These varieties simply serve to give name to parts of the broad morphologic range of variation encountered in *J. canadensis* and do not appear to represent any distinct biological entities. *Juncus canadensis* and the following three species form a distinctive group: they have been variously treated as species (as here), varieties of *J. canadensis*, or as two species, *J. canadensis* and a polymorphic species, *J. brachysephalus*, encompassing the other three species (B. Boivin 1967--1979, part IV). Most of the species are easily recognized at their extremes but show a fair amount of overlap."

***Juncus castaneus* Sm. [FNA22, HC, HC2]**

Fl. Brit. 1: 383. 1800.
chestnut rush

ssp. *castaneus* [HC2]

****Juncus compressus* Jacq. [FNA22, HC2]**

Enumeratio Stirpium Pleraque, quae sponte crescung in agro Vindobonensi. 60, 235. 1762.
round-fruit rush

***Juncus confusus* Coville [FNA22, HC, HC2]**

Proceedings of the Biological Society of Washington. 10: 127. 1896.
Colorado rush

Juncus exilis Osterh.

****Juncus conglomeratus* L. [HC2]**

Sp. Pl. 1: 326. 1753.

compact rush

Juncus conglomeratus L. var. *subuliflorus* (Drejer) Asch. & Graebn.

Taxonomy follows Kirschner et al. (2002).

Juncus covillei Piper [FNA22, HC, HC2, JPM2]

Contributions from the U. S. National Herbarium. 11: 182. 1906.

Coville's rush

Juncus covillei Piper var. *covillei* [FNA22, HC]

Juncus covillei Piper var. *obtusatus* C.L. Hitchc. [FNA22, HC]

Juncus falcatus E. Mey. var. *paniculatus* Engelm.

Juncus falcatus E. Mey. var. *prominens* Buchenau

Juncus latifolius (Engelm.) Buchenau var. *paniculatus* (Engelm.) Buchenau

Juncus obtusatus Engelm., homonym (illegitimate)

****Juncus diffusissimus*** Buckley [FNA22, HC2]

Proceedings of the Academy of Natural Sciences of Philadelphia. 14: 9. 1862.

diffuse rush, slimpod rush

Juncus drummondii E. Mey. [FNA22, HC, HC2]

Flora Rossica. 4: 235. 1853.

Drummond's rush, threeflower rush

Juncus compressus Jacq. var. *subtriflorus* E. Mey.

Juncus drummondii E. Mey. var. *drummondii* [HC]

Juncus drummondii E. Mey. var. *longifructus* H. St. John

Juncus drummondii E. Mey. var. *subtriflorus* (E. Mey.) C.L. Hitchc. [HC]

Juncus pauperculus Schwarz

Juncus subtriflorus (E. Mey.) Coville

FNA22: "Plants with capsules distinctly longer than the perianth have been referred to as *Juncus drummondii* var. *subtriflorus*. Those plants frequently occur sympatrically with *J. drummondii* (strict sense) through most of its range, leaving considerable doubt as to the value of recognizing such variation."

Juncus dudleyi Wiegand [FNA22, HC2]

Bulletin of the Torrey Botanical Club. 27: 524. 1900.

Dudley's rush

Juncus tenuis Willd. var. *dudleyi* (Wiegand) F.J. Herm. [HC]

Juncus tenuis Willd. var. *uniflorus* Farw.

Juncus effusus L. [FNA22, HC, HC2]

Sp. Pl. 1: 326. 1753.

common rush, Pacific rush, soft rush

(see also *Juncus laccatus*)

*ssp. ***effusus*** [HC2]

Sp. Pl. 1: 326. 1753.

soft rush

Juncus effusus L. var. *compactus* Lej. & Courtois [HC]

Juncus effusus L. var. *effusus*

Juncus effusus L. var. *subglomeratus* DC.

Taxonomy follows Kirschner et al. (2002). A common introduction on both the east and west sides of the Cascades.

ssp. ***pacificus*** (Fernald & Wiegand) Piper & Beattie [HC2]

Brittonia 55(2): 152. 2003.

Pacific rush

Juncus effusus L. var. *pacificus* Fernald & Wiegand [HC]

Taxonomy follows Zika (2003). The common native in western lowland WA, with a disjunct population in the Blue Mountains area.

*ssp. *solutus* (Fernald & Wiegand) Hämet-Ahti [HC2]

Ann. Bot. Fenn. 17: 188. 1980.

eastern soft rush

Juncus effusus L. var. *solutus* Fernald & Wiegand

Juncus ensifolius Wikstr. [FNA22, HC, HC2, JPM2]

Kongl. Vetenskaps Academiens Handlingar. 2: 274. 1823.

dagger rush, daggerleaf rush

(see also *Juncus saximontanus*)

Juncus ensifolius Wikstr. var. *ensifolius* [FNA22, HC]

Juncus exiguus (Fernald & Wiegand) Lint ex Snogerup & Zika [HC2]

Klamath rush, weak rush

Juncus falcatus E. Mey. [FNA22, HC, HC2]

Syn. Luzul. 34. 1823.

sickle-leaved rush

ssp. *sitchensis* (Buchenau) Hultén [HC2, JPM2]

Acta Univ. Lund. 2, 39, no. 1: 427. 1943.

Alaskan sickle-leaved rush

Juncus falcatus E. Mey. ssp. *falcatus*, misapplied

Juncus falcatus E. Mey. var. *falcatus* [FNA22], misapplied

Juncus falcatus E. Mey. var. *sitchensis* Buchenau [FNA22, HC]

Juncus menziesii R. Br. ex Hook.

Typical subsp. *falcatus* is native on the coast of central California and in se Australia.

Juncus filiformis L. [FNA22, HC, HC2]

Sp. Pl. 1: 326. 1753.

thread rush

Juncus gerardi Loisel. [HC2]

J. Bot. (Desvaux) ii. (1809) 284. 1809.

black rush, mud rush

Juncus bulbosus L. var. *gerardii* (Loisel.) A. Gray

Juncus gerardii Loisel. [FNA22, HC], orthographic variant

ssp. *gerardi* [HC2]

black grass, Gerard's rush, mud rush

Juncus fucensis H. St. John

Juncus gerardii Loisel. ssp. *gerardii* [JPM2], orthographic variant

Juncus gerardii Loisel. var. *gerardii* [KZ99], orthographic variant

Juncus gerardii Loisel. var. *pedicellatus* Fernald [KZ99]

The correct spelling of the epithet is the original "gerardi" and not "gerardii." See IPNI

Juncus hallii Engelm. [FNA22, HC, HC2]

Hall's rush

Juncus hemiendytus F.J. Herm. [FNA22, HC, HC2, Peck]

Leaflets of Western Botany. 5: 118. 1948.

dwarf rush

var. *abjectus* (F.J. Herm.) Ertter [FNA22, HC2]

Memoirs of the New York Botanical Garden. 39: 76. 1986.

center basin rush, least rush

Juncus abjectus F.J. Herm. [HC]

var. *hemiendytus* [FNA22, HC2]

Leaflets of Western Botany. 5: 118. 1948.

dwarf rush, Hermann's dwarf rush

Juncus brachystylus (Engelm.) Piper var. *uniflorus* (Engelm.) M. Peck
Juncus triformis Engelm. var. *uniflorus* Engelm.

Juncus hesperius (Piper) Lint [HC2]

Preslia 74(3): 262. 2002.
bog rush, coastal rush

Juncus effusus L. var. *bruneus* Engelm. [JPM]

Juncus howellii F.J. Herm. [FNA22, HC, HC2]

Leaflets of Western Botany. 5: 182. 1949.
Howell's rush

reported for Washington by WNHP

****Juncus inflexus*** L. [FNA22, HC2]

Sp. Pl. 1: 326. 1753.
blue rush

Juncus glaucus Ehrh. ex Sibth.

Recently (2017) collected in Klickitat County.

*ssp. *inflexus* [HC2]

blue rush

Juncus interior Wiegand [FNA22, HC, HC2]

Bulletin of the Torrey Botanical Club. 27: 516. 1900.
inland rush

Juncus interior Wiegand var. *interior* [KZ99]

Juncus tenuis Willd. var. *arizonicus* (Wiegand) F.J. Herm. [KZ99]

Juncus tenuis Willd. var. *neomexicanus* (Wiegand) F.J. Herm. [KZ99]

Juncus kelloggii Engelm. [FNA22, HC, HC2]

Trans. Acad. Sci. St. Louis ii. (1868) 494. 1868.
Kellogg's rush

(see also *Juncus hemiendytus* var. *hemiendytus*, *Juncus uncialis*)

Juncus triformis Engelm. var. *brachystylus* Engelm.

Juncus laccatus Zika [HC2]

Preslia 74(3): 261-263. 2002.
shiny rush
(see also *Juncus hesperius*)

Juncus effusus L. var. *gracilis* Hook. [HC]

Juncus longistylis Torr. [FNA22, HC, HC2]

Report on the United States and Mexican Boundary Survey, ... 2(1): 223. 1859.
long-styled rush

Juncus longistylis Torr. var. *longistylis* [KZ99]

****Juncus marginatus*** Rostk. [FNA22, HC2]

de Junco. 38, plate 2, fig. 3. 1801.
grass rush

Juncus mertensianus Bong. [FNA22, HC, HC2]

Mém. Acad. Imp. Sci. St.-Pétersbourg, Sér. 6, Sci. Math. 2: 167. 1833.
Mertens' rush

Juncus duranii Ewan

Juncus mertensianus Bong. var. *duranii* (Ewan) F.J. Herm.

Juncus mertensianus Bong. var. *filifolius* Suksd.

Juncus slwookoorum S. Young

FNA22: "This species passes into *Juncus nevadensis* and has often been combined with that species (F. J. Hermann 1964). The two species can generally be separated, and we are following those treatments (F.

J. Hermann 1975; A. Cronquist et al. 1972+, vol. 6)."

Juncus mexicanus Willd. ex Schult. & Schult. f. [HC2]

Syst. Veg. 7(1): 178. 1829

Mexican rush

Juncus arcticus Willd. var. *mexicanus* (Willd. ex Schult. & Schult. f.) Balslev [FNA22]

Juncus nevadensis S. Watson [FNA22, HC, HC2]

Proceedings of the American Academy of Arts and Sciences. 14: 303. 1879.

Nevada rush

var. *inventus* (L.F. Hend.) C.L. Hitchc. [HC, HC2, JPM2]

Vasc. Pl. Pacif. N. W. [C.L. Hitchcock & al.] 1: 201. 1969.

dune rush, Oregon rush

Recently collected on Vancouver Island and on the outer coast of Washington.

var. *nevadensis* [HC, HC2]

Proceedings of the American Academy of Arts and Sciences. 14: 303. 1879.

Nevada rush, Sierra rush

Juncus badius Suksd. [Abrams]

Juncus columbianus Coville [Peck]

Juncus nevadensis S. Watson var. *badius* (Suksd.) C.L. Hitchc. [HC]

Juncus nevadensis S. Watson var. *columbianus* (Coville) H. St. John [HC]

Juncus nodosus L. [FNA22, HC, HC2]

Sp. Pl., ed. 2. 1: 466. 1762.

knotted rush, tuberous rush

Juncus nodosus L. var. *meridionalis* F.J. Herm.

Juncus nodosus L. var. *nodosus* [KZ99]

Juncus rostkovii E. Mey.

Juncus occidentalis (Coville) Wiegand [FNA22, HC2]

Bulletin of the Torrey Botanical Club. 27: 521. 1900.

western rush

Juncus tenuis Willd. var. *congestus* Engelm. [HC]

Juncus tenuis Willd. var. *occidentalis* Coville

A west-side equivalent of *J. confusus*, often misidentified as *J. tenuis*, but differing in its retuse capsules and brown-striped tepals, and found in wetter habitats (Coville 1896; Wiegand 1900).

Juncus orthophyllus Coville [FNA22, HC, HC2]

Contributions from the U. S. National Herbarium. 4: 207. 1893.

straight-leaved rush

Juncus latifolius (Engelm.) Buchenau

Juncus longistylis Torr. var. *latifolius* Engelm.

Juncus oxymeres Engelm. [FNA22, HC, HC2]

Transactions of the Academy of Science of St. Louis 2:483. 1868.

pointed rush

Juncus acutiflorus Benth.

Juncus parryi Engelm. [FNA22, HC, HC2]

Transactions of the Academy of Science of St. Louis 2: 446-447. 1866.

Parry's rush

Juncus drummondii E. Mey. var. *parryi* (Engelm.) M.E. Jones

Juncus hallii Engelm. [FNA22, HC, HC2], misapplied

Juncus patens E. Mey. [FNA22, HC, HC2]

Syn. Luzul. 28. 1823.

spreading rush

**Juncus pelocarpus* E. Mey. [FNA22, HC2]

Syn. Luzul. 30. 1823.
brown-fruited rush

Juncus abortivus Chapm.

Juncus pelocarpus E. Mey. var. *crassicaudex* Engelm.

Juncus pelocarpus E. Mey. var. *sabulonensis* H. St. John

**Juncus planifolius* R. Br. [HC2]

flat-leaved rush, New Zealand rush

**Juncus pylaei* Laharpe [HC2]

Essai Monogr. Jonc. 31. 1825.
common rush

Juncus regelii Buchenau [FNA22, HC, HC2]

Botanische Jahrbucher fur Systematik, Pflanzengeschichte und Pflanzengeographie. 12: 414. 1890.
Regel's rush

Juncus jonesii Rydb.

Juncus saximontanus A. Nelson [HC2, JPM2]

Bull. Torrey Bot. Club 29(6): 401. 1902.
Rocky Mountain rush

Juncus ensifolius Wikstr. var. *brunnescens* (Rydb.) Cronquist [IMF6]

Juncus ensifolius Wikstr. var. *montanus* (Engelm.) C.L. Hitchc. [FNA22, HC]

Juncus tracyi Rydb. [HC, KZ99]

**Juncus squarrosus* L. [FNA22, HC2]

Sp. Pl. 1: 327. 1753.
heath rush

Juncus stygius L. [FNA22, HC2]

Syst. Nat. ed. 10. 2: 987. 1759.
bog rush

Juncus supiniformis Engelm. [FNA22, HC, HC2]

Transactions of the Academy of Science of St. Louis 2: 461-462. 1868.
hair-leaved rush, spreading rush

Juncus oregonus S. Watson [Abrams]

Juncus paucicapitatus Buchenau

FNA22: "The northern California and southern Oregon populations (*Juncus supiniformis* in the strict sense) form long filiform leaves before flowering, are shorter, and have smaller flowers than the northern populations. Except for the filiform leaves, the variation in sizes appears to follow a rough latitudinal cline with the largest plants and largest flowers in Alaska. Flowers of *Juncus supiniformis* often form bulbils."

Juncus tenuis Willd. [FNA22, HC, HC2]

Sp. Pl. 2(1): 214. 1799.
path rush, poverty rush, slender rush
(see also *Juncus dudleyi*, *Juncus occidentalis*)

Juncus bicornis Michx.

Juncus macer Gray

Juncus tenuis Willd. var. *bicornis* (Michx.) E. Mey.

Juncus tenuis Willd. var. *multicornus* E. Mey.

Juncus tenuis Willd. var. *tenuis* [HC]

Juncus tenuis Willd. var. *williamsii* Fernald

FNA22: "*Juncus tenuis* occurs throughout North America. It is particularly abundant in northeastern United States and eastern Canada, although infrequent in the south and west. Through the use of isozyme electrophoresis, hybridization can be demonstrated between various members of the *Juncus tenuis* complex, including *Juncus tenuis*, *J. anthelatus*, *J. interior*, *J. secundus*, and *J. dichotomus* (R. E. Brooks, unpubl.). *Juncus xxoronensis* is thought to be a hybrid between *J. tenuis* and *J. vaseyi* in the northeast."

Juncus tiehmii Ertter [FNA22, HC2]

Memoirs of the New York Botanical Garden. 39: 60, figs. 13f?g, 14. 1986.
Tiehm's dwarf rush

Juncus torreyi Coville [FNA22, HC, HC2]

Bulletin of the Torrey Botanical Club. 22:303. 1895.
Torrey's rush

Juncus megacephalus (Torr.) Alph. Wood
Juncus nodosus L. var. *megacephalus* Torr.

Juncus triglumis L. [FNA22, HC, HC2]

Sp. Pl. 1: 328. 1753.
three-flowered rush

Juncus triglumis L. var. *albescens* Lange [FNA22, HC]
Juncus triglumis L. var. *triglumis* [FNA22]

Juncus trilocularis Zika [HC2]

Rhodora 114(959):309-329. 2012.
foothill rush

Juncus brachyphyllus Wiegand [FNA22, HC], misapplied

Juncus tweedyi Rydb. [WTU]

Mem. New York Bot. Gard. 1: 90. 1900.
narrow-panicked rush

Juncus brevicaudatus (Engelm.) Fernald
Juncus canadensis J. Gay ex Laharpe var. *brevicaudatus* Engelm.
Juncus canadensis J. Gay ex Laharpe var. *coarctatus* Engelm.
Juncus canadensis J. Gay ex Laharpe var. *kuntzei* Buchenau
Juncus kuntzei (Buchenau) Vierh.

This species is primarily distributed east of the Mississippi River, from Minnesota to Newfoundland, south to Tennessee. Disjunct populations are known from interior and coastal western North America. The coastal populations are typically associated with cranberry cultivation.

Juncus uncialis Greene [FNA22, HC, HC2]

Pittonia. 2: 105. 1890.
inch-high rush

Juncus vaseyi Engelm. [FNA22, HC, HC2]

Trans. Acad. Sci. St. Louis 2: 448. 1866.
Vasey's rush

Luzula [FNA22, HC, HC2]

Fl. France, ed. 3. 1: 198; 3: 158. 1805.
[name conserved]
woodrush

Luzula arcuata (Wahlenb.) Sw. [FNA22, HC, HC2]

Summa Veg. Scand. 13. 1814.
curved woodrush

ssp. *unalaschkensis* (Buchenau) Hultén [FNA22, HC2]

Arkiv for Botanik utgivet av K. Svenska Vetenskapsakademien. n.s. 7:32. 1968.
curved woodrush

Luzula arcuata (Wahlenb.) Sw. ssp. *unalaschkensis* (Buchenau) Hultén [FNA22], orthographic variant
Luzula arcuata (Wahlenb.) Sw. var. *kamtschadalarum* Sam.
Luzula arcuata (Wahlenb.) Sw. var. *unalaschkensis* Buchenau [VPPNW1]
Luzula beringensis Tolmachev
Luzula kamtschadalarum (Sam.) Gorodkov
Luzula unalaschkensis (Buchenau) Satake, orthographic variant
Luzula unalaschkensis (Buchenau) Satake ssp. *kamtschdalarum* (Sam.) Tolmachev

FNA22: "In *Luzula arcuata* subsp. *unalaschkensis* the sheath throats are rounded and densely pilose; basal leaves are flat with pubescent margins."

**Luzula campestris* (L.) DC. [FNA22, HC, HC2]

Fl. France, ed. 3. 3: 161. 1805.

field woodrush

(see also *Luzula cascadiensis*, *Luzula comosa*, *Luzula macrantha*, *Luzula multiflora*, *Luzula subsessilis*)

Juncus campestris L.

FNA22: "*Luzula campestris* may occur rarely elsewhere in Canada and the United States in lawns and cleared places (collected in Massachusetts in the 1920s). A common European species, the name is used in our floras for almost every species of the "multiflora--campestris" complex."

*ssp. *campestris* [HC2]

In J. Lamarck and A. P. de Candolle, Fl. France, ed. 3. 3: 161. 1805.

field woodrush

Luzula cascadiensis Zika [HC2]

Phytotaxa 192(4): 204. 2015.

Cascades woodrush

Luzula comosa E. Mey. [FNA22, HC2]

Syn. Luzul. 21. 1823.

Pacific woodrush

Luzula congesta (Thuill.) Lej., misapplied

var. *comosa* [HC2, JPM2]

pale woodrush

Luzula campestris (L.) DC. var. *congesta* (Thuill.) E. Mey. [HC], misapplied

Luzula multiflora (Ehrh.) Lej. ssp. *congesta* Hyl., misapplied

Luzula multiflora (Ehrh.) Lej. var. *comosa* (E. Mey.) H. St. John [Peck]

Luzula multiflora (Ehrh.) Lej. var. *congesta* W.D.J. Koch, misapplied

var. *laxa* Buchenau [HC2, JPM2]

Pflanzenr. (Engler) 4, Fam. 36: 83. 1906.

Pacific woodrush

**Luzula forsteri* (Sm.) DC. [HC2]

Syn. Pl. Fl. Gall. 150. 1806.

southern woodrush

*ssp. *forsteri* [HC2]

southern woodrush

Luzula hitchcockii Hämet-Ahti [FNA22, HC, HC2]

Annales Botanici Fennici. 8: 368. 1971.

Hitchcock's woodrush, smooth woodrush

Luzula glabrata (Hoppe ex Rostk.) Desv., misapplied

Luzula glabrata (Hoppe ex Rostk.) Desv. var. *hitchcockii* (Hämet-Ahti) Dorn [KZ99]

FNA22: "Although *Luzula hitchcockii* has been reported from California, no convincing specimens have been seen by this author. The species resembles the European *L. glabrata* (Hoppe) Desvaux very closely; however, it is readily distinguished from all other North American species. Plants may be heavily infested with *Ustilago vujickii* Oudemans. and Beijerinck. complete last names??, which considerably alters their usual appearance."

Luzula macrantha (S. Watson) Zika & B.L. Wilson [HC2]

Phytotaxa 192(4): 217. 2015.

large-anthered woodrush, large-flowered woodrush, prairie woodrush

Luzula multiflora (Ehrh.) Lej. [FNA22, HC2]

Flore des Environs de Spa. 1: 169. 1811.

common woodrush

Luzula campestris (L.) DC. var. *frigida* Buchenau [HC]
Luzula campestris (L.) DC. var. *multiflora* (Ehrh.) ?elak. [HC]
Luzula multiflora (Ehrh.) Lej. ssp. *frigida* (Buchenau) V.I. Krecztowicz [FNA22], misapplied
Luzula multiflora (Ehrh.) Lej. ssp. *frigida* (Buchenau) V.I. Krecztowicz [FNA22]
Luzula multiflora (Ehrh.) Lej. ssp. *multiflora* [FNA22]
Luzula multiflora (Ehrh.) Lej. var. *multiflora* [KZ99]

The most common meadow species in WA, montane or lowlands.

****Luzula nivea* (L.) DC. [HC2]**

Fl. Franc. (DC. & Lamarck), ed. 3. 3: 158. 1805.

snowy woodrush

Juncus niveus L.

Rarely spreading from garden plantings in King Co. Native to the Alps, often on calcareous soils, and here found reseeding into cracks in concrete sidewalks. Note that authorship (Nathh.) DC is incorrect. From Werner Greuter: "I assume that the (erroneous!) date 1756 refers to publication of the original Linnean Thesis (defended by Nathhorst), which following Rothmaler's "rediscovery" of these theses has often been accepted as the place of valid publication for the included new names. See Art. 33 Ex. 1 for the rationale for rejecting the 1756 date. "

***Luzula orestera* Sharsm. [FNA22, HC2]**

Aliso. 4: 125. 1958.

alpine woodrush

***Luzula parviflora* (Ehrh.) Desv. [FNA22, HC, HC2]**

J. Bot. (Desvaux). 1: 144. 1808.

small-flowered woodrush

(see also *Luzula piperi*)

Juncus parviflorus Ehrh.

Luzula divaricata S. Watson [FNA22, HC, HC2], misapplied

Luzula fastigiata E. Mey. [KZ99]

Luzula parviflora (Ehrh.) Desv. ssp. *fastigiata* (E. Mey.) Hämet-Ahti [KZ94]

Luzula parviflora (Ehrh.) Desv. ssp. *melanocarpa* (Michx.) Hämet-Ahti

Luzula parviflora (Ehrh.) Desv. var. *melanocarpa* (Michx.) Buchenau [Peck]

FNA22: "The base of the culm of *Luzula parviflora* is often reddish and often distinctly so at the proximal internodes."

***Luzula piperi* (Coville) M.E. Jones [FNA22, HC, HC2]**

Bull. Biol. Ser. Bull. State Univ. Montana. 15: 22. 1910.

Piper's woodrush

Juncoides piperi Coville

Luzula wahlenbergii Rupr. [FNA22], misapplied

Luzula wahlenbergii Rupr. ssp. *piperi* (Coville) Hultén

***Luzula spicata* (L.) DC. [FNA22, HC, HC2]**

Fl. France, ed. 3. 1: 161. 1805.

spiked woodrush

Juncus spicatus L.

ssp. *spicata* [HC2]

In J. Lamarck and A. P. de Candolle, Fl. France, ed. 3. 1: 161. 1805.

spiked woodrush

FNA22: "The culms of *Luzula spicata* are thick and reddish with bases extending 1--8 cm into the soil; sheath throats are densely hairy; basal leaves are erect, linear, and channeled; inflorescence bracts are conspicuous and often exceed glomerules; and bracteoles have narrow and extended apices."

***Luzula subsessilis* (S. Watson) Buchenau [HC2, IFBC]**

Oesterreichische Botanische Zeitschrift 48: 290. 1898.

short-stalked wood-rush

Often confused with *L. comosa*.

**Luzula sylvatica* (Huds.) Gaudin [HC2]

Agrost. Helv. 2: 240. 1811.

great woodrush

A rare and local escape from ornamental plantings. If the subspecies are recognized, ours is the subsp. *sylvatica*.