

***Lycopodium dendroideum* Michx.**

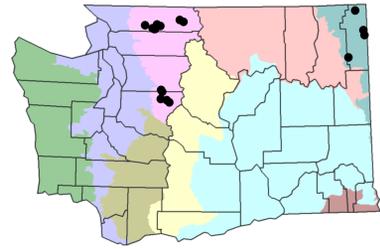
synonym: *Lycopodium obscurum* L. (misapplied),
Lycopodium obscurum L. var. *dendroideum* (Michx.) D.C.
Eaton

treelike clubmoss

Lycopodiaceae - clubmoss family

status: State Sensitive, BLM sensitive, USFS sensitive

rank: G5 / S2



General Description: Adapted from Flora of North America (1993+): Rhizomatous perennial. Upright shoots treelike in shape, with numerous, strongly differentiated branchlets. Lower stem leaves are spreading, prickly, 3.5-4 x 0.9-1 mm. Side branchlets round in cross section. Leaves spreading to ascending, in 6 ranks (2 upperside, 2 lateral, 2 underside) or sometimes in whorls of 4, equal in size, linear, 2.4-5.5 x 0.5-1.2 mm, margins entire, tip pointed.

Reproductive Characteristics: Spore-bearing conelike structures sessile, 1-7 on tip of upright shoot, 12-55 mm long. Sporophylls 3.5 x 3.5 mm. Produces spores June to July.

Identification Tips: *Lycopodium annotinum*, *L. clavatum*, and *Lycopodiella inundata* have leafy horizontal stems along the surface of the ground. *Lycopodium complanatum* has horizontal stems either on the surface or shallowly buried and flat branchlets with 4-ranked, overlapping leaves.

Range: Asia, most of Canada, AK, south to WA, ID, WY, SD, and the northeastern and midwestern U.S.

Habitat/Ecology: Rock outcrops, talus, or boulder fields; often with a significant moss and organic debris layer. Ground or shrub cover may be dense. The species tolerates a range of light conditions. Some sites are in the ecotone between a meadow or wetland and adjacent forest. Associated species include western hemlock (*Tsuga heterophylla*), vine maple (*Acer circinatum*), rusty menziesia (*Menziesia ferruginea*), huckleberry (*Vaccinium* spp.), western teaberry (*Gaultheria ovatifolia*), stiff clubmoss (*Lycopodium annotinum*), groundcedar (*L. complanatum*), and twinflower (*Linnaea borealis*). Elevations in WA: 240-1100 m (800-3650 ft).

Comments: This taxon is easily damaged by physical disturbance; threats include timber harvest and recreational activities that lead to trampling. It is rare in several states and the Yukon.

References: Flora of North America 1993+, vol. 2; Hickey 1977; Lellinger 1985.

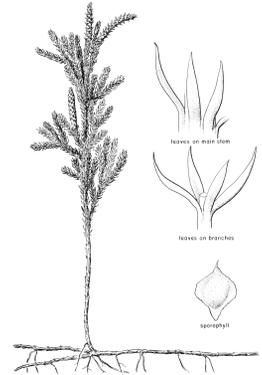


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