

## Matchmaker: Mushrooms of the Pacific Northwest

Below are written descriptions and images of fruiting bodies, mushrooms, of the fungal species in this ectomycorrhizal association. The information is from the web version of the Matchmaker: Mushrooms of the Pacific Northwest (MMPNW) created by the Canadian Forest Service and based on the Windows MMPNW version 1.3 by Ian and Eli Gibson.

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**LATIN NAME(S)** *Lyophyllum semitale* (Fr.) Kuehner Bull. Soc. Linn. Lyon 7: 211. 1938; *Tricholoma semitale* (Fr.) Ricken; *Collybia semitale* (Fr.) Quelet

**NOTES** features include hygrophanous gray brown to dark brown bald moist cap, blackening flesh, pale brownish to grayish gills that blacken where bruised, pale gray fibrillose stem, rancid-farinaceous odor and taste, and elongate spores; common in western mountains, but also found elsewhere in Pacific Northwest, Kauffman lists for OR, Breitenbach & Kranzlin illustrate from Europe

**CAP** (3)4-10cm, convex to expanded-umbonate, stains dark gray to black eventually where injured; bald, opaque where moist, (Smith), 2.5-8cm, convex to depressed; hygrophanous, gray brown to dark bistre brown when moist, drying gray; bald, translucent-striate at margin, (Hansen), 5-7cm, brown-black, drying gray-blackish; moist, (Moser), fuliginous (Clemencon)

**FLESH** blackening

**GILLS** adnate to somewhat decurrent, close; gray at first, staining yellowish then bluish and finally black, (Smith), pale brownish to grayish, blackening where bruised, (Hansen), pale gray becoming black-spotted, blackening when pressed, (Moser), pallid or grayish (Clemencon)

**STEM** 6-10cm x 0.9-1.5cm, pale gray, longitudinally striate and/or fibrillose, (Smith), 4-9cm x 0.3-1.5cm, cylindrical, soon hollow; whitish then grayish; fibrillose, base with white tomentum, (Hansen), 5-9cm x 0.8-1.5cm, +/- cap-colored; fibrous-cracking, (Moser)

**ODOR** farinaceous (Smith), rancid (Moser)

**TASTE** farinaceous (Smith), rancid (Moser)

**HABITAT** gregarious or in small clusters under conifers (Smith), solitary or gregarious in coniferous forests (Hansen), coniferous woods (Moser)

**SPORE DEPOSIT** presumably whitish

**MICROSCOPIC** spores 7-9 x 4-4.5 microns clamp connections present, (Smith), spores 6.5-9.5 x 3.5-5 microns, elliptic with attenuated base and suprahilar flattening or depression, (Hansen), 8-9 x 4-4.5 microns, spindly-elliptic, (Moser), spores predominant

**NAME ORIGIN** means 'of footpath'

**SIMILAR** *chamaeleon* also has gills that stain yellowish then bluish, but according to descriptions here, *chamaeleon* tends not to stain as darkly finally, and cap is not translucent striate

**SOURCES** Smith(6), Hansen, L.(2), Moser(1), Clemencon, Clemencon(2), Breitenbach(3), Kauffman(5) (as *Collybia*)

**FAMILY** Tricholomataceae of Order Agaricales