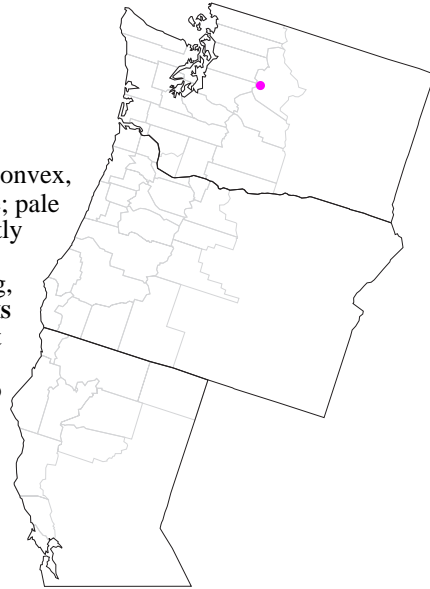


***Boletus haematinus*** Thiers & HallingROD name *Boletus haematinus*

Family Boletaceae

Morphological Habit Bolete

**Description:** **PILEUS** 110-160 (-250) mm diam, broadly convex or plano-convex, surface dry, glabrous becoming appressed-fibrillose to rimose-areolate in age; pale brown overall when young, developing darker brown areoles in age, frequently with red tints along margin. **CONTEXT** yellow to pale yellow, blueing upon exposure. **ODOR AND TASTE** mild. **TUBES** 10-15 mm long, yellow when young, becoming green-yellow to olive in age, blueing upon exposure. **TUBE MOUTHS** bright yellow when young, but soon becoming pale red to dark red in age but nearly always remain yellow near the pileus margin, blueing where bruised. **STIPE** 50-110 x 45-70 mm, clavate, dry, upper half finely reticulate, yellow to pale yellow overall. **PILEPELLIS** composed of tangled repent hyphae 4.5-7.5  $\mu$ m diam, hyaline to pale ochraceous in KOH, heavily encrusted. **BASIDIA** 4-spored. **CYSTIDIA** 40-45 x 7.5-9  $\mu$ m, obclavate to ventricose-rostrate, hyaline. Hymenium inamyloid. **CLAMP CONNECTIONS** absent. **SPORES** subfusoid, 12-15 x 6-7.5  $\mu$ m, inequilateral, smooth, brown to olive brown spore print.



**Distinguishing Features:** Characterized by the pale brown cap; pale yellow context that stains blue; tube mouths that are yellow when young and become red to dark red in age but nearly always remain yellow near the cap margin; a finely reticulate, clavate, pale yellow stipe; and an inamyloid hymenium. *Boletus santanus* Lenz is similar but has pink and gray tones to the cap, pink pores when young and a broadly bulbous stem.

**Distribution:** Endemic to California and Washington. Known from a single site within the range of the northern spotted owl: **WASHINGTON**, Chelan Co., Wenatchee National Forest, Smiths Brook, 0.5 mile east of Steven's Pass. It was originally described from Yuba Pass, **Sierra Co., CALIFORNIA** but this site has been severely impacted from logging and extirpation of this taxon at this site is likely. There are at least 12 other collections known from California but all these sites are outside the assessment area. Not known from Oregon.

**Substrate and habitat:** Sporocarps are scattered to gregarious, occasionally subcaespitose, in association with the roots of *Abies* spp., particularly, *A. magnifica* in the Sierra Nevada mountains, *A. lasiocarpa* in Washington and appears to be limited in distribution to subalpine forests. This habitat type is typically cool and wet.

**Season:** Fruits from August through October.

**Reference:** THIERS, H. D., AND HALLING, R. E. 1976. California boletes V. Two new species of *Boletus*. Mycologia 68:976-983.



Photo courtesy of D. Arora