

*Gomphus clavatus* (Persoon:Fries) S.F. Gray

**ROD name** *Gomphus clavatus*

**Family** Gomphaceae

**Morphological Habit** chanterelle

**Description:** **SPOROCARP** up to 15 cm tall. **CAP** surface flat, somewhat wavy, depressed to concave, crenate at margin, macroscopically smooth, covered with minute anastomosing patches of brownish hyphae separate and distinct toward the margin, but becoming a solid felty tomentum over the top, brown to yellow-olive. **SPORE-BEARING TISSUE** undulate-rugose to rugose, with or without discrete folds or pits, bright violaceous at the margin and junction with stem, and all over when immature, becoming covered with spores and duller in color. **STEM** solid, white at base and where protected, smooth above and there blending to pale dull violaceous, often bruising pale brown where handled. **ODOR** faintly earthy or none. **TASTE** musty. **CAP** surface a turf of pileocystidia 3.0-4.5  $\mu\text{m}$  in diam., thin walled, densely scattered to fasciculate, protruding 50-120  $\mu\text{m}$  from the surface, simple to commonly axially branched. **BASIDIA** 60-90 x 8.5-11.5  $\mu\text{m}$ , elongate-clavate, hyaline, (2) 4 spored. **STERIGMATA** up to 8  $\mu\text{m}$  long. **CYSTIDIA** absent. **CLAMP CONNECTIONS** present. **SPORES** ellipsoid to narrowly ovoid, (9.8-) 10.3-15.5 (-16.8) x 4.3-7.0 (-7.5)  $\mu\text{m}$ , near dark olive-tan, somewhat thick walled, inamyloid, ornamentation of scattered warts.

**Distinguishing Features:** Characterized by a combination of olive and violet tones, flat cap surface, not concave to infundibuliform, and its solid flesh.

**Distribution:** Widely distributed across northern temperate forests in North America and Europe.

**CALIFORNIA.** **Del Norte** Co., Crescent City; Jediah Smith Redwoods State Park, Crescent City; **Mendocino** Co., Jackson State Forest, Aleuria Glen; **Siskiyou** Co., Klamath National Forest (KNF), Cub Creek, near Marble Mountain Wilderness; KNF, Marble Mountain Wilderness, Haypress trail; **OREGON,** **Benton** Co., Siuslaw National Forest (SNF), Mary's Peak Scenic Botanical Area, Mary's Peak, Chintimini Creek; BLM, Marys Peak Resource Area, end of Hairy Mountain Rd.; **Clackamas** Co., Mount Hood National Forest (MHNF), Clackamas River Ranger District, south fork of Eagle Creek; MHNF, Buck Creek; MHNF, east fork of Salmon River; MHNF, Still Creek; Wemme; **Columbia** Co., Bureau of Land Management (BLM), Tillamook Resource Area, west of Scappose Creek; **Coos** Co., South Slough Estuarine Research Reserve; **Curry** Co., 1.6 km west of Quail Prairie Mountain; **Douglas** Co., Umpqua National Forest (UNF), 4.8 km west of Clayton Point; UNF, near Umpqua Hot Springs; UNF, east of Willow Flats; UNF, north of Emile Shelter; UNF, northwest of Snowbird Shelter; BLM, South River Resource Area, Wolf Creek; BLM, Swiftwater Resource Area, Gallagher Canyon; **Jackson** Co., BLM, Butte Falls Resource Area, 1.6 km northwest of Blue Goose Spring; BLM, Butte Falls Resource Area, Blue Goose Spring; **Klamath** Co., BLM, Klamath Falls Resource Area, 2 km southwest of Aspen Butte; Winema National Forest, near Yellow Jacket Spring; **Lane** Co., Willamette National Forest (WNF), 3.2 km southeast of Indigo Springs; WNF, Belknap Springs; WNF, Horse Creek Camp; WNF, Mill Creek; WNF, Lookout Point Reservoir; SNF, Woahink Lake trail; UNF, Wyatt Creek; UNF, 4 km southwest of Mount June; UNF, Dinner Ridge, 3.2 km east of Rose Hill; **Lincoln** Co., Newport; **Linn** Co., WNF, 2.4 km southeast of Potato Hill; BLM, Cascades Resource Area, 4.8 km northwest of Snow Peak; WNF, Lost Prairie campground; WNF, near Lava Lake Sno-Park; **Yamhill** Co., BLM, Tillamook Resource Area, 0.8 km north of Stoney Mountain; BLM, Tillamook Resource Area, 1.2 km south of Bald Mountain; **WASHINGTON,** **Clallam** Co., Olympic National Park (ONP), Lake Crescent; ONP, Mount Angeles; Morse Creek Camp; **Jefferson** Co., ONP, Hoh River trail, Hoh rain forest on mossy ground; **King** Co., Enumclaw, Greenwater River area near state park, about 32.2 km east of Enumclaw; Green River area; **Lewis** Co., Mount Rainier National Park (MRNP), 4 km south of Stevens Canyon entrance; **Mason** Co., Olympic National Forest, Olympic Mountains, Lake Cushman; **Pierce** Co., MRNP, Longmire; MRNP, Lower Tahoma Creek; MRNP, Nisqually River; **Skamania** Co., Gifford Pinchot National Forest (GPNF), Pacific Crest Trail west of Trout Creek; GPNF, Trapper Creek Wilderness trailhead, Rock Creek; GPNF, T.T. Munger Research Natural Area, Trout Creek Hill; **Snohomish** Co., Mount Baker-Snoqualmie National Forest, Sloan Creek trail; **Yakima** Co., MRNP, Bumping Lake.

**Substrate and Habitat:** Closely gregarious to caespitose, partially hidden in deep humus in coniferous forests.

**Season:** Autumn.

**References:** Petersen, R.H. 1971. The genera *Gomphus* and *Gloeocantharellus* in North America. Vaduz, Germany: J. Cramer Verlag. 114 p. Arora, D. 1986. Mushrooms demystified. Berkeley, CA: Ten Speed Press. 959 p.

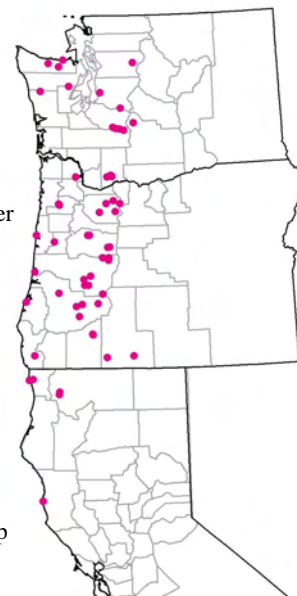


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