

Gomphus kauffmanii (Smith) Petersen

ROD name *Gomphus kauffmanii*

Family Gomphaceae

Morphological Habit chanterelle

Description: **SPOROCARP** cylindrical-truncate, infundibuliform, cavernous, and finally excavate; up to 30 cm tall, up to 25 cm wide, margin smooth to somewhat undulate, often reflexed to varying degrees. **CAP** up to 25 cm wide; surface differentiated into large, subpyramidal scales becoming incurved so that in immature sporocarps often block the cap cavity, creamy to dull tan, scales paler toward margin, darker below. **SPORE-BEARING TISSUE** of longitudinal, anastomosing ridges or somewhat subporoid, dull tan to pale cinnamon, sometimes bruising dull red-brown. **STEM** up to 3.5 cm thick at base of the hymenium, tapered, rounded at base, sometimes somewhat rooting, white mycelium, smooth but not glabrous, hollow, sometimes obscurely longitudinally streaked with brown tones, dull brown when bruised. **ODOR** mild, often faintly to obviously aromatic. **TASTE** mild, sometimes slightly acrid, but usually insignificantly so. **Basidia** 90-115 x 10-13 μ m, elongate-clavate to cylindrical with somewhat bulbous apex, hyaline, thin walled. **Sterigmata** 2-4, (-8.5) μ m long, apically slender, coronate, straight, not divergent. **CYSTIDIA** absent. **CLAMP CONNECTIONS** absent. **Spores** ovoid, 11.9-17.5 x 5.7-7.8 μ m, pale yellow in mass, thin walled, ornamentation strongly cyanophilic, composed of small, scattered, separate to somewhat anastomosed, low warts, or ridges.

Distinguishing Features: *Gomphus kauffmanii* is characterized by its tan to cinnamon-tan sporocarps lacking bright red or orange tints, the gross scales on the cap surface, and the absence of clamp connections.

Distribution: Endemic to western North America. **CALIFORNIA**, Del Norte Co., Crescent City; Jedediah Smith Redwoods State Park (JSRSP), Crescent City; JSRSP, John Stout Grove; **Humboldt Co.**, Big Lagoon County Park; **Mendocino Co.**, Jackson State Forest, Aleuria Glen; **Siskiyou Co.**, Klamath National Forest (KNF), Carter Meadow; KNF, Marble Mountain Wilderness Area, jct. of Haypress and Stanishaw trails; **OREGON**, **Benton Co.**, Siuslaw National Forest, Mary's Peak Scenic Botanical Area, Mary's Peak; Paul Dunn Forest, off Berry Creek; Bureau of Land Management (BLM), Starr Creek District; **Clackamas Co.**, Mount Hood National Forest (MHNF), 1.6 km west of Last Chance Mountain; MHNF, east fork of Salmon River; MHNF, Salmon River; MHNF, Still Creek; **Coos Co.**, South Slough Estuarine Research Reserve; **Douglas Co.**, BLM, Swiftwater Resource Area, Gallagher Canyon; **Jackson Co.**, BLM, Butte Falls Resource Area, Round Mountain; **Lane Co.**, Willamette National Forest (WNF), English Mountain; WNF, Lamb Butte; WNF, Lamb Butte, Pothole Creek; WNF, Olallie Ridge Research Natural Area, Pasture Creek; WNF, Potholes; **Linn Co.**, WNF, Lost Prairie campground; WNF, Three Pyramids; **Wasco Co.**, MHNF, Frog Lake; MHNF, Skyline Rd.; MHNF, Warm Springs Rd.; **WASHINGTON**, **Chelan Co.**, Wenatchee National Forest, Stevens Pass; **Clallam Co.**, Olympic National Park, Lake Angeles; **Grays Harbor Co.**, Olympic National Forest, 1.6 km south of Lake Quinault; Quinault, Lake Quinault; Montesano, Sylvia State Park, Hwy. 410; **King Co.**, Mount Baker-Snoqualmie National Forest (MBSNF), Arnette Lake trail; **Kittitas Co.**, MBSNF, Hyak Ski area; **Pierce Co.**, Mount Rainier National Park (MRNP), Carbon River; MRNP, Gobler's Knob; MRNP, Green Lake trail from Carbon River; MRNP, Longmire; MRNP, Lower Tahoma Creek area; MRNP, Mowich Lake, trail to Talmie; **Skagit Co.**, MBSNF, Swamp Creek, on roadside; **Skamania Co.**, Gifford Pinchot National Forest (GPNF), Pacific Crest Trail, north of Trout Creek and Rd. 43; GPNF, T.T. Munger Research Natural Area at canopy crane site; GPNF, Wind River Experimental Forest, Trout Creek Division; Mount St. Helens National Volcanic Monument, Table Creek; **Whatcom Co.**, MBSNF, Ermine Stream; MBSNF, Shuksan Inn.

Substrate and Habitat: Closely gregarious to caespitose, partially hidden in deep humus under *Pinus* and *Abies* spp.

Season: Autumn.

Reference: Smith, A.H.; Morse, E.E. 1947. The genus *Cantharellus* in the Western United States. *Mycologia*. 39: 497-534.

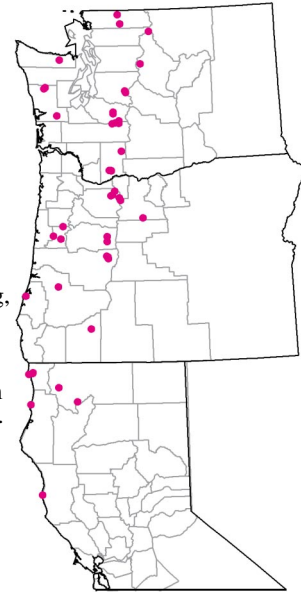


Photo courtesy of mycology team

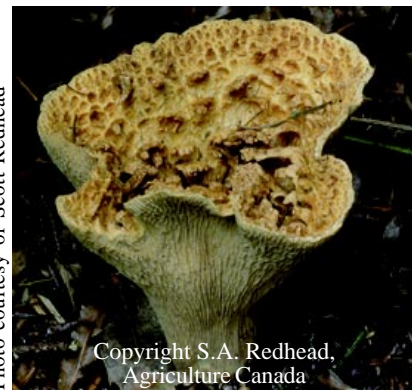


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