

***Orobanche uniflora*** L., NAKED BROOMRAPE. Perennial herb, nonphotosynthetic root parasite (holophyte lacking chlorophyll), fleshy, erect flowering stalks to 6(–12) cm tall; plant aboveground glandular-hairy, the hairs with short stalks and small heads; root attachment tuberlike embedded in host root. **Stem:** subterranean. **Leaves:** helically alternate, subterranean scales, sessile, without stipules. **Inflorescence:** racemelike with subterranean axis and 1–3+ erect, emergent flower terminal on long pedicels, bracteate, glandular-hairy; bractlet subtending each pedicel, simple, sessile, appressed, partially or completely encircling pedicel, scalelike, 1.5–8.5 mm long, whitish; pedicels cylindric, in range to 65 mm long and  $\pm 1.2$  mm diameter, light orangey brown to straw-colored, glandular-hairy, the hairs transparent with yellowish amber heads. **Flower:** bisexual, bilateral, 5–5.5  $\times$  7–8.5 mm across, 20–22 mm long; **calyx** 5-lobed, slightly bilateral with a wide sinus between lower 2 lobes, in range 7–8 mm long, pale orangey brown, glandular hairy; tube cup-shaped, 3–3.5  $\times$  3 mm; lobes equal, long-tapered awl-shaped, 4–4.5 mm long, at anthesis appressed, with obscure venation; **corolla** 2-lipped; tube slightly compressed side-to-side,  $\pm 8 \times 3.5$ –4.5 mm, constricted above ovary to 2–3 mm wide, greenish yellow except for violet-purple on upper side near constriction; throat 8–10 mm long, expanding to 4–5 mm at mouth, mostly dark violet, yellow on lower side, internally longitudinally 2-ridged by inward folds of the tube, these ridges vivid yellow, minutely hilly (colliculate) and sparsely papillate; lips with sinuses 3–3.5 mm deep, all lobes 3-veined, glandular-hairy on surfaces, densely glandular with shorter hairs on margins; upper lip 2-lobed, lobes spreading, oblong, 2.7–3 mm wide, rounded, glandular-hairy slightly more so on margins, the sinus between lobes  $\pm 2$  mm deep; lower lip 3-lobed with 2 lateral lobes and central lobe, lateral lobes  $\pm$  oblong, 2.8–3 mm wide, dark violet, similar to lobes of upper lip, central lobe somewhat flattened round, 2.5  $\times$  2.8 mm, violet with yellow at base; **stamens** 4, lacking staminode, fused to corolla at base of throat, 2 on lower side and 2 on upper side, upper side stamens attached slightly higher; filaments 4.5–5 mm long, of lower stamens ca. 0.5 mm longer; anthers dorsifixed, dithecal, pale yellow, with short tail at base, longitudinally dehiscent; pollen pale yellow; **pistil** 1, 11 mm long; ovary superior, ellipsoid slightly compressed side-to-side, 4  $\times$  2.3 mm, glabrous, 1-chambered with numerous ovules on 4 placentae; style glabrous,  $\pm 7$  mm long, white except reddish at tip, glabrous; stigma 2-lobed, each lobe  $\pm$  triangular. **Fruit:** capsule, loculicidal, 2-valved (weakly 4-valved), to 12-seeded, ovoid-ellipsoid, 4–4.5  $\times$  3 mm, slightly compressed  $\perp$  septum, light brown, enclosed by persistent calyx; calyx purplish in developing fruit aging brown, with 5 conspicuous, low ribs alternating with lesser ones on expanded tube, lobes erect, to 4 mm long. **Seed:** not observed. Late April–early June.

Native. An elusive parasite perennial herb rarely seen in range and mostly observed growing on roots of *Ribes*, best known from Malibu Creek State Park *Orobanche uniflora* is so named because a single flower terminates each stalk, but this is to be expected for a raceme where the aboveground stalk is actually a pedicel. If recognized, our populations would be called subsp. *occidentalis* Ferris.

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