

Mimulus floribundus Lindl., SLIMY MONKEYFLOWER, MANY-FLOWERED MONKEYFLOWER.

Annual, taprooted, 1–several-stemmed at base, branching throughout, prostrate to decumbent or ascending, 2–50 cm tall; shoots densely glandular-pilose throughout, soft and often very slimy, the hairs small-headed, soft, slender, to 1.5(2) mm long, colorless, appearing nonglandular when long and old. **Stems:** cylindric, to 4 mm diameter, light green, ± densely white glandular-pilose. **Leaves:** opposite decussate, simple, petiolate, without stipules; petiole slightly channeled, 1.5–25 mm long, light green; blade ovate, 10–42 × 7–36 mm, cordate to ± truncate or broadly tapered at base, dentate on margins, acute at tip, pinnately veined with midrib raised on lower surface, sparsely glandular-pilose, lower surface sometimes rose-colored. **Inflorescence:** leafy raceme with flowers paired at nodes, bracteate, densely glandular-pilose on exposed green surfaces; bractlet subtending pedicel leaflike, petiolate; pedicel ascending, 7–10 mm increasing 2× in fruit. **Flower:** bisexual, bilateral, 4–5 mm across; **calyx** 5-lobed, 5–7 mm long; tube 4–5.5 × 2–3 mm, angled to pleated along dark green veins; lobes toothlike, erect in bud and ascending at anthesis, subequal, acute to acuminate, 1–1.5 mm long, green or with reddish spots and reddish tips, expanding in fruit; **corolla** 5-lobed having weakly distinguishable upper and lower lips, in range 7–8 mm long, light to brilliant yellow; tube + throat gradually flaring to mouth, colorless or whitish at base grading to yellow, externally glandular-pubescent on upper tube and throat with a low, angular ridge on upper side, with 2 longitudinal grooves on outer lower side corresponding to internal ridges, internal ridges bearded with bright yellow, club-shaped hairs, the hairs also at orifice and across bases of lobes; lobes rounded, 0.9–1.7 × 1.3–2 mm, glandular-pubescent on outer surface, glabrous on inner surface and sometimes dotted reddish; **stamens** 4, lacking staminode, fused to base of corolla tube at slightly different level, dimorphic, included; filaments ± straight, 2.5–3.5 mm long (lower stamens) and 2–3 mm long (upper stamens), yellowish, glabrous; anthers dorsifixed, dithecal, heart-shaped, ± 0.5 mm long, light yellow, longitudinally dehiscent; pollen light yellow; **pistil** 1, 4.2–5 mm long, included, glabrous; ovary superior, narrowly ovoid compressed side-to-side, 1.8–2.5 mm long, greenish, 2-chambered, each chamber with many ovules attached to center; style ca. 2 mm long, greenish, funnel-shaped at tip before forked into 2 stigma lobes; stigma lobes broadly obovate to fan-shaped, to 0.5 mm long, papillate on margins. **Fruit:** capsule, loculicidal, dehiscent by 2 valves, many-seeded, 2-lobed ellipsoid, 4–5 × 2–2.7 mm, brown, compressed ⊥ to septum; fruit = calyx tube. **Seed:** ellipsoid, ± 0.25 × 0.15 mm, olive green, slightly wrinkled. Mid-May–mid-July.

Native: Annual growing in drying mud on margins of wetland depressions, e.g., Nicolas Flats (SMM). *Mimulus floribundus* is rarely seen in range because it occurs in small, highly restricted localities, blooming during early summer drought, when few people are out botanizing. This plant is very soft; the long hairs are initially glandular, making the shoot feel slimy, but over time the glandular heads disappear so that old plants appear pilose and remain soft to the touch.

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