

Dudleya multicaulis (Rose) Moran, MANY-STEMMED DUDLEYA. Perennial herb, leaf succulent, late spring-deciduous from corm, rosetted, having ascending inflorescences from corm, in range to 20 cm tall; shoots with 5–15 succulent basal leaves, glabrous, not glaucous; corm oblong, to 50 mm long. **Leaves:** helically alternate, simple, \pm sessile, without stipules; blade subcylindric, linear, $30\text{--}150 \times 2\text{--}6$ mm but flaring at base, 2–6 mm thick, entire, acute at tip, venation obscure, light green becoming reddish. **Inflorescence:** cyme, axillary from corm, to 180 mm long, terminal on peduncle with 7+ succulent bracts (“cauline leaves”) helically alternate in a graded series, to 45-flowered, 1-sided, at top of peduncle typically several-forked, glabrous, not glaucous; peduncle cylindrical, \pm fleshy, < 1.5 mm at base but thicker above; bracts along peduncle ascending, sessile, linear, approaching fork ovate-triangular to lanceolate and $7\text{--}15 \times 2.5\text{--}4.5$ mm, acuminate to acute at tip, light green becoming reddish dotted, upper surface flat, lower side concave; bractlet subtending flower or positioned between flowers along axis, oblong to ovate-triangular, $2\text{--}5 \times 1.2\text{--}1.8$ mm, fleshy, light green, becoming reddish; pedicel 0.1–0.4 mm long. **Flower:** bisexual, radial, 11–12 mm across; receptacle inversely conic, $0.8\text{--}1 \times 2$ mm, light green, glaucous; **calyx** 5-lobed, cup-shaped; tube short, with fleshy basal portion fused to receptacle, light green, glaucous; lobes erect, fleshy ovate-triangular, $2\text{--}3 \times 1.2\text{--}2$ mm, becoming reddish at tip; **corolla** 5-lobed, rotate, bright greenish yellow; tube erect, 0.8–1.5 mm long, erect; lobes widely spreading, narrowly ovate, $4.7\text{--}5.5 \times 1.9\text{--}2.7$ mm, \pm keeled on lower side, with thickened midrib beginning $1/3$ above base; **stamens** 10 in 2 whorls, attached at or slightly below perianth sinuses, arising opposite calyx and corolla lobes; filaments tapered, 2.8–3.6 mm long, 0.3–0.4 mm wide at base, greenish yellow; anther basifixed with filament tip inserted into a short tube in connective, dithecal, semicircular with cordate base, $0.5 \times 0.6\text{--}0.7$ mm, green yellow at base to yellowish green at tip, longitudinally dehiscent; pollen yellow; **pistils** 5, attached at base ca. 1.5 mm; ovaries superior, lanceoloid to teardrop-shaped, $3.7\text{--}5.8 \times 0.7\text{--}1$ mm, yellowish green, each chamber with 13–19 ovules; styles 1–1.7 mm long, tapered from ovary to stigma; stigma terminal to minutely capitate, 0.3 mm diameter, papillate. **Fruit:** follicles, 5, attached at base, spreading and concealed by corolla lobes, dehiscent along upper edge, < 20 -seeded, compressed-lanceoloid, ca. 2.5 mm long + 1–1.5 mm long (sometimes style absent), papery tan, keeled on upper edge. **Seed:** ovoid and \pm 3-angled, 0.4 mm long, light brown. April.

Native. Deciduous succulent perennial herb reported from sandstone outcrops surrounding the Chatsworth Reservoir (SH). *Dudleya multicaulis* was described from living materials from Irvine, because plants in range are inaccessible to researchers, and thus when this species flowers is only an approximation.

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