

*Phacelia* Juss.

*Phacelia brachyloba* (Benth.) A. Gray, YELLOW-THROATED PHACELIA. Annual, taprooted, rosetted, 1–several-stemmed at base, branches ± ascending, (8–)15–60 cm tall; shoots pubescent and viscid with glandular-hairy throughout, with stalked glandular hairs having amber heads. **Stems:** cylindrical, to 7 mm diameter, with 2 faint ridges descending from each leaf, green, covered with nonglandular and glandular hairs. **Leaves:** helically alternate, coarsely toothed to deeply pinnately lobed (never truly compound), petiolate, without stipules; petiole strongly channeled, 10–30 mm long; blade elliptic to oblong or lanceolate, 35–120 × 5–38 mm, lobes or teeth mostly opposite or subopposite, spreading to ascending, triangular to oblong, short-crenate to dentate or entire on margins, ± rounded at tip, pinnately veined with midrib channeled on upper surface and strongly raised on lower surface. **Inflorescence:** cyme, terminal, mostly several-forked, each branch coiled and 1-sided, many-flowered, often with a leaflike bract on lower part of rachises but otherwise lacking bracts; bract subtending peduncle leaflike and petiolate, < 25 mm long; peduncle stemlike; axes densely glandular-hairy and viscid; pedicel at anthesis 1–2 mm long increasing to < 3 mm long and ascending in fruit, densely glandular-hairy. **Flower:** bisexual, radial, 9–14 mm across; **calyx** deeply 5-lobed, fused only at base, green, glandular-hairy; lobes at anthesis ± erect but not touching corolla, narrowly oblanceolate, in range 4–5.5 × 1–1.8 mm increasing ca. 1 mm in length in fruit and persistent, with at least 2 lobes wider than the others, rounded at tip; **corolla** 5-lobed, in range funnel-shaped, in bud with 5 dimples on throat hidden by calyx lobes; tube 7–11 mm long and 1–1.3 mm wide at base, short-pilose and sparsely glandular-hairy; throat reddish at base and mostly bright yellow with darker yellow, above yellow occurring a narrow white band and then light lavender or only white, internal scales absent; lobes spreading, semicircular, 2.5–4 × 3–5 mm, purplish pink to light purple, light lavender, or white; **stamens** 5, fused to base of corolla, included; filaments subequal, erect, 3–4.5 mm long, yellowish but red-veined at base, glabrous; anthers positioned at slightly different heights, versatile, dithecal, 1–1.6 mm long, pale yellow, longitudinally dehiscent; pollen pale yellow; **nectary disc** surrounding ovary base, whitish to pale yellow; **pistil** 1; ovary superior, short sausage-shaped, 1–1.5 mm long, green, glandular-hairy and approaching top hirsute with stiff ascending hairs to 1 mm long, 2-chambered, each chamber with many ovules; style erect, 3–5 mm long, yellow, short-pilose below midpoint, 2-branched, the branches stigmatic and slightly divergent, ca. 1 mm long. **Fruit:** capsule, loculicidal, to 30-seeded, slightly compressed-oblong to compressed-ellipsoid, 4–5.5 × 2.5–3.3 × 2–2.9 mm, light brown and fine-veined, slightly bulging with seeds, short-strigose, glandular-pubescent and hirsute when immature, indented at top where style attached, weakly grooved on broader faces from style base downward ca. 3/4 distance to base. **Seed:** obovate to roundish in outline, 0.5–0.6 mm long, dark brown, with low netlike ridges. Mid-April–early June.

Native. Annual appearing after recent burns of chaparral, mostly recorded from the central SMM. *Phacelia brachyloba* has lobed basal and cauline leaves and white to purplish pink flowers with a yellow tube, hence the common name, yellow-throated phacelia.

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