

Vascular Plants of Williamson County

Eriogonum longifolium var. *longifolium* – LONG-LEAF WILD BUCKWHEAT [Polygonaceae]

Eriogonum longifolium Nutt. var. *longifolium*, LONG-LEAF WILD BUCKWHEAT. Perennial herb, taprooted, rosetted, 1-stemmed at base, in range to 110 cm; shoots with basal leaves and cauline leaves, soft-hairy; taproot woody. **Stems:** ± cylindric, to 4 mm diameter, green, loosely woolly. **Leaves:** helically alternate, simple, petiolate, without stipules; petiole crescent-shaped flared at base, 6–75 mm long, cream-colored and weakly green sometimes reddish approaching blade; blade lanceolate-linear to narrowly lanceolate, in range 24–120 × 5–18 mm, tapered at base, entire and slightly inrolled on margins, acute and prow-shaped at tip, palmately veined but lateral veins inconspicuous raised on lower surface, midrib cream-colored, upper surface dark green ± sericeous, lower surface densely woolly soft-hairy with upward-pointing hairs along midrib. **Inflorescence:** cyme enclosed by involucre, in terminal and axillary arrays, with zigzagged principal axis, inflorescence repeatedly 2(3)-forked, bracteate, villous; principal axis with internodes 35–50(–80) mm long, axes divergent 45° at each node, with appressed soft, upward-pointing hairs; bract subtending each branch awl-shaped, green with appressed hairs; peduncle ca. 10-ridged, ca. 5 mm long, tomentose; **involucre** 5–6-lobed, funnel-shaped, ± 4.5 × 6 mm, green, outer surface tomentose, inner surface glabrous, lobes deltate, 1–1.5 mm, green; bractlet subtending pedicel linear and flat, to 4.5 × 0.3–0.35 mm, 1-veined, white, lacking glandular hairs; pedicel cylindric, 4–5 × 0.4 mm, white, villous at base, at anthesis flower exerted from involucre. **Flower:** bisexual, radial, ca. 7.5 mm across; **perianth** deeply 6-lobed, exerted from involucre, with nectary tissue below bases of filaments on perianth tube; lobes (tepals) in 2 whorls, ± monomorphic, green, outer surface tube + lower lobe villous; tube funnel-shaped, ca. 1.5 mm long; lobes ovate, ca. 2 × 2 mm, inner surface villous; **stamens** 6, fused to top of perianth tube below sinuses; filaments ca. 2 mm long, greenish yellow or yellow-green, in bud coiled at tip becoming exerted, tapered to tip, glabrous; anthers versatile, dithecal, ± 1.2 mm long, beige, longitudinally dehiscent; pollen pale yellow; **pistil** 1; ovary superior, narrowly ovoid, ca. 1.6 × 0.6 mm, densely villous, 1-chambered with 1 ovule; styles 3, crooked, ± 1.6 mm long, yellow-green, stigmatic at tips ca. 0.15 mm across. **Fruit:** not observed in range, achene enclosed in persistent, dry perianth (diclesium), lanceoloid 3-sided, 4–6 mm long, brown, densely tomentose.

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