

Vascular Plants of Williamson County

Gilia incisa – CUTLEAF GILIA, SPLITLEAF GILIA [Polemoniaceae]

Gilia incisa Benth., CUTLEAF GILIA, SPLITLEAF GILIA. Annual, taprooted, not rosetted, 1–2-stemmed at base, with ascending lateral branches in canopy, in range 15–35+ cm tall; shoots with mostly cauline leaves, having short, stalked glandular hairs on the lower plants aging to resemble nonglandular hairs. **Stems:** cylindric, to 2 mm diameter, green.

Leaves: helically alternate, simple and sharply serrate (lower leaves) to pinnaately lobed in canopy, petiolate and short-petiolate (upper cauline leaves), without stipules; petiole of lower leaves channeled, to 12 mm long; blade ovate to obovate in outline, < 10–30+ × < 5–15 mm, tapered at base or having short, awl-like lobes at base, triangular to ovate teeth on margins, acute with stiff point at tip, pinnately veined with midrib and sometimes other principal veins on lower surface, uniformly glandular-hairy with hairs to 0.25 mm long.

Inflorescence: open cyme, terminal and axillary, several-flowered, bracteate, glandular-hairy; bract subtending peduncle and bractlet subtending pedicel leaflike, pinnately 5-lobed to 7-lobed often appearing palmately lobed with terminal lobe > lateral lobes > basal lobes, petiole subsessile, bractlet to 10 mm long; pedicel cylindric, 16–35 × 0.3 mm, green, densely glandular-hairy. **Flower:** bisexual, radial, ± 10 mm across; **calyx** 5-lobed, ca. 4.5 mm long; tube cup-shaped, 1.2–1.5 mm long; lobes triangular, 2.5–3 × 1 mm, with raised green ribs and wide membranous margins, having some glandular hairs on rib; **corolla** 5-lobed, lobes twisted in bud; tube + throat short-cylindric, 1–1.3 mm long, mostly light yellow; lobes overlapping at base, widely spreading, acute-ovate, ca. 5 × 2 mm, light pink purple (white in bud), glabrous; **stamens** 5, attached at base of corolla tube; filaments erect, 2.9–3.3 mm long, white, glabrous; anthers dorsifixed, dithecal, ca. 1.5 mm long, bright yellow, longitudinally dehiscent; pollen yellow; **nectary disc** between bases of filaments and ovary, slightly scalloped, 0.15 mm long, light green; **pistil** 1, ca. 6 mm long; ovary superior, conic-ovoid, 2.2–2.5 × 1 mm, green, not lobed, obtuse with several glandular hairs at top, 3-chambered, each chamber with ca. 20 ovules; style 3–3.5 mm long, white, 3-branched, the stigmatic branches spreading, 0.8–1 mm long, short-papillate on upper side. **Fruit:** capsule, loculicidal, dehiscent by 3 valves, 3-lobed, many-seeded, ovoid subtruncate at top, 3.5–4 × 2 mm, valves tan and splitting tip-to-base. **Seed:** angled resembling grains of sand, 0.5–0.6 mm long, pale brown (brown), hard; gelatinous when wetted.

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