

Vascular Plants of Williamson County

Stylisma pickeringii var. *pattersonii* – BIG-POD BANAMIA [Convolvulaceae]

Stylisma pickeringii (Torrey) A. Gray var. *pattersonii* (Fern. & B. G. Schub.) Myint, BIG-POD BONAMIA. Perennial herb, vinelike, deep-rooted, not twining, with long, trailing and prostrate branches; shoots with only slender cauline leaves, pubescent with fine, 2-armed (T-shaped) hairs. **Stems:** cylindric, to 2 mm diameter (excluding galls), wiry, with fine, \pm appressed, 2-armed hairs often red-tinged. **Leaves:** helically alternate, simple, \pm sessile, without stipules; petiole short, nongreen; blade linear and folded upward from midrib, $< 20\text{--}45 \times 1\text{--}2$ mm, entire, blunt-acute at tip, 1-veined with midrib sunken on upper surface and raised on lower surface, internally gland-dotted, sparsely pubescent with 2-armed hairs. **Inflorescence:** cyme, axillary, 1–3-flowered, bracteate, soft-hairy with fine, 2-armed hairs; peduncle slender and wiry, at anthesis = leaf, to 45×0.4 mm, short-tomentose, with a disclike pulvinus at base; bracts at top of peduncle 2, alternate, the upper bract subtending pedicel of the oldest flower, the lower bract subtending the remaining cyme but often abscising, linear, leaflike, $5\text{--}25 \times 1.3$ mm, sparsely hairy and inconspicuously gland-dotted; pedicel at anthesis to 4 mm long, short-tomentose. **Flower:** bisexual, radial, ca. 18 mm across; **sepals** 5, helically alternate, overlapping, acute-ovate and cupped, $3.8\text{--}4.2 \times 2.5\text{--}3$ mm, tough, with elaborate network of secretory tubes, densely villous, persistent; **corolla** shallowly and broadly 5-lobed, broadly funnel-shaped, in range ± 12 mm long, white, pleated in bud; tube absent; throat from base of corolla, villous with upward-pointing hairs on outer (lower) surface exposed in bud, covered surface glabrous; **stamens** 5, fused to base of corolla; filaments subequal, 9–10 mm long, winged to midpoint, the wings 0.6–0.8 mm wide, papillate-hairy along wings and margins, upper portion tapered to tip; anthers dorsifixed, dithecal, 1.6–1.8 mm long, white, longitudinally dehiscent; pollen white; **nectary disc** below ovary, conspicuously 5-lobed, 0.5–0.6 mm long, 1.5 mm diameter, light orange, upper nectary with some long hairs; **pistil** 1, ca. 12 mm long; ovary superior, conic, ca. 1×1 mm, white, covered by sense, suberect hairs, 1-chambered with 4 large, white, ovoid ovules; style cylindric (not tapered), with 3 short, unequal branches, ca. 11 mm long, white, lacking hairs, the branches fingerlike, to 1.5 mm long; stigma terminal, capitate, minute. **Fruit:** capsule, (1–)2-seeded, ovoid slightly compressed side-to-side, $8 \times 6 \times 4$ mm, shorted beaked at top, with creases below midpoint. **Seed:** ovate in outline (not rounded), ca. 4×2 mm, brown, glabrous.

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