

## Vascular Plants of Williamson County

*Dichondra recurvata* – GRAVEL PONYFOOT [Convolvulaceae]

*Dichondra recurvata* Tharp & M.C. Johnst., GRAVEL PONYFOOT. Perennial herb, clonal, stolon-producing, fibrous-rooted along shoots, not rosetted, mat-forming, to 2.5 cm tall, with adventitious roots at each node; shoots with only cauline leaves along stems and stolons, aboveground densely short-hairy; stolons shallow. **Stems (stolons):** belowground, cylindrical, to 1.5 mm diameter, flexible, white, short-villous to short-tomentose. **Leaves:** helically alternate with 1(3) leaf per node, simple, petiolate, without stipules; petiole narrowly channeled above midpoint, 10–35 mm long, white belowground and ± pink to purplish aboveground, internodes to 37 mm long; blade kidney-shaped to heart-shaped often somewhat folded upward along midrib,  $< 5\text{--}23 \times < 10\text{--}30$  mm, cordate at base, entire and wavy on margins, rounded to slightly notched at tip, palmately 5-veined or 7-veined with midrib and principal veins slightly sunken on upper surface and raised on lower surface, villous. **Inflorescence:** cyme, 1–2-flowered, axillary from belowground stolon, flower oriented downward, bracteate, densely soft-hairy; bractlets 2 at base of peduncle, oblong,  $< 2$  mm long, densely hairy; peduncle (pedicel) cylindrical, hooked and strongly curved downward, at anthesis 1–2 mm long  $>$  bractlet and increasing to 12 mm long, white, densely hairy like stolon. **Flower:** bisexual, radial,  $\pm 3\text{--}3.5$  mm across; **calyx** 5-lobed, funnel-shaped, 2.1–2.3 mm long, mostly green, densely soft-hairy; lobes obovate, ca. 1 mm long increasing in fruit, overlapping at base, sometimes tinged with red cells; **corolla** 5-lobed, broadly funnel-shaped with spreading lobes,  $\pm 2.7$  mm long, white, glabrous; tube  $<$  lobes; lobes  $\pm$  cupped-ovate,  $1.5 \times 1.2\text{--}1.3$  mm, outer (lower) surface glossy, rounded at tip; **stamens** 5, fused to corolla beneath each sinus; filaments flared at base,  $\pm 0.7$  mm long, white; anthers dorsifixed, dithecal,  $\pm 0.5$  mm long, red-purple, longitudinally and inwardly dehiscent; pollen white; **pistil** 1; ovary superior, deeply 2-lobed, 0.5–0.7 mm long, each lobe  $0.3 \times 0.5$  mm, hidden by dense, villous hairs, 2-chambered, each chamber with 2 ovules; styles 2, attached at base of ovary between lobes, almost free to base, subequal, 1–1.2 mm long, pale green; stigmas capitate, mushroomlike, ca. 0.6 mm across, light green, papillate. **Fruit:** capsule, dehiscence irregular, inflexed, 2-seeded, 2-lobed, each lobe 1-seeded, spheroid, 2–2.5 mm long, whitish villous, with persistent calyx with lobes 2–2.3 mm long. **Seed:** fitted tightly within chamber, subspheroid, ca.  $2.5 \times 2.6$  mm, white maturing dull brown, smooth, with micropyle at end.  
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