

Revision by A. J. Wright and D.E. Giblin, December 26, 2024.

Key revised to elevate *T. ovatum* var. *hibbersonii* to the rank of species – *T. hibbersonii*; *T. ovatum* var. *stenosepalum* is removed from synonymy within *T. ovatum* and elevated to the rank of species – *T. stenosepalum*; *T. crassifolium* is removed from synonymy within *T. ovatum* and recognized at the rank of species – *T. crassifolium*. Recent phylogenetic work in the lab of Aaron Liston at OSU shows that the naturalized *Trillium* plants in the Corvallis, OR area are *T. chloropetalum* and not *T. cuneatum* as indicated on the specimen upon which the genus note was based at the time of Flora of the Pacific Northwest, 2nd edition printing.

References

D. M. O'Neill, S.B. Farmer, A. Floden, J. Lampley, and E. Schilling. 2020. *Trillium hibbersonii* (Melanthiaceae), a phylogenetically distinct species from western North America. *Phytotaxa* 436(2): 193-195.

Wayman, K.A., A.J. Wright, M. Renner, A. Floden, J.A. Lampley, S.B. Farmer, and E.E. Schilling. 2023. New insights into systematics of the *Trillium ovatum* complex. *Madrono* 70:158-171. <https://doi.org/10.3120/0024-9637-70.3.158>

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Trillium L. Wake-robin; Trillium

Fls normally solitary, sessile or pedunculate, terminal and subtended by a whorl of gen 3 large lvs (technically bracts) at the top of an otherwise naked scape; sepals 3, persistent, greenish, distinct or nearly so; petals gen 3, withering, white to colored, distinct, glandless; stamens 6, anthers elongate; styles \pm distinct; ovary superior; fr a ∞ -seeded, berrylike caps; glab per herbs with a short, thick, horizontal to erect rhizome and 1 or more erect fl sts, the lvs broad. (L *trilix*, triple, in reference to fl parts in 3's). Often placed in the family Trilliaceae.

Trillium chloropetalum (Torr.) Howell, native to CA, has locally escaped to woods in Corvallis, OR; it has mottled lvs, sessile fls, and purple to greenish petals. Trilliums are rather easily grown, and *T. ovatum* in particular is an excellent garden pl, but it is a shame to dig them in the wild, esp since they grow readily from seed.



Illustration
to be added

3a

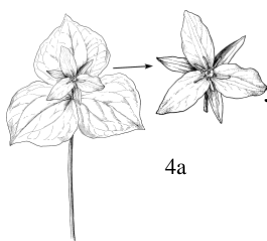


Illustration
to be added

4b

1a Fl borne on a pedicel (0.6–)1–8 cm; lvs sessile, not mottled, mostly acute to short-acuminate; petals 1.5–7 cm, white or pinkish, aging to pink or purplish

2a Petals pink, aging to darker pink; sepals red-margined; stigmas > stamens; fr ridged but not winged; lvs elliptic, 3–5 \times 1.3–2.5 cm, 1.9–2.7 \times as long as wide, upper surface flat and smooth, margins red-tinged; scape 1–8(–17) cm; all parts gen smaller than nos 2, 3, and 4; exposed, mossy rock ledges; endemic to w coast VI; Hibberson's t. (*T. o.* var. or f. *h.*)

1 ***T. hibbersonii*** (T.M.C.Taylor & Szczaw.) D.O'Neill & S.B.Farmer

2b Petals white, aging to pink or purplish; sepals green-margined; stigmas < (occ =) stamens; fr ridged to winged; lvs elliptic to rhombic-ovate; scape 15–70 cm

3a Lvs elliptic, occ elliptic-ovate to lance-elliptic, widest at midlength; filaments flattened; petals erect at anthesis, recurved distally, fls \pm funnelform in side-view; sepals 2.5–4.5 \times 0.7–2.3 cm, veins often prominent; rhizomes usually vertical; open woodl to rock faces, esp in soil over broken rock, lowl to mont; n and c ID to se WA and ne OR, disjunct in c WA; Piper's t. or w. (*T. venosum*)

2 ***T. crassifolium*** Piper

3b Lvs ovate to rhomboid, widest in proximal $\frac{1}{2}$; filaments terete; petals ascending at anthesis, fls cylindric in side-view; sepals 1.5–4.5 \times 0.2–1.6 cm, veins obscure to slightly prominent; rhizomes horizontal; pls of moist woodl and thickets

4a Sepals broad, 3.2–4.7 \times 0.7–1.7 cm (2.4–4.7 \times as long as wide), rarely folded; stream banks to open or thick woodl, often where boggy in the spring, lowl to mont; BC s, from coast inl, to c CA, e to sw Alta, MT, WY, and CO; white t., w w. or t. (*T. scouleri*)

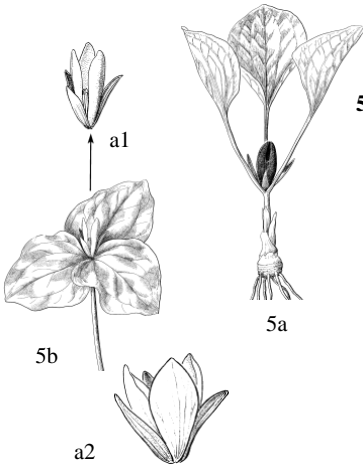
3 ***T. ovatum*** Pursh

4b Sepals narrow, 0.2–0.7(1.0) cm wide, often gently folded; fr ridges low to obscurely winged; moist woodl, lowl to mont; sc BC to e OR, e to sw Alta, c ID, and w MT, disjunct in s WY and n CO; Rocky Mt t. or w. (*T. scouleri* misapplied)

4 ***T. stenosepalum*** (R.R.Gates) A.J.Wright

1b Fl sessile; lvs mostly either long-petiolate or mottled, mostly rounded to obtuse

5a Lvs long-petiolate, petiole 5–12 cm, bl 7–14 cm, not mottled; scape largely underground, 0.5–1.8 cm; petals maroon or purplish (occ greenish or yellowish), 3–



5(-7) cm, gen ca same width as the sepals; stream banks and moist thickets or meadows; e Cas, Chelan Co, and ne WA to w ID, Blue Mts of WA, and ne OR; purple t., petioled w.

5 **T. petiolatum** Pursh

5b Lvs sessile, bl 6-20 cm, mottled; scape 1.7-5.8 dm; petals white to creamy-white, occ pink to purple tinged at base, 2.2-8 cm, occ much broader than the sepals; moist lowl for, oak-ash woodl, thickets, fields; w Cas, Pierce Co, WA, s, in Wi Va, to CA; giant t., sessile t. (*T. chloropetalum* misapplied); 2 subsp., fully intergrading in n OR

6 **T. albidum** J.D. Freeman

a1 Petals 5-8 × 2-3 cm, obovate to broadly oblanceolate; stamens 15-25 mm; scape gen 2.2-5.8 dm; Polk and Marion cos, OR, s in Wi Va to c CA (*T. a.*)

subsp. **albidum**

a2 Petals 2-5 × 0.4-1 cm, oblanceolate; stamens 10-15 mm; scape gen 1.7-3 dm; w Cas, Pierce Co, WA, s to n Wi Va; small-fl'd t (*T. p.*).

subsp. **parviflorum** (V.G. Soukup) K.L. Chambers & S.C. Meyers