

Wolffiella lingulata (Hegelm.) Hegelm. Perennial herb, floating aquatic, clonal via fragmentation forming colonies (each plantlet short-lived), lacking roots, tightly rosetted, of 1–2(–4) highly reduced, alternate, green shoots (fronds), with daughter frond arising from a basal pouch; frond = stem (basal portion) + leaf, highly modified, somewhat buoyant but mostly submersed just below surface of water except when flowering and fruiting, upper surface wettable, glabrous. **Stem (stipe):** at base of pouch with new frond connected to mother frond, obscure. **Frond:** tongue-shaped to ovate, 3–9 × ca. 2–2.5 mm when fully mature, typically curved downward (recurved) and ribbonlike above midpoint and thickened around growing point, with triangular pouch at base, entire, rounded at tip, lacking veins. **Inflorescence:** plants typically only vegetative, of 1 pistillate and 1 staminate flower arising in cavity on upper surface of frond, lacking bracts or scales, glabrous. **Staminate flower:** **perianth** absent; **stamen** 1, free; filament (stalk) ca. length of style on pistillate flower; anthers exerted from pouch, basifixed, dithecal, tiny, longitudinally dehiscent; pollen yellowish; **pistil** absent. **Pistillate flower:** opening before staminate flower; **perianth** absent; **stamens** absent; **pistil** 1; ovary superior, flasklike, 1-chambered with 1 ovule; style tapered supporting spheric drop of liquid above waterline. **Fruit:** utricle, embedded in frond, 1-seeded, bladderlike, ca. 0.4 mm. **Seed:** nearly as long as fruit, ± smooth.

Native. Clonal floating aquatic perennial once reported in Malibou Lake but never vouchered and not observed since for more than half a century. *Wolffiella lingulata* has ribbonlike, tongue-shaped veinless fronds that are strongly curved, so that this plant is characteristically living just below the surface thinly covered with water except when the pistil and anthers are exerted. The above description is based entirely on literature diagnoses and illustrations.

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