

Chenopodium macrospermum Hooker f., LARGESEED GOOSEFOOT. Annual, taprooted, several-stemmed at base, lower branches decumbent or plant appearing erect, 12–60+ cm tall; shoots with slightly fleshy cauline leaves, initially coated with clear, spheric particles (farinose) becoming glabrate, not aromatic. **Stems:** ridged and furrowed (5-angled), to 8 mm diameter, with 2 ridges descending from each leaf. **Leaves:** helically alternate, simple, petiolate, without stipules; petiole channeled, 4–32 mm long; blade ovate to trowel-shaped (trullate), 28–70 × 20–65 mm, broadly tapered to truncate at base lacking teeth, irregularly serrate to dentate on margins, acute to obtuse at tip, pinnately veined with 3 veins at base and principal veins raised on lower surface, sparsely farinose but upper surface soon becoming glabrate, lower surface densely farinose becoming glabrate. **Inflorescence:** spikelike panicle of crowded, sessile flowers in dense clusters (glomes), terminal and axillary, spike ascending, 5–40 mm long, of closely spaced glomes at tip, becoming openly spaced at base of longer spikes, glome subglobose, 0.7–2 mm across, generally 5–10-flowered, farinose; bract subtending spike and glome leaflike; bractlet subtending flower absent. **Flower:** bisexual, radial but calyx at anthesis asymmetrically distended when only 1 stamen present, 0.6–1 mm across; **calyx** (3–) 4–5-lobed and angled, externally farinose; tube cupping base of ovary, ca. 0.3 mm long; lobes unequal, broadly ovate, 0.3–0.8 × 0.4–0.7 mm, green, thickened to ± fleshy along axis with transparent or whitish membranous margins; **corolla** absent; **stamens** 1–3, ascending, exerted; filaments 0.5–0.6 mm long, pale green; anthers dorsifixed, dithecal, sacs ellipsoid, ca. 0.35 × 0.25 mm, light yellow, longitudinally dehiscent; pollen light yellow; **pistil** 1; ovary superior, slightly compressed obovoid with vertical ovule, 0.4–0.5 × 0.4 mm, or flattened spheroid with horizontal ovule, 0.4 × 0.6 mm, green, 1-chambered with 1 ovule; stigmas 2, spreading, ca 0.2 mm long, ± translucent. **Fruit:** utricle with fruit wall adherent to seed, vertical or horizontal lenticular, 1.2–1.7 mm diameter, blistered (postulate) becoming smooth. **Seed:** lenticular, 1–1.5 mm diameter, black, minutely bumpy (rugose) to ± smooth. August.

Naturalized. Annual reported in range from Ventura County near coastal salt marsh but not observed during current study. Originally from South America, *Chenopodium macrospermum* for this description was obtained from McGrath State Beach, just south of the City of Ventura, growing in permanently wet soil in brackish conditions.

B. A. Prigge & A. C. Gibson