

*Lepidium lasiocarpum* Nutt. subsp. *lasiocarpum*, HAIRY PODDED PEPPERGRASS, SHAGGY FRUIT PEPPERWEED, SAND PEPPERWEED. Annual, taprooted, rosetted, several-stemmed at base, decumbent, mostly to 20 cm tall; shoots with basal leaves and cauline leaves, conspicuously short-hirsute. **Stems:** cylindrical, typically < 1 mm diameter, with straight to curved hairs. **Leaves:** helically alternate, pinnately dissected (lower leaves) and mostly unlobed with or without several teeth above midblade (cauline leaves), petiolate, without stipules; petiole  $\pm$  flat, to 20 mm long, indistinct from blade; blade oblong to oblanceolate in outline, to  $30 \times 3$ –11 mm,  $\geq$  petiole, lobes of basal leaves  $\pm$  subopposite and subequal in pairs, obovate to oblanceolate, 1–5.5 mm long, < terminal lobe (to 7.5 mm long), acute to obtuse at tip, pinnately veined with midrib raised on lower surface, short-hirsute to  $\pm$  short-strigose, of cauline leaves often serrate and appearing 3-toothed. **Inflorescence:** raceme (panicle of racemes), terminal on each shoot, to 40+-flowered, in fruit 11–12 mm diameter, with open flowers overtopping buds but not the developing fruits, lacking bracts, short-hirsute; pedicel at anthesis ascending, 1–1.5 mm long spreading and increasing to 3 $\times$  in fruit, somewhat fattened top-to-bottom and in fruit 0.4–0.5 mm wide and 0.2–0.3 mm thick, densely short-hirsute (curved and arched, coarse hairs) especially on lower side. **Flower:** bisexual, radial, ca. 1 mm across; **sepals** 4, elliptic to slightly obovate and cupped to weakly hooded,  $0.7$ – $1 \times 0.35$ – $0.65$  mm (opposite broad surface of fruit) and  $0.6$ – $0.9 \times 0.25$ – $0.35$  mm (clasping narrow edge of ovary), mostly green but white marginally or purplish above midpoint, short-hairy; **petals** absent or 4 and rudimentary, 2 on each broad side of ovary lateral to stamen, oblong, 0.15–0.3 mm long, whitish; **nectaries** 4, between petals and stamens, peglike when fresh to toothlike after anthesis, 0.1 mm long, green to yellowish green; **stamens** 2, free, opposite septum of the ovary, included; filaments 0.45–0.75(–1.2) mm long, white; anthers dorsifixed, dithecal, 0.2–0.25 mm long, light yellow, longitudinally dehiscent; pollen light yellow; **pistil** 1; ovary superior, circular in outline and flattened,  $0.45$ – $0.5 \times 0.4$ – $0.5$  mm, yellowish green, minutely notched at tip, compressed  $\perp$  to septum, 2-chambered, each chamber with 1 ovule; style 0–0.15 mm long; stigma discoid, 0.2 mm diameter, whitish, densely papillate. **Fruit:** siliqua (silicle), dehiscent by 2 valves, 2-seeded,  $\pm$  circular (orbiculate) with slightly inflated chambers,  $3$ – $3.5$ (– $4$ )  $\times 2.8$ – $3 \times 0.7$ – $0.8$  mm, tannish, valves typically short-hairy along keeled edges, sometimes sparsely short-hirsute on valve faces, slightly concave on 1 face and slightly convex on the other face, shallowly notched 0.3–0.5 mm, not beaked and stigma not exerted above notch; pedicel in fruit spreading, flattened but ca. 2 $\times$  wider than thick, thickly short-hirsute. **Seed:** compressed-ovoid with folded embryo evident,  $1.5$ – $1.7 \times 1$ – $1.1$  mm, orangy brown to yellowish brown, minutely pebbled; gelatinous when wetted.

Native. Annual once collected in range along coastline in sand. *Lepidium lasiocarpum* tends to have 3-toothed cauline leaves, and the leaves and axes are short-hirsute with curved or arched hairs, sometimes densely so. This species has two stamens and no or only rudimentary petals; its roundish silicle commonly has short hairs along the keeled edges of the valves.

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