

Thelypteris globulifera (Brack.) C. F. Reed

Family

Thelypteridaceae

Hawaiian Name

palapalai a Kamapua'a

Synonyms

Lastrea globulifera Brack.; **Amauropelta globulifera* (Brack.)
Holttum; *Aspidium globuliferum* (Brack.) H. Mann; *Dryopteris*
globulifera (Brack.) Kuntze; *Nephrodium globuliferum* (Brack.)
Hook.

Habitat

terrestrial.

Description

Rhizomes (stems): decumbent to erect, with scales.

Fronds (leaves): erect (may be arching or drooping), 40-140 cm long, not proliferous.

Stipes (petioles): 1/6-1/10 frond length, not winged, grooved, straw-colored to dark brown (may be tinged red), with scales and hairs. Scales clathrate, light to dark brown (may be tinged red), concolorous, sparse, only at the extreme base. Hairs unicellular, sharp-tipped (acicular), clear or white, dense throughout.

Vasculature at base of stipe (petiole): two elongate/crescent-shaped vascular bundles.

Blades: pinnate-pinnatifid/pinnatisect, elliptic to oblanceolate, margins entire to crenate, apex pinnatifid, with hairs and glands. Hairs unicellular, sharp-tipped (acicular), clear or white, sparse/scattered to dense throughout. Glands appressed, amber-colored .

Veins: prominent, free, not uniting to form a marginal or costal commissural vein, not uniting to form an excurrent vein to sinuses, not forked.

Pinnae: 20-50 pairs, linear-lanceolate to -triangular, 6-18 proximal pinna pairs gradually reduced in size .

Rachises (midribs): not winged, grooved, straw-colored, with hairs, occasionally glabrous. Hairs clear or white, dense throughout.

Costae: costal groove not continuous with rachis groove, with hairs.

Sori: 0.3-1 mm long, round/reniform, submarginal to marginal.

Indusia: present, reniform, paraphyses present.

Island Distribution

Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, and Hawai'i

Status



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Endemic

Occurrence

Locally common

Elevational Range

100-2200 m