

Cyclosorus hudsonianus (Brack.) Ching

Family

Thelypteridaceae

Hawaiian Name

laukahi

Synonyms

Nephrodium hudsonianum Brack.; *Aspidium hudsonianum* (Brack.) H. Mann; *Dryopteris hudsonianum* (Brack.) Rosenst.; *Dryopteris truncata* (Gaudich.) Kuntze; *Nephrodium truncatum* (Gaudich.) C. Presl; **Pneumatopteris hudsoniana* (Brack.) Holttum; *Polystichum truncatum* Gaudich.; *Thelypteris hudsoniana* (Brack.) C. F. Reed

Habitat

terrestrial.

Description

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

Fronds (leaves): erect (may be arching), up to 145 cm long, not proliferous.

Stipes (petioles): not winged, grooved, light brown/tan/straw-colored, concolorous, with scales and hairs. Scales medium to dark brown (may be tinged red), concolorous, sparse, only at the extreme base. Hairs clear to light brown, dense throughout.

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

Blades: pinnate-pinnatifid, lanceolate/ovate, margins minutely dentate, lamina incised 1/2-3/4 to midrib apex pinnatifid, membranous or chartaceous, with hairs. Hairs clear/white, sparse/scattered throughout .

Veins: prominent, 1 vein pair uniting to form an excurrent vein to sinuses , not uniting to form a marginal or costal commissural vein, not forked.

Pinnae: longest pinna up to 25 cm long, lanceolate/ovate, 2-6 proximal pinnae pairs abruptly reduced in size, smallest basal pinnae less than 1 cm long ..

Ultimate segments : rectangular, oblong.

Rachises (midribs): not winged, grooved, with hairs. Hairs clear/white, sparse/scattered to dense throughout.

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

Sori: round, medial, 8-12 sori per segment.

Indusia: present, round/reniform, paraphyses present.

Island Distribution

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



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Status

Endemic

Occurrence

Locally common

Elevational Range

(20-)155-760 m