

Polystichum haleakalense Brack.

Family

Dryopteridaceae

Hawaiian Name

none known

Synonyms

Aspidium aculeatum Sw. var. *braunii* sensu Hillebr., non Döll; *Aspidium haleakalense* (Brack.) H. Mann

Habitat

terrestrial.

Description

Rhizome (stem): decumbent, with scales. Scales non-clathrate, pale tan to light brown, occasionally medium to dark brown (may be tinged red), concolorous, rarely bicolorous.

Fronds (leaves): 23-55 cm long, erect (may be arching or drooping) or pendent, forming rosettes, not proliferous, young leaves green.

Stipes (petioles): not winged, grooved, 1/3-1/5 frond length, light brown/tan/straw-colored, with scales and hairs. Stipe with scales, occasionally hairs. Scales hairlike and non-clathrate, pale tan to light brown, concolorous, dense throughout, lanceolate/ovate. Hairs multicellular (uniseriate), light or golden brown/tan, sparse throughout.

Vasculature at base of stipe (petiole): numerous round vascular bundles arranged in a ring.

Blades: bipinnate to bipinnate-pinnatifid, linear-lanceolate, margins toothed, chartaceous, with scales and hairs. Scales hairlike, tan, sparse/scattered to dense throughout. Hairs multicellular (uniseriate), light or golden brown/tan, dense throughout.

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

Pinnae: longest pinna 2-8 cm long, 20-30 pairs, alternate, triangular/deltate or lanceolate/ovate, proximal pinnae markedly reduced in size, margins not cartilaginous.

Pinnules: lanceolate/ovate.

Acroscopic proximal segments: auriculate.

Rachises (midribs): not winged, grooved, light brown/tan/straw-colored, with scales and hairs. Scales hairlike and non-clathrate, pale tan to light brown, concolorous, dense throughout. Hairs multicellular (uniseriate), light or golden brown/tan, dense throughout.

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

Sori: round, submedial or medial, 5-9 per segment.

Indusia: present, round, with fringed margins, paraphyses present.

Island Distribution



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Maui and Hawai'i

Status

Endemic

Elevational Range

1710-3230 m