

Polystichum bonseyi W. H. Wagner & Hobdy

Family

Dryopteridaceae

Hawaiian Name

none known

Habitat

terrestrial.

Description

Rhizome (stem): decumbent or creeping, with scales. Scales non-clathrate, light brown or medium to dark brown (may be tinged red), concolorous, larger scales bicolorous.

Fronds (leaves): up to 100 cm long, erect (may be arching), 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. Scales hairlike and non-clathrate, pale tan to reddish-brown, concolorous, larger scales bicolorous, dense throughout, lanceolate/ovate .

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

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

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

Pinnae: longest pinna up to 11 cm long, 20-33 pairs, alternate, triangular/deltate or lanceolate/ovate, proximal pinnae not or minimally 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. Scales hairlike and non-clathrate, light brown/tan, concolorous, dense throughout.

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

Sori: round, submedial to medial, 5-10 per segment.

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

Island Distribution

Maui and Hawai'i

Status



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Endemic

Occurrence

Locally common

Elevational Range

1400-2000 m