

Dryopteris sandwicensis (Hook. & Arn.) C. Chr.

Family

Dryopteridaceae

Hawaiian Name

none known

Synonyms

Polypodium sandwicensis Hook. & Arn.; *Dryopteris unidentata* sensu auct., non (Hook. & Arn.) C. Chr.; *Phegopteris crinalis* (Hook. & Arn.) H. Mann var. *tripinnata* Hillebr.; *Phegopteris sandwicensis* (Hook. & Arn.) H. Mann; *Phegopteris unidentata* sensu auct., non (Hook. & Arn.) J. Sm.; *Thelypteris sandwicensis* (Hook. & Arn.) Fosberg



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Habitat

terrestrial.

Description

Rhizome (stem): decumbent to erect, with scales. Scales medium to dark brown (may be tinged red), concolorous.

Fronds (leaves): 30-100(-125) cm long, erect (may be arching or drooping), not proliferous.

Stipes (petioles): not winged, grooved, 1/2-1/3 frond length, light brown/tan/straw-colored, with scales. Scales non-clathrate and hairlike, twisted, medium to dark brown (may be tinged red), concolorous, dense only at the extreme base, sparse distally, linear-lanceolate/ovate.

Vasculature at base of stipe (petiole): numerous round vascular bundles arranged into a semicircle or ring-shape.

Blades: bipinnate-pinnatifid/pinnatisect to tripinnate-pinnatisect, deltate, margins lobed with 1-2 small teeth, chartaceous, glabrous or with hairs and occasionally scales. Scales hairlike, light or golden brown/tan, sparse/scattered throughout. Hairs multicellular (uniseriate), clear to light brown, sparse/scattered 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 20-34 cm long, 10-16 pairs, triangular to lanceolate, proximal pinnae not or minimally reduced in size.

Ultimate segments: 3-5 mm wide, oblong-rectangular, occasionally lanceolate, apex obtuse.

Rachises (midribs): not winged, grooved, green or light brown/tan/straw-colored, glabrous or with scales. Scales non-clathrate and hairlike, light to dark brown (may be tinged red), concolorous, sparse throughout.

Sori: round, submarginal to marginal, paraphyses absent.

Indusia: absent.

Island Distribution

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

Status

Endemic

Occurrence

Locally common in scattered sites

Elevational Range

80-1265 m