

Pseudophegopteris keraudreniana (Gaudich.) Holttum

Family

Thelypteridaceae

Hawaiian Name

'akolea, ala'alai, waimakanui

Synonyms

Polypodium keraudrenianum Gaudich.; *Dryopteris keraudreniana* (Gaudich.) C. Chr.; *Dryopteris rubiformis* W. J. Rob.; *Nephrodium keraudrenianum* (Gaudich.) H. Diels; *Phegopteris keraudreniana* (Gaudich.) H. Mann; *Phegopteris keraudreniana* var. *procera* (Brack.) Hillebr.; *Phegopteris keraudreniana* var. *tripinnate* Hillebr.; *Phegopteris procera* (Brack.) H. Mann; *Polypodium procerum* Brack.; *Toppingia keraudreniana* (Gaudich.) O. Deg. & I. Deg. & A. R. Sm.; *Toppingia procerum* (Brack.) O. Deg. & I. Deg.

Habitat

terrestrial.

Description

Rhizomes (stems): long-creeping, with scales and hairs. Scales non-clathrate, medium to dark brown (may be tinged red), concolorous.

Fronds (leaves): erect (may be arching or drooping), scandent/vine-like, up to 600+ cm long, indeterminate growth, not proliferous.

Stipes (petioles): not winged, not grooved, straw-colored to reddish brown, with scales. Scales non-clathrate, light to dark brown (may be tinged red), concolorous, sparse throughout the lower half or dense only at base, glabrous to sparse distally.

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

Blades: bipinnate to bipinnate-pinnatifid/pinnatisect, lanceolate/ovate, margins entire or crenate, deltate, to lobed, chartaceous, with hairs. Hairs unicellular, sharp-tipped (acicular), clear or white, 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: opposite, longest pinna up to 80 cm long, lanceolate/ovate or elliptic.

Pinnules: oblong, to linear-triangular or linear-lanceolate.

Ultimate segments: up to 2.5 cm long, oblong, obtuse.



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Rachises (midribs): not winged, not grooved, straw-colored to somewhat pink, **glabrous**, occasionally with hairs. Hairs **unicellular**, sharp-tipped (**acicular**), clear to light brown, sparse throughout.

Costae: with hairs.

Sori: **round to slightly oblong**, submedial to submarginal, paraphyses absent.

Indusia: **absent**.

Island Distribution

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

Status

Endemic

Occurrence

Locally common

Elevational Range

200-1800 m