

Asplenium horridum Kaulf. var. horridum

Family

Aspleniaceae

Hawaiian Name

'alae, 'iwa

Synonyms

Asplenium horridum f. *mirabile* (Copel.) W. H. Wagner; *Asplenium truncatum* Blume

Habitat

terrestrial.

Description

Rhizome (stem): decumbent or creeping, 0-1.5 cm diam., with clathrate scales.

Fronds (leaves): (20-)55-130 cm long, erect (may be arching or drooping), **not proliferous**, young leaves green.

Stipes (petioles): not winged, grooved, 1/4-1/5 frond length, dark brown to purplish-black/black, **concolorous**, with scales. Scales **clathrate**, gray or medium brown to purplish-black/black, **concolorous**, **dense throughout**, **triangular/deltate**.

Vasculature at base of stipe (petiole): back-to-back C-shaped, fusing distally into a X-shape.

Blades: pinnate-pinnatifid/pinnatisect, occasionally pinnate, lanceolate/ovate or elliptic, margins shallowly dentate to lobed, apex pinnatifid, subcoriaceous, with scales. Scales **clathrate** and hairlike, light to medium brown, 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: (20-)28-50 pairs, (2-)4(-5) proximal pinna pairs reduced in size, alternate, lanceolate/ovate.

Acroscopic proximal segments: enlarged.

Rachises (midribs): not winged, grooved, dark brown to purplish-black/black, with scales. Scales **clathrate** and hairlike, dark brown to purplish-black/black, **concolorous**, **dense throughout**.

Costae: with scales.

Sori: in lines parallel and close to costae, paraphyses absent.

Indusia: present, linear, opening toward midrib (inward).

Island Distribution

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



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Status

Indigenous

Occurrence

Common

Elevational Range

200-1000 m