

Diplazium molokaiense W. J. Rob.

Family

Athyriaceae

Hawaiian Name

none known

Synonyms

Asplenium arboreum sensu Hillebr., non Willd.; *Athyrium pseudoarboreum* Copel.

Habitat

terrestrial.

Description

Rhizomes (stems): decumbent, with scales. Scales medium to dark brown (may be tinged red), concolorous.

Fronds (leaves): erect (may be arching or drooping), to 55 cm long, not proliferous.

Stipes (petioles): 1/2 (equal the length of the blade) frond length, not winged, grooved, green or light brown/tan/straw-colored, with scales. Scales medium to dark brown (may be tinged red), concolorous, sparse, only at the extreme base, lanceolate/ovate.

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

Blades: pinnate to pinnate-pinnatifid, triangular/deltate or lanceolate/ovate, margins shallowly to deeply crenate, chartaceous, glabrous.

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

Pinnae: 7-12 pairs, longest pinna 5-8.2 cm long, lanceolate/ovate, falcate, proximal pinnae not or minimally reduced in size.

Acroscopic proximal segments: enlarged or auriculate, bases truncate and parallel with rachises.

Rachises (midribs): winged or not, grooved, glabrous.

Costae: costal groove continuous with rachis groove, glabrous.

Sori: to 13 mm long, linear along veins, in lines extending toward margin, doubled at bases of pinnae and single toward tips, curved outwards, paraphyses absent.

Indusia: present, linear, opening toward midrib (inward), or occasionally toward lamina margin (outward).

Island Distribution

Kaua'i (extinct), O'ahu (extinct), Moloka'i (extinct), Lāna'i (extinct), and Mau'i

Status



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Endemic

Occurrence

Endangered

Elevational Range

770-1690 m