

Asplenium baileyana

Family:

Aspleniaceae

Botanical name

Asplenium baileyana (Domin) Watts

Link to Australian Plant Name Index for publication details and synonyms:

<https://id.biodiversity.org.au/name/apni/105179>

Common name:

Bailey's Spleentwort

Description

Lithophytic ferns with erect or semi-erect fronds. Rhizomes short-creeping, scaly. Stipe and rachis mostly dark brown becoming green near apex, slightly scaly; stipe 1.5–11 cm long, 0.5–1 mm diam. Lamina 2-pinnate at base, narrowly ovate or narrowly triangular, 6–20 cm long, 1.8–7 cm wide, dark green, thin, slightly scaly, sometimes bulbiferous near apex. Primary pinnae in 12–25 pairs, ovate to narrowly ovate; apices acute; longest pinnae at or near base, 1–4 cm long, 8–17 mm wide. Secondary pinnae elliptic or obovate; bases sessile or shortly stalked; margins entire; apices obtuse and toothed; longest pinnae 4–11 mm long, 2–8 mm wide. Sori to 4 mm long. Perisores dark with fimbriate wings and ±smooth lacunae; exospores 36.6–40.9 × 23.9–25.8 μm (means).

Distribution

Endemic to NE QLD between the Mt Windsor, and Evelyn Tableland.

Habit and habitat

Lithophytic on boulders or epiphytic on the bases of trees near creeks and waterfalls in high rainfall vine forest.

Natural history

Named after Queensland Government botanist F.M. Bailey who collected the type on Mt Bellenden Ker during the Archibald Meston expedition.

Similar species

Citation of Australian Tropical Ferns and Lycophytes

Field AR, Quinn CJ, Zich FA (2022) Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/intro/index.htm (accessed online INSERT DATE).

Field AR, Quinn CJ, Zich FA (2022) '*Platyserium superbum*', in Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/entities/platyserium_superbum.htm (accessed online INSERT DATE).



Close up of frond showing sori.
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Close up of frond showing sori.
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Close up of frond upper (adaxial) surface. © G. Sankowsky



Frond. © G. Sankowsky



Habit. © CSIRO



Rhizome. © G. Sankowsky



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