

## *Isoetes muelleri*

### Family:

Isoetaceae

### Botanical name

*Isoetes muelleri* A.Braun

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

<https://id.biodiversity.org.au/name/apni/64530>

### Description

Aquatic or amphibious herb; corm 2- or 3-lobed, 5–25 mm wide. Leaves 5–20, spirally arranged, erect or recurved, 3–38 cm long, 1–1.5 mm diam., firm or flexible, bright green; base to 15 mm wide, white; peripheral fibre strands and internal hairs absent; stomata numerous, sometimes distally restricted; trans-lacunar diaphragms obvious; ligule triangular, 1–2 mm long; labium minute or absent. Heterosporous, sporangia round, elliptic to obovate, 2–9 mm long, 2–5 mm wide, semi-translucent, pale whitish or brown, embedded in the adaxial face of the leaf base of the ordinary vegetative leaves; velum covering 15–100% of sporangium.

### Distribution

Widespread in all states and territories of Australia.

### Habit and habitat

In a range of habitats from subalpine tarns to ephemeral swamps and rockpools and the banks of lakes.

### Natural history

Named after botanist Baron Ferdinand von Mueller who provided the type specimen.

### 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](https://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](https://apps.lucidcentral.org/fern/text/entities/platyserium_superbum.htm) (accessed online INSERT DATE).



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