

Asplenium decurrens

COMMON NAME

northern shore spleenwort

SYNONYMS

Asplenium obtusatum subsp. *northlandicum* Brownsey, *Asplenium northlandicum* (Brownsey) Ogle, *Asplenium sarmentosum* Willd.

FAMILY

Aspleniaceae

AUTHORITY

Asplenium decurrens Willd.

FLORA CATEGORY

Vascular – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Ferns

CHROMOSOME NUMBER

2n = 288

CURRENT CONSERVATION STATUS

2017 | Not Threatened | Qualifiers: SO

PREVIOUS CONSERVATION STATUSES

2012 | Not Threatened

2009 | Not Threatened

2004 | Not Threatened

DISTRIBUTION

Indigenous. New Zealand: Kermadec Islands, Manawatāwhi / Three Kings Islands, North Island (from Te Paki to just south of the Tongaporutu River in the west and to Lottin point in the east). Also Australia.

HABITAT

On coastal rocks or amongst petrel scrub especially in places exposed to salt spray.

DETAILED DESCRIPTION

Rhizome stout, often forming a hard woody mass above ground, bearing brown, shiny, ovate, acuminate scales up to 15 × 4 mm. **Stipes** 20–180 mm long, dark brown at base, green above, stout, covered in narrowly triangular scales with acute or acuminate apices. **Laminae** lanceolate to ovate, 40–200 × 20–70 mm, dull green, very thick and fleshy, pinnate. **Raches** green, stout, prominently grooved and scaly. **Pinnae** 4–18 pairs, narrowly ovate to oblong, obtuse to acute, crenate-serrate to entire, cuneate at base, 10–40 × 7–12 mm, scaly on the underside. **Sori** up to 10 mm long, not reaching to lamina edge. **Spores** (39)–45–52–(60) × (25)–29–33–(38) μm.



Puheke, Karikari. Photographer: John Smith-Dodsworth, Licence: CC BY-NC.



Puheke, Karikari. Photographer: John Smith-Dodsworth, Licence: CC BY-NC.

SIMILAR TAXA

Recognised by the penchant for exposed sea cliffs; by the simply pinnate, thick and fleshy fronds which are < 30 mm wide; by the stipe and rachis which is scaly; by the usually < 8 pairs of pinnae; and by the pinnae bearing scales on the underside only. *Asplenium obtusatum* differs from *A. decurrens* by its allopatric distribution, ovate scales, mostly larger fronds, smaller spores and tetraploid chromosome number ($2n = 144$ cf. $2n = 288$ in *A. decurrens*).

PROPAGATION TECHNIQUE

Easily grown but generally rather slow. A spectacular pot plant.

ETYMOLOGY

asplenium: From the Greek a- 'without' and splene 'spleen', a northern hemisphere species, the black spleenwort (*Asplenium adiantum-nigrum*), was once believed to be a cure for diseases of the spleen.

ATTRIBUTION

Fact Sheet Prepared for NZPCN by: P.J. de Lange 29 August 2007. Description adapted from Brownsey (1977).

REFERENCES AND FURTHER READING

Brownsey P.J. 1977. A taxonomic revision of the New Zealand species of *Asplenium*. *New Zealand Journal of Botany* 15(1): 39–86. <https://doi.org/10.1080/0028825X.1977.10429618>.

NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): *Asplenium decurrens* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network. <https://www.nzpcn.org.nz/flora/species/asplenium-decurrens/> (Date website was queried)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/asplenium-decurrens/>