

Riccardia pseudodendroceros

COMMON NAME

Liverwort

SYNONYMS

None

FAMILY

Aneuraceae

AUTHORITY

Riccardia pseudodendroceros R.M.Schust.

FLORA CATEGORY

Non-vascular – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Liverworts

NVS CODE

RICPSE

CURRENT CONSERVATION STATUS

2009 | Threatened – Nationally Critical | Qualifiers: DP, OL

PREVIOUS CONSERVATION STATUS

2004 | Threatened – Nationally Critical

DISTRIBUTION

Endemic. South Island, Paparoa National Park

DETAILED DESCRIPTION

Thallus large, narrow, elongated and creeping. Growth indeterminate, branching alternate with most of the side branches of limited growth, bi-tripinnate with some quadripinnate lobing, width 1460-1970 microns. Side pinnae extensively winged with secondary one cell thick pinnae frequent; margins of ultimate pinnae upturned, crispate, sinuose. Apices distinctly dissected with lateral apices becoming short side pinnae or new main axis. Mucilage papillae ventral, a few persisting, 58-122 x 10-22 microns. Rhizoids, stolons and gemmae not known. Axis plano-convex with acute winged margins, 265-315 microns thick, internal cell walls thin to slightly thickened. Wing 1-4 cells wide. Epidermal cells gibbous with a blunt rounded apex, tending to be prominent on the ventral surface. Epidermal cells, including marginal cells usually lacking chloroplasts, shallower than the internal cells. Marginal cells not differentiated and the epidermal cell walls not sculptured. Dorsal epidermal cells round to hexagonally elongate 30-74 x 16-30 microns and 20-30 microns deep. Ventral epidermal cells similar, 42-85 x 27-38 microns, 12-36 microns deep. Dorsal subepidermal cells hexagonally elongate, 80-135 x 38-56 microns. Ventral subepidermal cells similar, 115-190 x 39-57 microns. Internal cells 174-305 x 51-68 microns and 27-67 microns deep. Oil bodies: c.25-60% of epidermal cells with 1 oil-body, 7 x 7-9 to 8-9 x 11-13 microns, subepidermal cells with 1-2 oil-bodies, 10-11 x 16 to 11-12(-14) x 19-22 microns.

FRUITING

Fruits not known



THREATS

Known only from the type gathering. Exact threats not clear but evidently a very uncommon plant.

SUBSTRATE

Alpine. Terricolous at the base of tussock (*Chionochloa* Zotov) culms.

ATTRIBUTION

Fact sheet prepared for NZPCN by P.J. de Lange (27 August 2006). Description adapted from Brown & Braggins (1989).

REFERENCES AND FURTHER READING

Brown, E.A.; Braggins, J.E. 1989: A revision on the genus *Riccardia* S.F. Gray in New Zealand with notes on the genus *Aneura* Dum. *Journal of the Hattori Botanical Laboratory* 66: 1-132.

NZPCN FACT SHEET CITATION

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<https://www.nzpcn.org.nz/flora/species/riccardia-pseudodendroceros/> (Date website was queried)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/riccardia-pseudodendroceros/>