



Riccardia pseudodendroceros

Common Name(s):

Liverwort

Current Threat Status (2009):

Threatened - Nationally Critical

Distribution:

Endemic. South Island, Paparoa National Park

Features*:

Thallus large, narrow, elongated and creping. 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.

***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.

For more information, visit:

http://nzpcn.org.nz/flora_details.asp?ID=4981