

Zoopsis bicruris

COMMON NAMES

Liverwort

BIOSTATUS

Native

CURRENT CONSERVATION STATUS

2020 | At Risk – Naturally Uncommon

[Jump to previous conservation statuses](#)

CATEGORY

Non-vascular

STRUCTURAL CLASS

Liverworts

DETAILED DESCRIPTION

Diocous, creeping, much-branched, glossy yellow-green matted plants. Shoots 8-10 x 0.41-0.45 mm, apex acute. Stems broad, flat, plano- to biconvex, 0.38-0.40 mm wide. Cells of dorsal surface in two rows, 210-250 x 130-150 x 158-168 microns. Ventral surface cells in 4 rows, central 2 with cells 47-88 x 40-70 x 35-43 microns; outer 2, 95-100 x 53-68 x 40-58 microns. Cells of central strand 9, thin-walled 18-65 x 18-28 microns. Leaves distant, bifid; leaf lobes unicellular, 42-88 x 26-41 microns, ovoid, without oil bodies or chloroplasts. Underleaves vestigial, bifid. Oil bodies of stem cells absent or 1-2 per cell, 6 microns diam., spherical, granular, pale grey. Oil bodies of leaf lobes 6-10 per cell, 5-7 microns diam., spherical, granular. Androecia unknown. Gynoecia on ventral branch 0.5 mm long. Perianth cylindrical 1.4 x 0.41 mm, with 13 teeth, 100-150 microns long. Seta 1.6 mm. Capsule 0.54 x 0.30 mm, in 2 concave segments 0.6 x 0.45 mm, 20 microns thick. Spores 13-14 microns diam. Elaters 100-200 x 9-12 microns.

DISTRIBUTION

Endemic. South Island, West Coast, Stockton Plateau, Te Kuha Ridge, Paparoa National Park, Mt Te Kinga, Mt Brown

SUBSTRATE DETAILS

Terricolous on lignin-derived humus within dark cavities under trees and also saxicolous on dark, constantly damp rock wall overhangs

THREATS

Recently (2006) described and so undoubtedly undercollected and poorly known. Indications are that it may be better rated Sparse

GENUS

Zoopsis

FAMILY

Lepidoziaceae

AUTHORITY

Zoopsis bicruris Glenny et E.A.Br.

SYNONYMS

None (first described in 2006)

ENDEMIC FAMILY

No

FRUITING

October



PREVIOUS CONSERVATION STATUS

2009 | Range Restricted

[Jump to current conservation status](#)

REFERENCES AND FURTHER READING

Renner, M.A.M.; Brown, E.A.; Glenn D.S. 2006: Two new *Zoopsis* species and their relationships to other zoopsids (Jungermanniopsida: Lepidoziaceae). *Journal of Bryology* 28: 331-344.

ATTRIBUTION

Fact Sheet Prepared for NZPCN by: P.J. de Lange (5 October 2007). Description adapted from Renner et al (2006)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/zoopsis-bicruris/>

PDF DATE

25 May 2026