Pachycladon fastigiatum

COMMON NAMES
hairless cress

BIOSTATUS
Native – Endemic taxon

CURRENT CONSERVATION STATUS
2023 | At Risk – Declining | Qualifiers: DPS, DPT
Jump to previous conservation statuses

CATEGORY
Vascular

STRUCTURAL CLASS
Herbs - Dicotyledons other than Composites

FLOWER COLOURS
White

DETAILED DESCRIPTION
Herb with stout base, up to 1.8cm diameter, crowned by dense rosettes of hairless, fleshy leaves. Leaves up to 7cm long, deeply toothed. Flower head, up to 35cm tall, with simple or branched stems. Flowers white, 4-petalled, up to 8mm across. Seed pods narrow, 4cm or more long, 1.5-2mm wide, curved to straight. Seeds 1-1.5mm long.

SIMILAR TAXA
P. enysii, P. stellatum. P. fastigiatum is hairless, has sharply toothed leaves and tall flower stems. P. enysii and P. stellatum have hairy leaves. P. enysii has short flower stems.

DISTRIBUTION
South Island: east of Southern Alps, from Marlborough to northern Southland.

HABITAT
On upland to subalpine rocks of drier interior mountains.

GENUS
Pachycladon

FAMILY
Brassicaceae

AUTHORITY
Pachycladon fastigiatum (Hook.f.) Heenan et A. Mitch.

SYNONYMS
Arabis fastigiata Hook.f., Cardamine fastigiata Hook.f., Pachycladon elongata Buchanan, Notothlaspi hookeri Buchanan, Nasturtium fastigiatum (Hook.f.) Cheeseman, Cheesemania fastigiata var. fastigiata (Hook.f.) O.E.Schulz, Cheesemania fastigiata (Hook.f.) O.E.Schulz, Cheesemania gibbsii (Cheeseman) O.E.Schulz

ENDEMIC TAXON
Yes

ENDEMIC GENUS
No

ENDEMIC FAMILY
No



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FLOWERING
December - January

FRUITING
January - March

PROPAGATION TECHNIQUE
Difficult and should not be removed from the wild.

WHERE TO BUY
Not commericially available.

ETYMOLOGY
fastigiatum: Fastigiate; from the Latin fastigium; branches lying close together, parallel and erect

NVS CODE
PACFAS

PREVIOUS CONSERVATION STATUSES
2017 | Not Threatened | Qualifiers: DP
2012 | Not Threatened
2009 | Not Threatened
2004 | Gradual Decline
Jump to current conservation status

REGIONAL CONSERVATION STATUSES
Otago: 2025 | Regionally Data Deficient | Qualifiers: TL Help
Current regional threat status assessments prepared according to Crisp et al. (2025) are displayed when available. The Otago conservation status information is sourced from the "Conservation Status of Indigenous Vascular Plants in Otago, 2025" Jarvie S et al. (2025) report.

REFERENCES AND FURTHER READING
Allan HH. 1961. Flora of New Zealand, Volume I. Indigenous Tracheophyta: Psilopsida, Lycopsida, Filicopsida, Gymnospermae, Dicotyledones. Government Printer, Wellington, NZ. 1085 p.

ATTRIBUTION
Fact Sheet prepared for NZPCN by P.J. de Lange 1 August 2003. Description based on Allan (1961) - as Cheesemania fastigiata
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MORE INFORMATION
https://www.nzpcn.org.nz/flora/species/pachycladon-fastigiatum/

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