

# Polygonum plebeium

## COMMON NAMES

small knotweed

## BIOSTATUS

Native

## CURRENT CONSERVATION STATUS

2023 | At Risk – Declining | Qualifiers: DPR, DPS, DPT, SO

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## CATEGORY

Vascular

## STRUCTURAL CLASS

Herbs - Dicotyledons other than Composites

## FLOWER COLOURS

Red/Pink

## DETAILED DESCRIPTION

Prostrate, annual to short-lived perennial, nearly hairless, grey-green, mat-forming herb. **Stems** < 15 cm long (rarely 30 cm long), angled, angles minutely hairy. **Leaves** grey-green to blue-green, unstaked (sessile), 3–9 × 0.5–1.5 mm, linear, linear-oblong or spatulate, with entire margins. **Leaf midrib** conspicuous, but lateral veins not evident. **Ochreae** (papery sheath encircling stems below leaves) 3 mm long, enclosing half of the internode between leaves, silvery-translucent, apex soon becoming lacerated. **Flowers** pink, axillary, in clusters of 1–5, stalks (pedicels) 0.5 mm long at flowering, usually enclosed by ochreae. **Nut** 1.2–1.7 mm, ovoid, dark brown or black, smooth, glossy 3-angled with ridges rounded.

## SIMILAR TAXA

*Polygonum plebeium* can only be confused with another common knotweed *P. aviculare* L.. From this species it is best distinguished by the leaves lacking obvious lateral veins, and by the smooth and glossy nuts. It is usually a smaller plant but some recent collections suggest that size may be a function of local habit conditions.

## DISTRIBUTION

Indigenous. New Zealand: North Island (historical (1860s) records from Great Barrier Island (Aotea Island) and the Ruamahanga River (Wairarapa). It has also been collected in the 1940s–1950s from Lake Waikaremoana (where it may still be present), and in the early 1990s from Lake Whangape near Huntly), South Island (despite Buchanan's early, apparently unsubstantiated records, it was first definitely gathered in 1995 from Otematata, and has since been found in several other central Otago sites, where in places it can be common (B. Patrick pers. comm.)). Also Africa, India, Asia and Australia.

## HABITAT

Weed of dried lake, pond and river beds, salt and clay pans. Sometimes in roadside ditches.

## THREATS

*Polygonum plebeium* has been listed as Data Deficient because it seems to be genuinely scarce and it may be indigenous. Currently it is treated as naturalised in Flora IV, although even there it is suggested that it might be native. The issue is confused because the colonial botanist John Buchanan listed it (as *P. dryanderi*) as spreading rapidly from the Dunedin docks into parts of central Otago during the gold rush of the 1860s. Although his record does not seem to be substantiated by herbarium specimens, the majority of modern collections have come from Otago. Threats to the species are not immediately obvious, though it seems to have virtually died out in the North Island.



Lake Kiriopukae. Photographer: Graeme Jane, Licence: CC BY-NC.



Lake Kiriopukae. Photographer: Graeme Jane, Licence: CC BY-NC.

## GENUS

Polygonum

## FAMILY

Polygonaceae

## AUTHORITY

Polygonum plebeium R.Br.

## SYNONYMS

Polygonum dryanderi Spreng., Polygonum aviculare var. dryanderi (Spreng.) Hook.f.

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## FLOWERING

October–April

## FRUITING

November–May

## PROPAGATION TECHNIQUE

Probably easy to grow from fresh seed and cuttings.

## PREVIOUS CONSERVATION STATUSES

2017 | At Risk – Declining | Qualifiers: DP, SO

2012 | Data Deficient | Qualifiers: SO

2009 | Data Deficient | Qualifiers: SO

2004 | Data Deficient

[Jump to current conservation status](#)

## REGIONAL CONSERVATION STATUSES

Auckland: 2025 | Regionally Extirpated Help

The regional threat classification system leverages off the national assessments in the NZTCS, providing information relevant for the regional context. Auckland conservation status information is sourced from the "[Conservation status of vascular plant species in Tāmaki Makaurau / Auckland](#)" Simpkins E et al. (2025) report.

Otago: 2025 | Regionally Data Deficient Help

The regional threat classification system leverages off the national assessments in the NZTCS, providing information relevant for the regional context. Otago conservation status information is sourced from the "[Conservation Status of Indigenous Vascular Plants in Otago, 2025](#)" Jarvie S et al. (2025) report.

## ATTRIBUTION

Fact sheet prepared by P.J. de Lange for NZPCN (1 June 2013)

## NZPCN FACT SHEET CITATION

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## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/polygonum-plebeium/>

## PDF DATE

27 May 2026