

Veronica mooreae

COMMON NAMES

Moore's hebe

SYNONYMS

Leonohebe mooreae Heads var. mooreae, Leonohebe mooreae var. telmata Heads, Hebe mooreae (Heads) Garn.-Jones

FAMILY

Plantaginaceae

AUTHORITY

Veronica mooreae (Heads) Garn.-Jones

FLORA CATEGORY

Vascular – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Trees & Shrubs - Dicotyledons

NVS CODE

HEBMOO

CHROMOSOME NUMBER

2n = 126

CURRENT CONSERVATION STATUS

2017 | Not Threatened

PREVIOUS CONSERVATION STATUSES

2012 | Not Threatened

2009 | Not Threatened

2004 | Not Threatened

SIMPLIFIED DESCRIPTION

Low-growing bushy shrub bearing pairs of narrow leaves with a rough margin (lens needed) and an abrupt shoulder at the leaf stalk, inhabiting western South Island mountains. Leaves 14-18mm long, with ridge along underside. Leaf bud with triangular gap between leaves at base. Flower spike near tip of twig.

DISTRIBUTION

Widespread in the South Island, from the Wakamarama Range in the north to the Longwood Range in the south, chiefly on the wetter mountains west of the Main Divide.

HABITAT

Mostly in penalpine grassland and subalpine shrubland.



Hebe mooreae. Photographer: Sandra Wotherspoon, Licence: CC BY-NC.

DETAILED DESCRIPTION

Spreading low or bushy shrub to 1.2 (-2) m tall. Branches erect, old stems brown; branchlets green, pubescent (with somewhat strap-like, white, multicellular hairs often more or less appressed and upward-facing), hairs bifarious; internodes 1-4 (-8) mm; leaf decurrencies swollen and extended for length of internode (usually somewhat saddle-shaped); leaves abscising above nodes and lower part of petioles remaining attached to stem. Leaf bud distinct; sinus broad and shield-shaped. Leaves erecto-patent; lamina oblong or oblong-elliptic or oblong-lanceolate, rigid, slightly concave, (7-) 14-18 (-28) x (3-) 4-6 (-8) mm; apex acute or subacute; base cuneate (mostly) or truncate; midrib thickened below and depressed to grooved above (but not necessarily prominent on upper surface); margin glabrous, minutely crenulate; upper surface dark green, glossy, without evident stomata (usually) or with many stomata (on plants from Caswell Sound or Denniston Plateau), glabrous; lower surface dark green; petiole 1-3 mm, glabrous. Inflorescences with 3-13 flowers, lateral, unbranched, 0.8-2.9 cm, shorter to longer than subtending leaves; peduncle 0.1-0.5 cm; rachis 0.7-2.6 cm. Bracts opposite and decussate, connate, ovate or deltoid, obtuse or subacute. Flowers hermaphrodite. Pedicels absent or when present always shorter than bracts, 0-1 mm. Calyx 3.3-4.5 mm, with anterior lobes free for most of their length or united to 1/3-way to apex; lobes lanceolate or ovate, subacute or obtuse, eglandular ciliolate or with mixed glandular and eglandular cilia (can vary on calyces from one plant). Corolla tube hairy inside or glabrous, approximately 4 x 2.4-2.6 mm, funnellform (narrowly) and contracted at base, equalling or longer than calyx; lobes white at anthesis, elliptic (often broadly) or lanceolate (anterior only), obtuse. patent to recurved, longer to shorter than corolla tube, sparsely hairy inside. Stamen filaments 3-4 mm; anthers pink (often faintly). Ovary ovoid or ellipsoid or globose, 1-1.3 mm; ovules 8-15 per locule; style 5.5-8.5 mm. Capsules subacute or obtuse, 3.5-4.5 x 2-2.8 mm, loculicidal split extending 1/4-way to base. Seeds flattened, more or less broad ellipsoid, more or less winged, more or less smooth, pale brown, 1.2-1.8 x 0.9-1.2 mm, micropylar rim approximately 0.4 mm.

SIMILAR TAXA

Veronica mooreae can be distinguished from similar species of "Buxifoliae" (see Bayly & Kellow 2006) by having a combination of: bracts not extending beyond tips of calyces; inflorescences that are strictly lateral; no stomata on the upper leaf surface, except in some specimens from the Caswell Sound (Fiordland) and Denniston Plateau (Nelson) areas; leaves that are sharply keeled beneath (along the midrib) throughout their length; leaf buds that are usually not closely surrounded by several imbricate leaf pairs (particularly when compared with *V. masoniae* and *V. pauciramosa*); anterior calyx lobes that are usually free, but may be united up to 1/3 the way to the apex; and corolla lobes that are comparatively broad relative to their length (particularly when compared with *V. odora* and *V. pauciramosa*). An often-conspicuous feature of *V. mooreae* is possession of strongly crenulate leaf margins. This feature is not, however, evident on all specimens, and is also seen on some specimens of *V. odora*.

FLOWERING

November-February (-June)

FLOWER COLOURS

White

FRUITING

January-June (-December)

LIFE CYCLE

Seeds are wind dispersed (Thorsen et al., 2009).

ETYMOLOGY

veronica: Named after Saint Veronica, who gave Jesus her veil to wipe his brow as he carried the cross through Jerusalem, perhaps because the common name of this plant is 'speedwell'. The name Veronica is often believed to derive from the Latin vera 'truth' and iconica 'image', but it is actually derived from the Macedonian name Berenice which means 'bearer of victory'.

mooreae: Honours Lucy B. Moore (1906-87), former botanist at DSIR Botany Division, who prepared most of the last comprehensive treatment of Hebe (in Allan 1961).

ATTRIBUTION

Description adapted by M. Ward from Bayly & Kellow (2006).

REFERENCES AND FURTHER READING

Allan, H.H. 1961. Flora of New Zealand. Vol. 1. Wellington: Government Printer.

Bayly, M.J., Kellow, A.V. 2006. *An illustrated guide to New Zealand Hebes*. Wellington, N.Z.: Te Papa Press 218 pp.

Thorsen, M.J.; Dickinson, K.J.M.; Seddon, P.J. 2009. Seed dispersal systems in the New Zealand flora. *Perspectives in Plant Ecology, Evolution and Systematics* 11: 285-309.

NZPCN FACT SHEET CITATION

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MORE INFORMATION

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