

Myosotis mooreana

COMMON NAME

forget-me-not

SYNONYMS

None - first described in 2012

FAMILY

Boraginaceae

AUTHORITY

Myosotis mooreana C.A.Lehnebach

FLORA CATEGORY

Vascular – Native

ENDEMIC TAXON

Yes

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Herbs - Dicotyledons other than Composites

CURRENT CONSERVATION STATUS

2017 | Threatened – Nationally Critical | Qualifiers: DP, OL, Sp

PREVIOUS CONSERVATION STATUSES

2012 | Threatened – Nationally Critical | Qualifiers: DP, OL, RR, Sp

2009 | Threatened – Nationally Critical | Qualifiers: DP, OL

DISTRIBUTION

Endemic. New Zealand: South Island (North West Nelson (Kahurangi National Park))

HABITAT

Myosotis mooreana is so far known only from a single population growing in leaf litter accumulated around boulders in closed red beech (*Fuscospora fusca*) forest.



DETAILED DESCRIPTION

Plant perennial, c.20 mm tall. Rosette leaves 5–12, obovate, 32.4–56.0 × 15.8–20.5 mm; apex mucronulate, c.0.4 mm long. Leaf lamina base attenuate to petiole. Leaf indumentum hispid, hairs on upper surface sparsely distributed, antrorse, arcuate or erect. Hairs on the lower surface sparsely distributed, retrorse, arcuate or erect. Hairs arcuate or straight on margin. Petiole 26 – 40 × 1.4–1.8 mm, hispid, hairs erect, arcuate, antrorse or retrorse on margins. Flowering stem ascending, dark green to brown, 210.0 × 1.5–1.9 mm. Hairs, appressed, arcuate or erect, 0.8–2.1 mm long. Stem leaves elliptic-obovate, mucronulate, 15.3–35.4 × 6.4–14 mm, either shortly petiolate or sessile towards distal end of the inflorescence. Indumentum as for rosette leaves. Cyme with 15–31 flowers. Pedicel at fruiting, 2.5–2.9 mm. Calyx lobes lanceolate, 2.3–2.8 mm long, hairs inside calyx in upper half or along entire lobe. Fruiting calyx 2.7–2.8 mm long, hairs densely distributed, overlapping and hooked or straight. Corolla white with yellow scales, 3.8–4.8 mm across, lobes ovate, 2.0 × 1.6–1.8 mm; not overlapping, apex rounded or irregularly notched. Corolla tube 3 mm long. Stamens included within the corolla tube, with only the anther's appendage above the scales. Filament attached below the scales. Anther 0.8 × 0.2 mm. Style 3 mm long, stigma clavate. Nutlet smooth, dark brown, ovoid to ellipsoid, 1.4 –1.5 × 0.7–0.9 mm, ventral surface keel.

SIMILAR TAXA

Myosotis mooreana is most similar to *M. forsteri* and *M. brockiei*. It differs from *M. forsteri* by its obovate rosette leaves; larger leaves at base of the cyme and smaller calyx at fruiting. It differs from *M. brockiei* by its smaller flowers (3.8–4.8 mm vs 9.0–10 mm); by its stamens which are included within the corolla tube; by its fruiting calyx furnished with a shorter pedicel (2.5–2.9 mm vs 3.6–4.3 mm); and by the hispid indumentum on leaves and petiole.

FLOWERING

January

FRUITING

January

PROPAGATION TECHNIQUE

Unknown

THREATS

Myosotis mooreana is currently known from only six individuals growing in a single site within the Kahurangi National Park. For this reason it has been listed as Nationally Critical by Lehnebach (2012).

ETYMOLOGY

myosotis: Mouse-eared

ATTRIBUTION

Fact sheet prepared for NZPCN by P.J. de Lange (5 September 2012).
Description adapted from Lehnebach (2012)

REFERENCES AND FURTHER READING

Lehnebach, C.A. 2012: Two new species of forget-me-nots (Boraginaceae) from New Zealand. *Phytokeys* 16: 53-64. (doi: 10.3897/phytokeys.16.3602 www.phytokeys.com)

NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): *Myosotis mooreana* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network.

<https://www.nzpcn.org.nz/flora/species/myosotis-mooreana/> (Date website was queried)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/myosotis-mooreana/>