



Veronica macrocarpa var. *macrocarpa*

Common Name(s):

Hebe

Current Threat Status (2012):

Not Threatened

Distribution:

North Island, from near Whangarei to near Kawhia, including islands of Hauraki Gulf and the Mercury Islands.

Habitat:

It occurs in coastal to upland areas, in scrub, at forest margins or in open areas in forest, and on rocky sites

Features*:

Bushy shrub to 3 m tall. Branches erect, old stems brown or grey; branchlets green, pubescent or glabrous, hairs bifarious or uniform; internodes (2-) 5-41 mm; leaf decurrencies obscure or weakly evident (with a faint ridge along medial line). Leaf bud distinct; sinus absent. Leaves erecto-patent to recurved; lamina lanceolate or linear or oblong or oblanceolate or elliptic (often narrowly), coriaceous, m-shaped in transverse section, (23-) 45-110 (-163) x (5-) 9-22 (-32) mm; apex acute to obtuse or apiculate or sometimes acuminate; base cuneate or truncate; brochidodromous secondary veins sometimes evident in fresh leaves; margin narrowly cartilaginous, ciliate or glabrous; upper surface green or dark green, usually glossy, without evident or rarely with few stomata, hairy along midrib (usually) or glabrous; lower surface light green. Juvenile leaves crenate, ciliate (and with scattered hairs above midrib). Inflorescences with (13-) 25-85 flowers, lateral, unbranched, 3-13.2 cm, shorter to longer than subtending leaves; peduncle 0.6-1.9 (-3.6) cm; rachis (2-) 3-11.3 cm. Bracts alternate (apart from lowermost pair in most cases), lanceolate or deltoid (sometimes narrowly) or oblong, obtuse to acute or acuminate. Flowers hermaphrodite. Pedicels 1.5-5.5 mm, sometimes recurved in fruit. Calyx (2-) 2.5-3.7 (-4.2) mm; lobes lanceolate or elliptic or ovate or deltoid, acute to obtuse, very rarely hairy outside. Corolla tube hairy inside, (2.2-) 3.2-5.5 x 2.8-4.2 mm, funnel form and contracted at base, at least slightly longer than calyx; lobes white or tinged with pink or mauve at anthesis, white with age, ovate or elliptic, obtuse, erect to patent (usually only posterior lobe patent), shorter to longer than corolla tube, sometimes ciliate or hairy inside; corolla throat white or violet. Stamen filaments white, 5.5-12.2 mm; anthers mauve or pink or violet or yellow, 2.3-3 mm. Ovary very rarely hairy, 1-1.6 mm; ovules approximately 8-10 per locule; style 5-11.5 mm. Capsules acute or subacute, 3.8-10 x 3-6.5 mm, loculicidal split extending 1/4-1/2-way to base. Seeds flattened (sometimes strongly), broad ellipsoid to discoid, winged, more or less smooth, brown (sometimes pale), 1-2.5 (-3.2) x 0.9-1.7 mm, micropylar rim 0.2-0.6 mm.

Flowering:

April-November (-January)

Fruiting:

January-December (-January)

Threats:

Not Threatened

*Attribution:

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

References and further reading:

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Bayly, M.J., Kellow, A.V. 2006. An illustrated guide to New Zealand Hebes. Wellington, N.Z.: Te Papa press pg. 202-204.

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Druce, A. P. 1980. Trees, shrubs, and Lianes of New Zealand (including wild hybrids). Unpublished checklist held at Landcare Research, Lincoln, New Zealand. (Copy also held in the library of the Museum of New Zealand Te Papa Tongarewa, Wellington.)

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Hair, J.B. 1967. Contributions to a chromosome atlas of the New Zealand flora - 10 *Hebe* (Scrophulariaceae). New Zealand Journal of Botany 5: 322-52.

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

For more information, visit:

http://nzpcn.org.nz/flora_details.asp?ID=1993



Caption: Huia (Mt Donald Mclean)
Photographer: Gillian Crowcroft



Caption: Leaf buds from one plant, with and without sinus. May 2008.
Photographer: Jeremy Rolfe from a specimen collected by Peter de Lange.