

Hibiscus richardsonii

COMMON NAMES

native hibiscus, puarangi

BIOSTATUS

Native

CATEGORY

Vascular

STRUCTURAL CLASS

Herbs - Dicotyledons other than Composites

FLOWER COLOURS

Cream, White

DETAILED DESCRIPTION

Annual to short-lived perennial herb up to 1 m tall. Stems densely clothed in stellate hairs when young becoming glabrescent with age. Lower leaves puberulent, suborbicular, entire to finely serrated, stem leaves pale green at first becoming purple-red with age, palmately 3-5-lobed, 10-60 mm long, puberulent, segments finely serrated (rather deeply serrated). Flowers solitary and axillary, rarely pseudoterminal; epicalyx segments (8-)10-13, free to near base, linear-lanceolate, calyx deeply campanulate; calyx teeth ovate-triangular, somewhat < tube in length. Petals (5)-10(-15) mm long, uniformly white, cream to very pale yellow, basally sometimes with pale reddish-pink striations. Capsule long persistent, with papery calyx. Seeds 1.5-2 mm, finely papillate

SIMILAR TAXA

A naturalised race of *Hibiscus trionum* is often confused with *H. richardsonii* (see de Lange et al. 2010; Craven et al. 2011). It has larger, more deeply divided and lobed leaves, much larger pale-yellow to yellow flowers which open fully, petals which are consistently and distinctly basally blotched dark brown, purple-red or maroon, and larger seeds.

DISTRIBUTION

Indigenous. New Zealand, North Island, from Te Pahi eastward to Hicks Bay, including Great Barrier and Mayor (Tuhua) Islands. Also Australia (New South Wales)

HABITAT

Strictly coastal, growing in recently disturbed habitats, such as around slip scars, within petrel colonies, on talus slopes, and under open coastal scrub and forest. At Mayor (Tuhua) Island it is associated with an old pa site. The seed is long-lived, and has a persistent seed bank, such that this species often appears following major habitat disturbances caused by storm damage or fire

CURRENT CONSERVATION STATUS

2023 | Threatened – Nationally Critical | Qualifiers: Sp, DPS, DPT, EF, TO

THREATS

Hibiscus richardsonii is very palatable to stock, and it is prone to being outcompeted by faster growing and taller weeds. As a species requiring open ground it is especially vulnerable to this threat. Previously regarded (as *Hibiscus* aff. *trionum* (AK 218967; New Zealand)) as Nationally Critical in de Lange et al. (2009)

DETAILED TAXONOMY

FAMILY

Malvaceae



In cultivation. Photographer: Jeremy R. Rolfe, Date taken: 24/02/2013, Licence: CC BY.



In cultivation. Photographer: Jeremy R. Rolfe, Date taken: 24/02/2013, Licence: CC BY.

AUTHORITY

Hibiscus richardsonii Lindl.

SYNONYMS

Has been erroneously referred to *Hibiscus trionum* L.

ENDEMIC TAXON

Indeterminate

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

ECOLOGY

FLOWERING

(September-) October - May

FRUITING

(September-) June (potentially all year round)

LIFE CYCLE AND DISPERSAL

Seeds are dispersed by wind and possibly granivory (Thorsen et al., 2009).

PROPAGATION TECHNIQUE

Easy from seed. A short-lived perennial which behaves as an annual in colder climates. Frost-sensitive. Does best in an open, sunny situation. can be somewhat weedy, and has a very persistent seed-bank

OTHER INFORMATION

ETYMOLOGY

hibiscus: Name of very ancient origin used by the Roman poet Virgil for the marsh mallow plant.

CHROMOSOME NUMBER

$2n = 28$

PREVIOUS CONSERVATION STATUSES

2017 | Threatened – Nationally Critical | Qualifiers: CD, DP, EF, Sp, TO

2012 | Threatened – Nationally Critical | Qualifiers: CD, EF, Sp, TO

2009 | Threatened – Nationally Critical | Qualifiers: EF, Sp, TO

2004 | Threatened – Nationally Endangered

REFERENCING AND CITATIONS

REFERENCES AND FURTHER READING

- Craven, L.A.; de Lange, P.J.; Lally, T.R.; Murray, B.G.; Johnson, S.B. 2011. The indigenous Australasian bladder ketmia species (*Hibiscus trionum* complex, Malvaceae). *New Zealand Journal of Botany* 49: 27–40.
- de Lange, P.J.; Norton, D.A.; Courtney, S.P.; Heenan, P.B.; Barkla, J.W.; Cameron, E.K.; Hitchmough, R.; Townsend, A.J. 2009: Threatened and uncommon plants of New Zealand (2008 revision). *New Zealand Journal of Botany* 47: 61–96.
- de Lange, P.J.; Heenan, P.B.; Norton, D.A.; Rolfe, J.R.; Sawyer, J.W.D. 2010: Threatened Plants of New Zealand. Christchurch, Canterbury University Press. 471pp.
- Johnson, A. T. and Smith, H. A (1986). Plant Names Simplified: Their pronunciation, derivation and meaning. Landsman Bookshop Ltd: Buckenhill, UK.
- Murray, B.G.; Craven, L.A.; de Lange, P.J. 2008: New observations on chromosome number variation in *Hibiscus trionum* s.l. (Malvaceae) and their implications for systematics and conservation. *New Zealand Journal of Botany* 46: 315–319.
- 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

ATTRIBUTION

Fact sheet prepared by P.J. de Lange (September 2009). Description based on de Lange et al. (2010).

NZPCN FACT SHEET CITATION

Please cite as: de Lange, P.J. (Year at time of access): *Hibiscus richardsonii* Fact Sheet (content continuously updated). New Zealand Plant Conservation Network. <https://www.nzpcn.org.nz/flora/species/hibiscus-richardsonii/> (Date website was queried)

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/hibiscus-richardsonii/>

PDF DATE

24 October 2024