

# Schoenoplectus tabernaemontani

## COMMON NAMES

kuawa

## SYNONYMS

*Schoenoplectus validus* (Vahl) Á.Löve & D.Löve. In the past New Zealand plants have been erroneously referred to *Scirpus lacustris* L. and *Schoenoplectus lacustris* (L) Palla.

## FAMILY

Cyperaceae

## AUTHORITY

*Schoenoplectus tabernaemontani* (C.C.Gmel.) Palla

## FLORA CATEGORY

Vascular – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## STRUCTURAL CLASS

Sedges

## NVS CODE

SCHTAB

## CHROMOSOME NUMBER

2n = 42

## CURRENT CONSERVATION STATUS

2017 | Not Threatened | Qualifiers: SO

## PREVIOUS CONSERVATION STATUSES

2012 | Not Threatened

2009 | Not Threatened

2004 | Not Threatened

## DISTRIBUTION

Indigenous. North, South and Chatham Islands. Throughout the North Island, In the South Island present in Nelson, Marlborough, Westland otherwise only around Christchurch and Lake Ellesmere. On the Chatham Islands known from one place—here it is possibly introduced. Otherwise found throughout the world.

## HABITAT

Coastal to montane (up to 300 m a.s.l.). Mostly in standing water, growing in brackish or freshwater systems such as lakes, ponds, lagoons, river and stream margins. Also found well inland around geothermal systems.

## WETLAND PLANT INDICATOR STATUS RATING

OBL: Obligate Wetland

Almost always is a hydrophyte, rarely in uplands (non-wetlands).



*Schoenoplectus tabernaemontani*.  
Photographer: John Barkla, Licence: CC BY.



Nuts with hypogenous bristles. Pauatahanui Inlet. Photographer: Jeremy R. Rolfe, Date taken: 22/03/2009, Licence: CC BY.

## DETAILED DESCRIPTION

**Rhizome** 3–8 mm diameter, horizontal, hard and woody, red-brown, with loose papery, grey, well spaced, scales, 20 mm long; roots numerous, fibrous, reddish. **Culms** 0.6–3.0 m, 3–10 mm diameter, crowded or distant on rhizome, terete with spongy pith. **Leaves** reduced to loose, grey-brown, papery sheaths at base of culms, the uppermost to 350 mm long. **Inflorescence** seemingly lateral, comprised of numerous spikelets in a cymose irregular umbel, primary rays 10–60 mm long, scabrid; subtending terete bract.

## SIMILAR TAXA

*Schoenoplectus californicus* (C.A.Mey.) Palla is an aggressive weedy species that is somewhat similar. It reaches 4 m in height, and differs by the culm being triangular in the upper third rather than terete (in cross-section) for its entire length, by the pendulous rather than spreading spikelets and plumose rather than scabrid hypogynous bristles. *Schoenoplectus pungens* (Vahl) Palla differs by its consistently triangular (in cross section) culms, and sessile 1–3 spikelets. Overall it is a much smaller plant than either of the other two species.

## FLOWERING

November–January

## FRUITING

January–May

## PROPAGATION TECHNIQUE

Easily grown from fresh seed and the division of whole plants. An important and valuable plant for treating effluent and other polluted water, and so now widely used in artificial wetlands for this purpose.

## CULTURAL USE/IMPORTANCE

The culms were occasionally used by Māori along with the korari of the flax (*Phormium tenax* J.R.Forst. et G.Forst) to make rafts, and as a flooring in waka.

## ATTRIBUTION

Description adapted from Moore and Edgar (1970).

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## REFERENCES AND FURTHER READING

Moore LB, Edgar E. 1970. Flora of New Zealand, Volume II. Indigenous Tracheophyta: Monocotyledones except Gramineae. Government Printer, Wellington, NZ. 354 p.

## MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/schoenoplectus-tabernaemontani/>

## PDF DATE

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