

**Lake Rotokauwau, Wanganui**  
**Wanganui Plant List No 199**

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**Plants listed were all in water or on swampy fringes**

**Regionally uncommon or declining species** of the wetlands include *Hydrocotyle hydrophila*, *Rorippa palustris* (yellow marsh cress), *Isolepis distigmata*, *Bolboschoenus fluviatilis* (kukuraho), *Potamogeton ochreatus* (blunt pondweed). No species with a national conservation status (de Lange et al. 2004) was found here.

**Last update of the list 6.11.08**

C&W = Records by Champion & Wells (2003), \* denotes adventive species

**Abundance Ratings**

a = abundant; c = common; o = occasional; u = uncommon

l = local (species in small area, but can be common or abundant there)

x = present, but abundance not assessed

Formal name	Common name	Abundance	C&W 2003
<b>Dicot trees, shrubs and lianes</b>			
<i>Calystegia sepium</i> ssp. <i>roseum</i> .	convolvulus	u	
<i>Calystegia silvatica</i>	greater bindweed	u	
<i>Coprosma propinqua</i>		2	
<i>Coprosma rhamnoides</i>		u (2 + sdlg)	
<i>Coprosma rigida</i>		1	
<i>Coprosma robusta</i>	karamu	o	
<i>Coprosma tenuicaulis</i>	swamp coprosma	u (3)	
<i>Coriaria arborea</i>	tutu	u	
* <i>Crataegus monogyna</i>	hawthorn	u	
<i>Melicytus ramiflorus</i>	mahoe	l	
<i>Muehlenbeckia australis</i>	pohuehue	l	
<i>Muehlenbeckia australis</i> X <i>M. complexa</i>	small-leaved pohuehue	u	
<i>Myrsine australis</i>	mapou	6-8 <sup>1</sup>	
<i>Parsonsia capsularis</i>	NZ jasmine	1	
<i>Parsonsia heterophylla</i>	NZ jasmine	l	
* <i>Rubus fruticosus</i> agg.		lc	
* <i>Salix cinerea</i>	grey willow	a	
* <i>Salix fragilis</i>	crack willow	local	
* <i>Sambucus nigra</i>	elderberry	u	
<b>Monocot tree</b>			
<i>Cordyline australis</i>	cabbage tree, ti kouka	o	

<sup>1</sup> Mature trees on 'the island'

## Dicot herbs

* <i>Amaranthus lividus</i>	purple amaranth	la
* <i>Apium nodiflorum</i>	water celery	lc
* <i>Bidens frondosa</i>	beggar's ticks	u
<i>Callitriche petriei</i>	native starwort	c
* <i>Callitriche stagnalis</i>	starwort	u
<i>Centella uniflora</i>		o
* <i>Centipeda cunninghamii</i> <sup>2</sup>	sneezewort	u
* <i>Conyza albida</i>	fleabane	1
<i>Cotula coronopifolia</i>	bachelor's button	o
<i>Euchiton involucratus</i>		u
* <i>Galium palustre</i>	marsh bedstraw	c
<i>Glossostigma elatinoides</i>		lc
<i>Hydrocotyle heteromeria</i>	waxweed	1
<i>Hydrocotyle hydrophila</i>		u
<i>Hydrocotyle novaeseelandiae</i>		c
<i>Lilaeopsis ruthiana?</i>	tape-measure plant	lc
<i>Lobelia anceps</i>		u
* <i>Lotus pedunculatus</i>	lotus major	c
* <i>Ludwigia palustris</i>		c
* <i>Mentha pulegium</i>	pennyroyal	lc
* <i>Myosotis laxa</i>	water forget-me-not	o
<i>Myriophyllum propinquum</i>	water milfoil	c
* <i>Polygonum hydropiper</i>	water pepper	c
<i>Polygonum salicifolium</i>	native willow-weed	o
<i>Potentilla anserinoides</i>	silver-weed	u
<i>Ranunculus amphitrichus</i>	waoriki	1
* <i>Ranunculus flammula</i>	spearwort	u
* <i>Ranunculus repens</i>	creeping buttercup	c
* <i>Ranunculus sceleratus</i>	celery-leaved buttercup	o
<i>Rorippa palustris</i>	yellow marsh cress	o
* <i>Senecio bipinnatisectus</i>	fireweed	u
* <i>Solanum nigrum</i>	black nightshade	u
* <i>Sonchus asper</i>	prickly sowthistle	1
* <i>Stachys sylvatica</i>	hedge woundwort	1

## Monocot herbs

* <i>Agrostis stolonifera</i>	creeping bent	c (1a)
<i>Baumea rubiginosa</i>		lc
<i>Bolboschoenus fluviatilis</i>	kukuraho	u
<i>Carex lambertiana</i> <sup>3</sup>		u
<i>Carex lessoniana</i>	cutty-grass	c (1a)
<i>Carex maorica</i>		c
* <i>Carex ovalis</i>		u
<i>Carex secta</i>	purei	o (1c)
<i>Carex virgata</i>		o
<i>Cortaderia toetoe</i>	wetland toetoe	u

<sup>2</sup> Semi-erect, some rooting at nodes at base; flower head sessile; fruits thickened at tip and hairy on angles (see Walsh 2001).

<sup>3</sup> An unusual habitat for this *Carex* – usually a forest species. CHR 583792

<i>Cyperus ustulatus</i>	mariscus	o	
* <i>Dactylis glomerata</i>	cocksfoot	lc	
<i>Eleocharis acuta</i>	sharp spike-sedge	c	
<i>Eleocharis gracilis</i>	slender spike-sedge	u	
<i>Eleocharis sphacelata</i>	bamboo spike-sedge		√ <sup>4</sup>
* <i>Holcus lanatus</i>	Yorkshire fog	lc	
* <i>Iris foetidissima</i>	stinking iris	lc	
<i>Isolepis distigmatosa</i>		u	
<i>I. inundata</i>		u	
<i>Isolepis reticularis</i>		u	
* <i>I. setacea</i>		u	
* <i>Juncus articulatus</i>	jointed-leaved rush	c	
* <i>Juncus bufonius</i>	toad rush	l	
<i>Juncus edgariae</i>		c	
(ex- <i>J. gregiflorus</i> )			
* <i>Juncus effusus</i>	soft rush	c	
<i>Juncus sarophorus</i>		o	
<i>Lemna</i> sp. ( <i>L. minor</i> of NZ authors)	duckweed	c	
* <i>Paspalum dilatatum</i>	paspalum	u	
* <i>Paspalum distichum</i>	Mercer grass	lc <sup>5</sup>	
<i>Phormium tenax</i>	harakeke, NZ flax	o	
<i>Poa trivialis</i>		la	
* <i>Potamogeton crispus</i>			√
<i>Potamogeton ochreatus</i>	blunt pondweed	x <sup>6</sup>	
* <i>Schedonorus phoenix</i>	tall fescue	lc	
<i>Schoenoplectus tabernaemontani</i>	kapungawha	lc	
<i>Schoenus maschalinus</i>		u	
<i>Typha orientalis</i>	raupo	la	√
* <i>Zantedeschia aethiopica</i>	arum lily	1	

## Ferns

<i>Asplenium oblongifolium</i>	shining spleenwort	1	
<i>Azolla filiculoides</i> ssp. <i>rubra</i>	Pacific azolla	la	√
<i>Blechnum minus</i>	swamp kiokio	o	
<i>Blechnum novae-zelandiae</i>	kiokio	1	
<i>Diplazium australe</i>		u	
<i>Hypolepis ambigua</i>		c	
<i>Microsorium pustulatum</i>	hound's tongue fern	u	
<i>Paesia scaberula</i>	ringfern	1	
<i>Pneumatopteris pennigera</i>		1	
<i>Pteridium esculentum</i>	bracken	u	
<i>Pteris pendula</i> ( <i>P. macilenta</i> of NZ authors)		1	

## Characean alga

<sup>4</sup> I find this most unexpected, because Champion & Wells (2003) recorded so few plants and our survey didn't encounter this very conspicuous sedge, and also that *E. sphacelata* has a very sparse distribution in this region. CCO

<sup>5</sup> Only in cut-off pool near woolshed

<sup>6</sup> Piece brought up from 50 cm deep by J Campbell, DoC, in March 2005

Inside the fence near the woolshed is a row of planted shrubs and trees that include oaks (*Quercus robur*, *Q. ilex*, *Q. palustris*), swamp cypress (*Taxodium distichum*) and a variegated elderberry (*Sambucus nigra* – young plants occur under the nearby willows and should be eradicated before they spread further).

The 'island' has a small grazed area with a presumably natural grove of cabbage trees, mapou (*Myrsine australis*, 8-12 large specimens) and mahoe (> 20 trees and shrubs). Another grove of 40 or more mahoe occurs on dunes below the water tank at the eastern end of the lake.

## REFERENCES

- Champion, P. D. & Wells, R. D. S. 2003. The aquatic vegetation of the Manawatu-Wanganui Region: status and management. *NIWA Client Report: HAM2003-109*. NIWA, Hamilton.
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- Ravine, D.A 1992. Foxton Ecological District. *Protected Natural Areas survey report No. 19*. DOC Wanganui: pp 136-138
- Walsh, N G 2001. A revision of *Centipeda* (Asteraceae). *Muelleria* 15: 33 – 64.