

## WANGANUI PLANT LIST NO. 62

### Vascular Plants of Ihupuku Swamp, Waverley

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Surveys by John Barkla, Jim Campbell, Wayne Hutchinson, Norm Marsh, Colin Ogle and others

30 July 1993, 21 December 1993, 25 January 1994; 15 Nov. 1999

N Singers, H Flanagan, 26 February 1997

R Johnson 7/12/2004 – pink ragwort (1 plant pulled out Q22 496 565)

Last updated: 30 Nov. 1999; nomenclature updated by CCO 1 Dec 2011; added footnote about *Spiranthes*  
27.11.13

\* denotes adventive species

#### Abundance

a = abundant

c = common

o = occasional

u = uncommon

l = local (common in restricted areas)

#### Gymnosperm

Dacrycarpus dacrydioides	kahikatea	u (1)
*Pinus radiata		u(2)

#### Dicot trees and shrubs

Brachyglottis repanda	rangiora	u
Coprosma robusta	karamu	o
Coprosma tenuicaulis		a
Coprosma propinqua x C. robusta		u(1.)
Geniostoma ligustrifolium	hangehange	o
Laurelia novae-zelandiae	pukatea	u (1)
Leptospermum scoparium	manuka	u
Melicytus ramiflorus	mahoe	u
Olearia solandri		u
* Salix cinerea	grey willow	u
* Salix fragilis	crack willow	l
Solanum laciniatum	poroporo	u
* Ulex europaeus	gorse	lc

#### Monocot tree

Cordyline australis	cabbage tree, ti kouka	o
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Dicot lianes

Calystegia sp. <sup>1</sup>	convolvulus	o
Calystegia tuguriorum	convolvulus	u
Clematis quadribracteolata		u
* Lonicera japonica	Japanese honeysuckle	la (1999 re-assessment)
Muehlenbeckia australis	pohuehue	o
Muehlenbeckia complexa	small-leaved pohuehue	o
* Rubus fruticosus agg.	blackberry	u

Dicot herbs

* Bidens frondosa	beggar's ticks	o
* Callitriche stagnalis	starwort	o
Centella uniflora		o
* Cerastium fontanum	mouse-eared chickweed	o
* Cerastium glomeratum	annual mouse-ear chickweed	o
* Cirsium arvense	Californian thistle	u
* Cirsium vulgare	Scotch thistle	o
Cotula coronopifolia	bachelor's button	l
* Crepis capillaris	hawksbeard	c
Drosera binata	forked sundew	o
Epilobium chionanthum	willowherb	c
* Epilobium ciliatum	willowherb	u
Epilobium insulare	willowherb	o
Epilobium nummulariifolium	willowherb	u
Epilobium pallidiflorum	willowherb	c
Euchiton audax	cudweed	u
Euchiton involucratus		o
Euchiton limosus	cudweed	o
Euchiton sphaericus	cudweed	u
* Eupatorium cannabinum	hemp agrimony	c
* Galium aparine	cleavers	u
Galium trilobum		c
Gonocarpus micranthus		u
Hydrocotyle novaezeelandiae		c
Hydrocotyle pterocarpa		o
Hypericum pusillum (P. japonicum of NZ authors)		o
* Hypochoeris radicata	catsear	u
* Leontodon taraxacoides	hawkbit	o
* Linum bienne	pale flax	u
Lobelia anceps	NZ lobelia	c
Lobelia angulata		u

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<sup>1</sup> Recorded in 1990s as *C. sepium* agg. Large white flowered convolvulus is now known to be mostly the exotic bindweed species, *C. silvatica*; the one with pink-with-white-stripes is considered native, as *C. sepium* ssp. *roseata*

* Lotus pedunculatus	lotus	a
* Lythrum hyssopifolia	hyssop loosestrife	o
* Mimulus guttatus	monkey musk	o
* Mimulus moschatus	musk	o
* Myosotis laxa	water forget-me-not	c
Myriophyllum propinquum	water milfoil	l
Oxalis exilis	creeping oxalis	u
* Parentucellia viscosa	tarweed	c
* Persicaria (Polygonum) hydropiper	water pepper	o
Persicaria decipiens (Polygonum salicifolium)	willow-herb	o
* Prunella vulgaris	self-heal	o
Ranunculus amphitrichus	waoriki	c
Ranunculus macropus		o
* Ranunculus repens	creeping buttercup	c
* Ranunculus sceleratus	celery-leaved buttercup	u
* Rorippa nasturtium-aquaticum	watercress	o
* Rumex crispus	curled dock	u
* Sagina procumbens	pearlwort	o
* Senecio bipinnatisectus	fireweed	u
* Senecio glastifolius	pink ragwort	u
Senecio glomeratus	fireweed	u
Senecio minimus	fireweed	u
* Solanum nigrum	black nightshade	l
* Stellaria alsine	bog stitchwort	o
* Stellaria graminea	stitchwort	u
* Trifolium repens	white clover	o

### Monocot herbs

#### Sedges

Bolboschoenus fluviatilis	Purua grass	l
Carex geminata s.s.		o
Carex lessoniana		c
Carex maorica		c
Carex secta var. secta		a
Carex virgata		o
* Cyperus congestus (?)		u
Cyperus ustulatus		o
Eleocharis acuta	spike sedge	a
Eleocharis gracilis	slender spike sedge	a
Isolepis distigmatosa		u
Isolepis inundata		u
Isolepis prolifer		o
* Isolepis setacea		o
* Isolepis sepulchralis		o
Machaerina (Baumea) articulata	bamboo sedge	l
Machaerina (Baumea) rubiginosa		a
Machaerina (Baumea) tenax		u

Schoenoplectus tabernaemontani	kapungawha	o
Schoenus maschalinus		o

### Grasses

Austroderia (Cortaderia) toetoe	toetoe	o
* Agrostis stolonifera	creeping bent	u
* Anthoxanthum odoratum	sweet vernal	c
* Bromus willdenowii	prairie grass	l
* Cynosurus cristatus	crested dogstail	o
* Festuca arundinacea	tall fescue	o
* Festuca rubra ssp. commutata	Chewing's fescue	o
* Glyceria declinata	floating sweetgrass	c
* Holcus lanatus	Yorkshire fog	c
Isachne globosa	swamp millet	o
* Lolium perenne	perennial ryegrass	u
* Phalaris aquatica	canary grass	l
Poa anceps ssp. anceps		u
* Poa pratensis	Kentucky bluegrass	o

### Rushes

* Juncus articulatus	jointed-leaved rush	a
* Juncus bufonius	toad rush	o
Juncus caespiticus		o
* Juncus effusus		o
Juncus edgariae		o
Juncus pallidus		u
Juncus planifolius		o

### Orchids

Microtis unifolia	onion-leaved orchid	c
Prasophyllum colensoi	onion-leaved orchid	u(3)
Pterostylis micromega	swamp greenhood orchid	u(20+) <sup>2</sup>
Pterostylis sp. (unnamed; aff P. montana)	greenhood orchid	u
Spiranthes novae-zelandiae <sup>3</sup>	lady's tress orchid	lc

### Monocots other than sedges, grasses, rushes and orchids

* Landoltia (Spirodela) punctata	purple-backed duckweed	c
Lemna sp [L. minor of		

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<sup>2</sup> 36 plants in Nov-Dec 1999

<sup>3</sup> 25 Jan 1994; Ogle #2758 = CHR498101; NZMS260/507573; > 200 plants seen along c 2km of swamp edge.

NZ authors]	duckweed	lc
Phormium tenax	harakeke, NZ flax	a
* Potamogeton crispus	curled pondweed	l
Sparganium subglobosum	bur-reed	o
Triglochin striatum	arrow grass	u
Typha orientalis	raupo	a

### Fern ally

Tmesipteris elongata		o
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### Ferns

Asplenium flaccidum	hanging spleenwort	o
Asplenium oblongifolium	shining spleenwort	u
Asplenium polyodon	sickle spleenwort	o
Azolla rubra		l
Blechnum minus (of NZ authors)	swamp kiokio	c
Blechnum novae-zelandiae	kiokio	o
Cyathea medullaris	mamaku	o
Deparia petersenii		u
Dicksonia squarrosa	wheki	o
Diplazium australe		o
Histiopteris incisa	water fern, mata	u
Hypolepis ambigua		o
Microsorium pustulatum	hound's tongue	l
Paesia scaberula	ring fern	u
Pneumatopteris pennigera		u
Pteridium esculentum	bracken	o
Pteris pendula [P. macilenta of NZ authors]		u
Rumohra adiantiformis		u

**Bryophytes:** collection made by CCO on 15 Nov. 1999, from among *Baumea rubiginosa* in main area of *Pterostylis micromega* habitat. This area seems to have an increasing cover of *Marchantia* over past 5 years or so. Specimens sent to and identified by WELT staff.

### Liverworts

Austrofossombronia australis
Heteroscyphus normalis
Marchantia berteroana
Riccardia australis

### Mosses

Bryum pseudotriquetrum
Leptodictyum riparium
Philonotis tenuis

Total of indigenous vascular plant species = 94

Total of adventive vascular plant species = 57

151

## Notable occurrences

### 1. Indigenous Species

*Pterostylis micromega* has a national threatened plant status of 'Threatened – nationally critical'

*Spiranthes novae-zelandiae* has a national threatened plant status of 'Threatened – nationally vulnerable'

*Ranunculus macropus* has a national threatened plant status of 'Data deficient'.

We have few records in Wanganui Conservancy of several of the other species in Ihupuku Swamp, including *Galium trilobum*, *Machaerina articulata*, *Sparganium subglobosum*, and *Bolboschoenus fluviatilis*; *Coprosma tenuicaulis*, *Isachne globosa*, *Epilobium pallidiflorum*, *E. chionanthum* and *Hydrocotyle pterocarpa* are also patchily distributed.

The occurrence of *Tmesipteris* on bases of *Carex secta* is seemingly unrecorded before, but is so frequent at Ihupuku that it must be a "more than an accident". This phenomenon warrants further study. It has been recorded since 1993 at L. Waiau.

*Clematis quadribracteolata* in the North Island has been previously recorded as far south as Ngaurukehu Scientific Reserve (near Hihitahi) and inland northern Hawkes Bay. In 1993, Ihupuku became the southern limit for the species in the North Island; it was found in 1994 at Higgle's Swamp near Fordell (N Singers, pers. comm; confirmed C Ogle 1997) which is a little further south. It occurs also in the eastern South Island.

### 2. Adventive Species

*Eupatorium cannabinum* (hemp agrimony) has only one previous record in New Zealand, viz. a swamp near Hawera in 1975. It has been found since 1993 at L. Waiau and at Waipipi; seen and reported from at least 20 sites, especially swamps and road-side ditches, from Mokoia to Brunswick in Jan 1999.

The most pressing needs for weed control are pussy (grey) willow and Japanese honeysuckle, which pose the greatest threats through their potential to spread by seed and to over-shade areas of native vegetation.