

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 last updated by CCO 10 Feb 2021; 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 atrocinnerea	grey willow	u
* Salix x 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. ¹	convolvulus	o
Calystegia tuguriorum	convolvulus	u
Clematis quadribracteolata ²		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
* Erythranthe guttata (Mimulus guttatus)	monkey musk	o
* Erythranthe moschata (Mimulus moschatus)	musk	o
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 (H. japonicum of NZ authors)		o
* Hypochoeris radicata	catsear	u
* Leontodon saxatilis	hawkbit	o

¹ 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*

² A notable occurrence this far west in a lowland site

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

Monocot herbs

Sedges

<i>Bolboschoenus fluviatilis</i>	Purua grass	l
<i>Carex geminata</i> s.s.		o
<i>Carex lessoniana</i>		c
<i>Carex maorica</i>		c
<i>Carex secta</i> var. <i>secta</i>		a
<i>Carex virgata</i>		o
* <i>Cyperus congestus</i> (?)		u
<i>Cyperus ustulatus</i>		o
<i>Eleocharis acuta</i>	spike sedge	a
<i>Eleocharis gracilis</i>	slender spike sedge	a
<i>Isolepis distigmatosa</i>		u
<i>Isolepis inundata</i>		u
<i>Isolepis prolifera</i>		o
* <i>Isolepis setacea</i>		o
* <i>Isolepis sepulchralis</i>		o
<i>Machaerina (Baumea) articulata</i>	bamboo sedge	l
<i>Machaerina (Baumea) rubiginosa</i>		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 rubra ssp. commutata	Chewing's fescue	o
* Glyceria declinata	floating sweetgrass	c
* Holcus lanatus	Yorkshire fog	c
Isachne globosa	swamp millet	o
* Lolium (Festuca) arundinaceum	tall fescue	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 caespiticius		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+) ³
Pterostylis sp. (unnamed; aff P. montana)	greenhood orchid	u
Spiranthes novae-zelandiae ⁴	lady's tress orchid	lc

Monocots other than sedges, grasses, rushes and orchids

* Landoltia (Spirodela) punctata	purple-backed duckweed	c
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³ 36 plants in Nov-Dec 1999

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

Lemna disperma	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 ⁵		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	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 macilenta		u
Rumohra adiantiformis		u

Bryophytes: collection made by CCO on 15 Nov. 1999, from among *Machaerina 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

⁵ Growing on bases of a number of *Carex secta*, with 13 pteridophyte spp., 30 July 1993

Philonotis tenuis

Total of indigenous vascular plant species =	94
Total of adventive vascular plant species =	<u>57</u>
	<u>151</u>

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.