

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

* 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
C. tenuicaulis		a
C. propinqua x C. robusta		u(1.)
Geniostoma rupestre ssp. 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
* S. fragilis	crack willow	l
Solanum laciniatum	poroporo	u
* Ulex europaeus	gorse	lc

Monocot tree

Cordyline australis	cabbage tree	o
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Dicot lianes

Calystegia sepium agg.	convolvulus	o
C. tuguriorum	convolvulus	u
Clematis quadribracteolata		u
* Lonicera japonica	Japanese honeysuckle	la (1999 <i>re-assessment</i>)
Muehlenbeckia australis	pohuehue	o
M. 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
* C. glomeratum	annual mouse-ear chickweed	o
* Cirsium arvense	Californian thistle	u
* C. vulgare	Scotch thistle	o
Cotula coronopifolia	bachelor's button	l
* Crepis capillaris	hawksbeard	c
Drosera binata	forked sundew	o
Epilobium chionanthum	willowherb	c
* E. ciliatum	willowherb	u
E. insulare	willowherb	o
E. nummulariifolium	willowherb	u
E. pallidiflorum	willowherb	c
Euchiton (Gnaphalium) audax	cudweed	u
E. (G). involucratus		o
E. (G). limosus	cudweed	o
E. (G). sphaericus	cudweed	u
* Eupatorium cannabinum	hemp agrimony	c
* Galium aparine	cleavers	u
G. trilobum		c
Gonocarpus micranthus		u
Hydrocotyle novaezeelandiae		c
H. pterocarpa		o
Hypericum japonicum agg.		o
* Hypochoeris radicata	catsear	u
* Leontodon taraxacoides	hawkbit	o
* Linum bienne	pale flax	u
Lobelia anceps	NZ lobelia	c
* 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

<i>Oxalis exilis</i>	creeping oxalis	u
* <i>Parentucellia viscosa</i>	tarweed	c
* <i>Polygonum hydropiper</i>	water pepper	o
<i>P. salicifolium</i>	willow-herb	o
<i>Pratia angulata</i>		u
* <i>Prunella vulgaris</i>	self-heal	o
<i>Ranunculus amphitrichus</i>	waoriki	c
<i>R. macropus</i>		o
* <i>R. repens</i>	creeping buttercup	c
* <i>R. 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>S. glastifolius</i>	pink ragwort	u
<i>S. glomeratus</i>	fireweed	u
<i>S. minimus</i>	fireweed	u
* <i>Solanum nigrum</i>	black nightshade	l
* <i>Stellaria alsine</i>	bog stitchwort	o
* <i>S. graminea</i>	stitchwort	u
* <i>Trifolium repens</i>	white clover	o

Monocot herbs

Sedges

<i>Baumea articulata</i>	bamboo sedge	l
<i>B. rubiginosa</i>		a
<i>B. tenax</i>		u
<i>Bolboschoenus fluviatilis</i>	Purua grass	l
<i>Carex geminata</i> s.s.		o
<i>C. lessoniana</i>		c
<i>C. maorica</i>		c
<i>C. secta</i> var. <i>secta</i>		a
<i>C. virgata</i>		o
* <i>Cyperus congestus</i> (?)		u
<i>C. ustulatus</i>		o
<i>Eleocharis acuta</i>	spike sedge	a
<i>E. gracilis</i>	slender spike sedge	a
<i>Isolepis distigmata</i>		u
<i>I. inundata</i>		u
<i>I. prolifer</i>		o
* <i>I. setacea</i>		o
* <i>I. sepulchralis</i>		o
<i>Schoenoplectus tabernaemontani</i>	kapungawha	o
<i>Schoenus maschalinus</i>		o

Grasses

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

Rushes

* <i>Juncus articulatus</i>	jointed-leaved rush	a
* <i>J. bufonius</i>	toad rush	o
<i>J. caespiticius</i>		o
* <i>J. effusus</i>		o
<i>J. gregiflorus</i>		o
<i>J. pallidus</i>		u
<i>J. planifolius</i>		o

Orchids

<i>Microtis unifolia</i>	onion-leaved orchid	c
<i>Prasophyllum colensoi</i>	onion-leaved orchid	u(3)
<i>Pterostylis micromega</i>	swamp greenhood orchid	u(20+) ¹
<i>P. sp.</i> (unnamed; aff <i>P. montana</i>)	greenhood orchid	u
<i>Spiranthes sinensis</i>	lady's tress orchid	lc

Monocots other than sedges, grasses, rushes and orchids

<i>Lemna sp</i> [L. <i>minor</i> of NZ authors]	duckweed	lc
<i>Phormium tenax</i>	harakeke, NZ flax	a
* <i>Potamogeton crispus</i>	curled pondweed	l
<i>Sparganium subglobosum</i>	bur-reed	o
* <i>Spirodela punctata</i>	purple-backed duckweed	c
<i>Triglochin striatum</i>	arrow grass	u
<i>Typha orientalis</i>	raupo	a

¹ 36 plants in Nov-Dec 1999

Fern ally

Tmesipteris elongata o

Ferns

Asplenium flaccidum	hanging spleenwort	o
A. oblongifolium	shining spleenwort	u
A. polyodon	sickle spleenwort	o
Azolla rubra		l
Blechnum minus (of NZ authors)	swamp kiokio	c
B. 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.

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 'Endangered'.

We have few records in Wanganui Conservancy of several of the other species in Ihupuku Swamp, including *Galium trilobum*, *Baumea articulata*, *Sparganium subglobosum*, and *Bolboschoenus fluviatilis*, *Spiranthes sinensis* and *Ranunculus macropus*, *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.