

WANGANUI PLANT LIST 95

Department of Conservation, Wanganui

List of native vascular plants for dune forest on south-west side of Lake Alice, plus significant adventive species. (NB: list excludes lake and its fringing swamps but includes a small swamp and pool within the forest.)

Colin Ogle, Wayne Beggs & John Barkla

27 May 1996, 19 July 1996

Wanganui Botanical Group: *2 Nov 1996*

Colin Ogle, Peter de Lange, Jim Campbell, Don Ravine, Graeme la Cock:

2 Aug. 2000 (no additional species recorded)

Colin Ogle (+ QEII Trust reps) *21 March 2001*

Colin Ogle, Clare Ridler & Steve O'Leary *28 Jan.04*

Colin Ogle & Wanganui Botanical Gp *3.3.07*

List last updated 26.5.06

Abundance Ratings

adventive species a = abundant, c = common, o = occasional, u = uncommon (or actual no. of specimens stated), l = local (species in small area, but can be common or abundant there), p = present, but only outside the proposed protected area; CHR = specimen sent to Landcare Research herbarium, Lincoln.

GYMNOSPERM TREES

Dacrycarpus dacrydioides	kahikatea	p,l
* Pinus radiata		u(1)
Podocarpus totara, CHR	totara	p, u(2)

MONOCOT TREES AND SHRUBS

Cordyline australis	cabbage tree, ti kouka	o
---------------------	------------------------	---

DICOT TREES AND SHRUBS

Alectryon excelsus	titoki	lc
* Berberis glaucocarpa	barberry	u (1)
Carmichaelia australis CHR	NZ broom	u (2)
Coprosma areolata		l
Coprosma crassifolia CHR		a
Coprosma rhamnoides		c
Coprosma tenuicaulis CHR	swamp coprosma	l
Corokia cotoneaster CHR (0)	korokio	lc
Corynocarpus laevigatus	karaka	u(3)
Discaria toumatou CHR	matagouri	p, u(12)
Dodonaea viscosa ¹ CHR	akeake	p, u(3)
Geniostoma rupestre ssp. ligustrifolium	hangehange, NZ privet	u (1)
Ileostylus micranthus ² CHR (x2)	mistletoe	u (2)

¹ On 2 August 2000, the landowner, Jim McDonald, told us that there are about 6 seedlings of akeake now self-established inside the fenced area, presumably from seed blown in from the trees just outside the fence.

² On Coprosma crassifolia 27/5/96; Corokia cotoneaster 19/7/96

<i>Knightia excelsa</i>	rewarewa	u (6)
<i>Kunzea ericoides</i> agg.	kanuka	a
<i>Leucopogon fasciculatus</i> CHR	mingimingi	p, u(3)
<i>Lophomyrtus obcordata</i> CHR	rohutu	u(1)
* <i>Lupinus arboreus</i>	lupin	c
<i>Macropiper excelsum</i>	kawakawa	o
<i>Meliccytus ramiflorus</i>	mahoe	c
<i>Myoporum laetum</i> CHR	ngaio	o
<i>Myrsine australis</i>	mapou	u(2) [+4 in 'p']
<i>Olearia solandri</i>	a shrub daisy	p, u(1)
<i>Olearia virgata</i>	a shrub daisy	p, u(1)
<i>Pennantia corymbosa</i>	kaikomako	o
<i>Pittosporum tenuifolium</i> var. <i>tenuifolium</i>	kohuhu	o
<i>Pseudopanax crassifolius</i>	lancewood	o
* <i>Sambucus nigra</i>	elderberry	u
<i>Solanum laciniatum</i>	poroporo	u
* <i>Solanum pseudocapsicum</i>	Jerusalem cherry	l
<i>Sophora godleyi</i>	kowhai	o
<i>Streblus heterophyllus</i>	turepo, small-leaved milktree	u(1)
* <i>Ulex europaeus</i>	gorse	la

DICOT LIANES

<i>Clematis forsteri</i>		u
<i>Muehlenbeckia australis</i>	pohuehue	c
<i>Muehlenbeckia complexa</i>	small-leaved pohuehue	o
<i>Parsonsia capsularis</i>	NZ jasmine	o
<i>Passiflora tetrandra</i> CHR	kohia, NZ passionflower	p, u(1)
* <i>Rubus fruticosus</i> agg.	blackberry	lc
<i>Rubus schmidelioides</i>	bush lawyer	u
<i>Rubus squarrosus</i> CHR	leafless lawyer	o
<i>Rubus schmidelioides</i> X <i>R. squarrosus</i>	hybrid lawyer	c
<i>Tetragonia implexicoma</i> ²	NZ spinach	c

MONOCOT LIANE

<i>Ripogonum scandens</i>	supplejack	u(3)
---------------------------	------------	------

DICOT HERBS

* <i>Anagallis arvensis</i>	scarlet pimpernel	o
* <i>Arctium minus</i>	burdock	u
* <i>Callitriche stagnalis</i>	starwort	l
* <i>Capsella bursa-pastoris</i>	shepherd's purse	o
<i>Cardamine</i> sp. [unnamed; <i>C. debilis</i> agg. "Narrow Petal" of Pritchard 19571(prob)]	bittercress	o
* <i>Carduus tenuiflorus</i>	wing thistle	o
* <i>Cerastium glomeratum</i>	mouse-eared chickweed	c
* <i>Cirsium vulgare</i>	Scotch thistle	o

² First recorded 3.3.07, but surely was overlooked earlier as it is common scrambling among and up shrubs

* <i>Conium maculatum</i>	hemlock	
* <i>Conyza sumatrensis</i>	fleabane	c
<i>Cotula coronopifolia</i>	batchelor's button	l
* <i>Dianthus armerius</i>	Deptford pink	u
<i>Dichondra repens</i>	Mercury Bay weed	p,o
<i>Dichondra</i> sp. [<i>D. brevifolia</i> agg.]		p,u
* <i>Fumaria muralis</i>	fumitory	o
* <i>Galium aparine</i>	cleavers	o
* <i>Galium palustre</i>	marsh bedstraw	l
<i>Geranium microphyllum</i>		o
* <i>Geranium molle</i>	soft dove's foot	c
<i>Euchiton gymnocephala</i> (= <i>Gnaphalium gymnocephalum</i>)	cudweed	u
<i>Gratiola sexdentata</i>		u
<i>Hydrocotyle heteromeria</i>	waxweed	c
<i>Hydrocotyle moschata</i>	hairy pennywort	u
<i>Hydrocotyle pterocarpa</i>	wing-fruited pennywort	u
* <i>Hypochoeris radicata</i> ,	cat's ear	o
* <i>Lotus pedunculatus</i>	lotus	u
* <i>Ludwigia palustris</i>		lc
* <i>Mycelis muralis</i>	wall lettuce	u
* <i>Myosotis discolor</i>		p,u
<i>Myriophyllum propinquum</i>	water milfoil.	lc
* <i>Phytolacca octandra</i>	inkweed	lc
* <i>Polycarpon tetraphyllum</i>	allseed	o
* <i>Polygonum hydropiper</i>	water pepper	u
* <i>Ranunculus parviflorus</i>	small-flowered buttercup	o
<i>Ranunculus reflexus</i>	bush buttercup	u
* <i>Ranunculus repens</i>	creeping buttercup	l
* <i>Ranunculus sceleratus</i>	celery-leaved buttercup	o
* <i>Senecio bipinnatisectus</i>	fireweed	u
* <i>Senecio glastifolius</i>	pink ragwort, holly-leaved senecio	u(4) ³
<i>Senecio glomeratus</i>	fireweed	p,u
<i>Senecio hispidulus</i>	NZ fireweed	u
* <i>Senecio jacobaea</i>	ragwort	u
* <i>Sherardia arvensis</i>	field madder	u
* <i>Silene gallica</i>	catchfiy	u
* <i>Sonchus oleraceus</i>	puwaha, sowthistle	u
* <i>Solanum chenopodioides</i>	velvety nightshade	u
<i>Stellaria decipiens</i>	NZ chickweed	o
* <i>Stellaria media</i>	chickweed	c
* <i>Torilis arvensis</i>	spreading hedge-parsley	u
* <i>Veronica anagallis -aquatica</i>	water speedwell	l
* <i>Veronica serpyllifolia</i>	turf speedwell	l
<i>Wahlenbergia violacea</i>	harebell	o

ORCHIDS

<i>Corybas trilobus</i> agg.	spider orchid	u
------------------------------	---------------	---

³ The 4 plants were recorded in 1996. On 2 Aug 2000, pink ragwort was seen to be abundant in several places towards the western end of the fenced area, mostly in gaps on dune slopes. Bt 3 March 07 it was common throughout, in gaps and open areas

Drymoanthus adversus		lc
Earina mucronata		lc
Microtis unifolia	onion-leaved orchid	p,u

GRASSES

* Agrostis capillaris	browntop	c
* Anthoxanthum odoratum	sweet vernal	a
* Bromus diandrus	ripgut brome	a
* Dactylis glomerata	cocksfoot	a
Echinopogon ovatus	hedgehog grass	o
* Glyceria declinata	floating sweetgrass	lc
* Glyceria plicata		l
* Holcus lanatus	Yorkshire fog	c
* Lolium perenne	perennial ryegrass	o
Microlaena stipoides	meadow rice grass	a
Oplismenus hirtellus ssp. imbecillus CHR		l
* Poa pratensis	Kentucky bluegrass	c
* Rytidosperma penicillatum	danthonia	lc (or c)
* Sporobolus africanus	ratstail	u

SEDGES

* Carex divulsa		p,u (1)
Carex geminata or C. lessoniana		u
* Carex ovalis		u
Carex secta, s.s.		l
* Cyperus eragrostis		l
Eleocharis acuta	sharp spike sedge	l

RUSHES

* Juncus articulatus	jointed-leaved rush	lc
Juncus pallidus		u (1)
Juncus sarophorus		lc
Luzula picta s. s.	wood rush	lc

OTHER MONOCOT HERBS

Collospermum hastatum	perching lily	u(4)
Lemna sp. [L. minor auct NZ]	duckweed	la
Phormium tenax	harakeke, NZ flax	u
Typha orientalis	raupo	lc

FERNS

Adiantum cunninghamii	maidenhair fern	u (2)
Asplenium flabellifolium	necklace fern	c
Asplenium flaccidum s.s.	hanging spleenwort	0
Asplenium gracillimum		u(6)
Asplenium hookerianum CHR		la

Asplenium oblongifolium	shining spleenwort	u(1)
Asplenium polyodon		u
Azolla filiculoides ssp. rubra		la
Blechnum minus (of NZ authors)	swamp kiokio	u
Cyathea medullaris	mamaku	u(2)
Dicksonia squarrosa	wheki	u
Histiopteris incisa	waterfern	u
Hypolepis ambigua		l
Microsorium pustulatum	hounds tongue fern	u
Pellaea rotundifolia	button fern	o
Polystichum neo-zelandicum ssp. zerophyllum CHR	hard shield fern	o
Pteridium esculentum	bracken	o
Pteris tremula	shaking brake	u
Pyrrhosia eleagnifolia	leatherleaf fern	o

Vegetation

Open-to-closed canopy kanuka forest (to 6m tall) and scrub, with localised patches of titoki forest. Areas of grassland (pasture species) and gorse. Scattered trees of kowhai, akeake, kohuhu, rewarewa, ngaio, with more common mahoe and lancewood. Understorey mostly dominated by *Coprosma crassifolia* with locally common korokio. One dune hollow is a wetland, about 100 m x 5-10 m; dominated by *Carex secta*, with duckweed and *Azolla* covering areas of open water; the uncommon exotic grass *Glyceria plicata* grows here. The fringes of this wetland are the only places with mamaku, supplejack, *Earina mucronata* and several fern species. Area fenced in about 1996; much regeneration in subsequent years but in March 2007 much of this had disappeared through cattle grazing again.

Importance

1. The largest area of dune forest known north of the Manawatu River in Foxton Ecological District.
2. One of only two sites known for *Corokia cotoneaster* in Foxton ED (the other is Pakipaki near Levin, RAP 16); korokio was almost certainly a typical shrub of dune forest in the ED in the past.
3. Dominance of *Coprosma crassifolia* on dunes here is unsurpassed in Foxton ED (other main area is Pakipaki; several at Sarah Pond (RAP 32)); likely to have been typical of dune forest throughout the ED in past.
4. Presence of several other species typical of dune forest (Ogle 1996) include kowhai (see #6), leafless lawyer, *Oplismenus hirtellus* ssp. *imbecillus*, akeake, *Parsonsia capsularis*, hedgehog grass, necklace fern.
5. One of only two known occurrences of mistletoe *Ileostylus micranthus* in Foxton ED (The other near Waikanae).
6. Presence *Sophora godleyi* (kowhai) species on sand, a species that is largely a tree of calcareous mudstone and sandstone in the rest of its range (it also occurs on a dune in Tricker's Bush at Bulls).
7. The only site known for an exotic wetland grass, *Glyceria plicata*, in Wanganui Conservancy (found there 28.1.04)

Reference

Ogle, C C 1996. Sand movement and the protection of natural areas on Pouto Peninsula, Northland. *CAS note No. 145*. Science and Research Division, Department of Conservation, Wellington.