

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

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
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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)
Knightia excelsa	rewarewa	u (6)
Kunzea ericoides agg.	kanuka	a
Leucopogon fasciculatus CHR	mingimingi	p, u(3)

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

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

DICOT LIANES

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

MONOCOT LIANE

Ripogonum scandens	supplejack	u(3)
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DICOT HERBS

*Anagallis arvensis	scarlet pimpernel	o
* Arctium minus	burdock	u
* Callitriche stagnalis	starwort	l
* Capsella bursa-pastoris	shepherd's purse	o
Cardamine sp. [unnamed; C. debilis agg. "Narrow Petal" of Pritchard 19571(prob)]	bittercress	o
* Carduus tenuiflorus	wing thistle	o
* Cerastium glomeratum	mouse-eared chickweed	c
* Cirsium vulgare	Scotch thistle	o
* Conium maculatum	hemlock	
* Conyza albida	fleabane	c
Cotula coronopifolia	batchelor's button	l
* Dianthus armerius	Deptford pink	u
Dichondra repens	Mercury Bay weed	p,o
Dichondra sp. [D. brevifolia 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 jacobaea</i>	ragwort	u
<i>Senecio hispidulus</i>	NZ fireweed	u
* <i>Sherardia arvensis</i>	field madder	u
* <i>Silene gallica</i>	catchfiy	u
* <i>Sonchus oleraceus</i>	puwha, 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
<i>Drymoanthus adversus</i>		lc
<i>Earina mucronata</i>		lc
<i>Microtis unifolia</i>	onion-leaved orchid	p,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.

GRASSES

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

SEDGES

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

RUSHES

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

OTHER MONOCOT HERBS

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

FERNS

<i>Adiantum cunninghamii</i>	maidenhair fern	u (2)
<i>Asplenium flabellifolium</i>	necklace fern	c
<i>Asplenium flaccidum</i> s.s.	hanging spleenwort	0
<i>Asplenium gracillimum</i>		u(6)
<i>Asplenium hookerianum</i> CHR		la
<i>Asplenium oblongifolium</i>	shining spleenwort	u(1)
<i>Asplenium polyodon</i>		u
<i>Azolla filiculoides</i> ssp. <i>rubra</i>		la
<i>Blechnum minus</i> (of NZ authors)	swamp kiokio	u
<i>Cyathea medullaris</i>	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		o
Pteridium esculentum	bracken	o
Pteris tremula	shaking brake	u
Pyrrosia 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 fringes of this wetland are the only places with mamaku, supplejack, *Earina mucronata* and several fern species.

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.