

Wanganui Plant List No. 14**Vascular Plants of "Marangai" (Corballis's Bush), Kaitoke**

C C Ogle and Wanganui Museum Botanical Group, 30 September 1989,
12 September 1993, 11 October 1995, 30 March 1996; CCO 4 November 2001; CO + QEII Trust
21.3.01; CCO 20 November 2002; with WMBG on 28 June 03

Last amended 28 June 2003

updated nomenclature for Polystichum richardii 21 August 2003

Changed format into tables and all generic names spelled out in full 14 September 2004

"Marangai" has 4 fenced areas of forest, as follows:-

1. Fenced in about 1986; area entirely on a flat terrace surface; forest mostly dominated by titoki, with considerable kahikatea and kaikomako and some matai, tawa and large kanuka; areas of grass, and scrub of divaricating shrub species on some forest margins. NZMS260/Map S22/923354; 80 m asl.
2. Fenced in about 1980; the sides of a deeply entrenched gully through the fore-mentioned terrace, and the scarp of a major stream into Kaitoke Lake; forest of titoki and tawa, and areas of tall kanuka, some with dense young mamaku understorey. Grid 921353 30m - 80m asl.
3. Fenced in about 1970; part of the scarp of the fore-mentioned major stream. Grid 912353; 30m - 60m asl.
4. Fenced in about 1999? Addition to farm in 2001; on steep scarp of terrace, south and east aspect. (Contiguous with Area #2 above and a part of Area #1).

Visits have concentrated on area 1, with detailed looks at relatively small parts of area 2. Only the disturbed upper edge of area 3 was visited. Area 4 was traversed on 28.6.03 during Clematis vitalba search. The species list below reflects this unequal coverage. Plants not identified as being in any of areas 1-4 were outside the fenced patches. A number of these are wetland plants around the stream at the base of areas 2 and 3. Adventive species of unfenced areas were mostly not listed, though all indigenous species seen were recorded.

Abbreviations : * = adventive species (including NZ indigenous species not occurring naturally in this area, but spreading unaided).

x = present; u = present but uncommon (only one or a very few plants seen); (j) = only juvenile plants seen; p = planted only

Latin name	Common name	1	2	3	4
<u>Gymnosperms</u>					
Dacrycarpus dacrydioides	kahikatea	x	x		u

	Podocarpus totara	totara	x(+p)	u		
	Prumnopitys taxifolia	matai	x	uj ¹		uj
	<u>Dicot trees, shrubs, lianes</u>					
*	Acacia mearnsii	<i>bought as A. mollissima</i>				p
*	Acacia floribunda					p
*	Acacia sp. or spp.			p		
	Alectryon excelsus	titoki	x	x	x	x
	Beilschmiedia tawa	tawa	x	x		x
*	Berberis glaucocarpa	barberry				u(2) ²
	Brachyglottis repanda	rangiora	J(01)	x		x
	Clematis forsteri					u
	Clematis paniculata	white clematis, puawhangana	u			
*	Clematis vitalba	old man's beard				x ³
	Coprosma areolata		x	x		x
	Coprosma grandifolia	kanono				u
	Coprosma lucida	shining karamu		u		
	Coprosma propinqua		x			u
*	Coprosma repens	taupata	p			p
	Coprosma rhamnoides		x	x		x
	Coprosma rigida		x	x		u
	Coprosma robusta	karamu	u	x		x
	Coprosma propinqua X C. robusta		x			
	Corynocarpus laevigatus	karaka	x	x		j
*	Crataegus monogyna	hawthorn		u	x	
*	Cytisus europaeus	broom				u(1)
	Dodonaea viscosa	akeake	p			
	Elaeocarpus dentatus	hinau	x			j(1)
	Elaeocarpus hookerianus		u ⁴			
*	Eucalyptus leucoxydon		p			
*	Eucalyptus ovata	swamp gum	p			
*	Eucalyptus elata	<i>bought as E. radiata</i>				p
*	Eucalyptus serraensis	Grampians gum			p	
*	Eucalyptus viminalis					p
	Geniostoma rupestre var. ligustrifolium	hangehange		x		x
	Griselinia lucida	puka	u			

¹ Mature matai on slopes outside the fence

² 2 (one 3 m tall) eradicated 28.6.03

³ large vine found 20.11.02, seedlings removed, but main vine eradicated early 03 by Regional Council staff. 6 seedlings eradicated 28.6.03

⁴ 1 tree (with flower buds) first found 4.11.01

	<i>Hebe stricta</i> var. <i>stricta</i>	koromiko		u		
	<i>Hedycarya arborea</i>	pigeonwood	x	x		x
	<i>Hoheria angustifolia</i>	narrow-leaved lacebark	u ⁵			
	<i>Hoheria populnea</i> var [H. <i>sexstylosa</i>]	lacebark	u			
*	<i>Ilex aquifolium</i>	holly				uj ⁶
	<i>Knightia excelsa</i>	rewarewa	j(01)	x		x
	<i>Kunzea ericoides</i>	kanuka	x	x		x
	<i>Laurelia novae-zelandiae</i>	pukatea	u			
	<i>Leptospermum scoparium</i>	manuka				
	<i>Lophomyrtus bullata</i>	ramarama	u			
	<i>Lophomyrtus obcordata</i>	rohutu	x	u		
	<i>Lophomyrtus bullata</i> x L. <i>obcordata</i>		u			
	<i>Macropiper excelsum</i>	kawakawa	x	x	x	x
	<i>Melicytus micranthus</i>	small-leaved mahoe	x			
	<i>Melicytus ramiflorus</i>	mahoe	x	x	x	x
	<i>Metrosideros colensoi</i>	white rata vine	u	u		u
	<i>Metrosideros diffusa</i>	white rata vine				u
	<i>Metrosideros perforata</i>	white rata vine	u			u
	<i>Metrosideros robusta</i>	northern rata	p			p
	<i>Muehlenbeckia australis</i>	pohuehue	u			
	<i>Muehlenbeckia complexa</i>	small-leaved pohuehue	u			
	<i>Myoporum laetum</i>	ngaio	uj	uj ⁷		u
	<i>Myrsine australis</i>	mapou	x	x		uj
	<i>Nestegis cunninghamii</i>	black maire	x	u		
	<i>Nestegis lanceolata</i>	white maire	x			
*	<i>Olearia chathamica</i>	Chatham akeake				p
	<i>Parsonsia capsularis</i>	NZ jasmine				
	<i>Parsonsia heterophylla</i>	NZ jasmine	x	x		x
	<i>Passiflora tetrandra</i>	NZ passionflower	x	x	u	u
	<i>Pennantia corymbosa</i>	kaikomako	x	x	x	
*	<i>Pittosporum crassifolium</i>	karo ⁸	p			
	<i>Pittosporum eugenioides</i>	tarata, lemonwood	p			uj
	<i>Pittosporum tenuifolium</i>	kohuhu				uj
	<i>Pseudopanax crassifolius</i>	lancewood	x	x		x
	<i>Rhabdothamnus solandri</i>	turepo		x		x
	<i>Rubus cissoides</i> var. <i>cissoides</i>	lawyer		u		u

⁵ A few adult trees; juvenile plants (<1.5 m tall) locally abundant in Sept. 1993 (and 1-2 m tall by Nov. 2001)

⁶ 2, eradicated 28.6.03

⁷ mature ngaio on slopes outside the fence

⁸ probably self-introduced from gardens by birds, as well planted here.

	<i>Rubus schmidelioides</i> var. <i>schmidelioides</i>	lawyer	x	x		u
*	<i>Salix fragilis</i>	crack willow				x
*	<i>Sambucus nigra</i>	elderberry	u	u		
*	<i>Solanum mauritianum</i>	woolly nightshade				u1 ⁹
*	<i>Solanum pseudocapsicum</i>	Jerusalem cherry	u		u	
	<i>Solanum</i> sp.	poroporo	u	u		
	<i>Streblus heterophyllus</i>	small-leaved milktree	x			uj
*	<i>Ulex europaeus</i>	gorse		u		x
*	<i>Vitex lucens</i>	puriri				
	<u>Monocot trees and lianes</u>					
	<i>Cordyline australis</i>	cabbage tree	x(+p)	x		x
	<i>Freycinetia banksii</i>	kiekie		u		
	<i>Rhopalostylis sapida</i>	nikau	x	u		
	<i>Ripogonum scandens</i>	supplejack		x		u
	<u>Monocot herbs</u>					
*	<i>Asparagus scandens</i>		u			
	<i>Carex dissita</i>		u			
	<i>Carex geminata</i> (s.s?)			u		
	<i>Carex inversa</i>		x			
	<i>Carex lambertiana</i>			(u?)		u(1)
	<i>Carex lessoniana</i>			u		u
	<i>Carex solandri</i>		x			x
	<i>Carex virgata</i>		u	u		
	<i>Carex</i> sp. [unidentified]		x			
	<i>Collospermum hastatum</i>	perching lily	x	x		
	<i>Corybas macranthus</i>	spider orchid		x		
	<i>Corybas trilobus</i> agg.	spider orchid	u			
	<i>Cyperus ustulatus</i>		x		u	
*	<i>Dactylis glomerata</i>	cocksfoot	x	x		x
	<i>Dendrobium</i> (Winika) <i>cunninghamii</i>	lady's slipper orchid)	u			
	<i>Dianella nigra</i>	turutu, blueberry		u		
	<i>Drymoanthus adversus</i>		x	u		
	<i>Earina mucronata</i>		x			u
	<i>Eleocharis acuta</i>	sharp spike sedge	u			
	<i>Gahnia lacera</i>			u		u
*	<i>Glyceria declinata</i>	floating sweet grass				

⁹ A 4m shrub in flower eradicated 28.6.03

*	<i>Juncus articulatus</i>	jointed-leaved rush		x		
	<i>Juncus distegus</i>					
	<i>Juncus gregiflorus</i>		x	x		u
	<i>Juncus pallidus</i>			u		u
	<i>Lemna</i> sp. [L. minor auct NZ]	duckweed				x
	<i>Libertia</i> sp. [L. grandiflora or L. ixioides]			u		
*	<i>Lolium perenne</i>	perennial ryegrass	x	x		
	<i>Luzula picta</i> s.s.	wood rush	u	u		u
	<i>Microlaena stipoides</i>	meadow rice grass	x	x		x
	<i>Microtis unifolia</i>	onion-leaved orchid			u	
	<i>Phormium cookianum</i>	mountain flax, wharariki	p			
	<i>Phormium tenax</i>	NZ flax, harakeke	p			
	<i>Poa anceps</i> ssp. anceps			u		x
*	<i>Potamogeton crispus</i>	curled pondweed				x
*	<i>Rytidosperma racemosum</i>	danthonia		x		
	<i>Thelymitra longifolia</i> agg.					
	<i>Wolffia australiana</i>	water meal				
	<u>Dicot herbs</u>					
	<i>Anaphalioides subrigida</i>			u		
*	<i>Apium nodiflorum</i>	water celery		x		x
	<i>Cardamine</i> sp. [unnamed; C. debilis agg. "Broad Style" of Pritchard 1957]	bittercress	u	?		?
	<i>Cardamine</i> sp. [unnamed; C. debilis agg. "Narrow Petal" of Pritchard 1957]	bittercress	x	?		?
*	<i>Carduus tenuiflorus</i> (?)	winged thistle	x	x	x	
	<i>Cotula coronopifolia</i>	batchelor's button				
	<i>Dichondra</i> sp. [D. brevifolia agg.]		u			
	<i>Epilobium nummulariifolium</i>	willow herb		u		
	<i>Epilobium rotundifolium</i>	willow herb		u		u
*	<i>Galium aparine</i>	cleavers	x	x		x
	<i>Galium propinquum</i>	native bedstraw	x	x		
	<i>Geranium</i> aff. <i>microphyllum</i>	native geranium	u			
	<i>Euchiton gymnocephala</i>	cudweed		u	u	u
	<i>Haloragis erecta</i>			u	u	u
	<i>Hydrocotyle elongata</i>		x	x		x
	<i>Hydrocotyle novae-zeelandiae</i> s.s.		u	u		u
*	<i>Hypochoeris radicata</i>	cat's ear				u

	<i>Lobelia anceps</i>					
	<i>Mazus novaezeelandiae</i> ssp. <i>novaezeelandiae</i>	dwarf mazus		x		
	<i>Myriophyllum propinquum</i>	milfoil				
	<i>Oxalis exilis</i>	native oxalis	x	x	x	
*	<i>Phytolacca octandra</i>	inkweed	x			u
	<i>Polygonum salicifolium</i>	willow-weed				
*	<i>Prunella vulgaris</i>	self-heal	x			x
	<i>Ranunculus reflexus</i>	bush buttercup				u
*	<i>Ranunculus repens</i>	creeping buttercup	x	x	x	x
*	<i>Ranunculus sceleratus</i>	celery-leaved buttercup				
*	<i>Rumex crispus</i>	curled dock	x			
*	<i>Senecio bipinnatisectus</i>	fireweed		u	x	
*	<i>Senecio glastifolius</i>		u(1) ¹⁰			
	<i>Senecio glomeratus</i>		u			
*	<i>Senecio jacobaea</i>	ragwort				u
	<i>Senecio minimus</i>				u	
	<i>Senecio rufiglandulosus</i>			u		x
*	<i>Solanum nigrum</i>	black nightshade	x		x	u
	<i>Stellaria parviflora</i>	NZ chickweed	x			u
*	<i>Taraxacum officinale</i>	dandelion	x			
*	<i>Trifolium repens</i>	white clover	x			
*	<i>Urtica urens</i>	nettle	x		x	
	<i>Wahlenbergia violacea</i>	harebell		x		
	<u>Ferns</u>					
	<i>Adiantum cunninghamii</i>	maidenhair		x	x	x
	<i>Asplenium bulbiferum</i> s.s.	hen and chicken fern		x		
	<i>Asplenium colensoi</i>			u		
	<i>Asplenium flaccidum</i> s.s.	hanging spleenwort	x	x		x
	<i>Asplenium gracillimum</i>		x	x		x
	<i>Asplenium hookerianum</i>			u		u
	<i>Asplenium oblongifolium</i>	shining spleenwort	x	x		u
	<i>Asplenium polyodon</i>	sickle spleenwort	x	x		
	<i>Asplenium flaccidum</i> x <i>A. oblongifolium</i>			u		
	<i>Azolla filiculoides</i> ssp. <i>rubra</i>	floating water fern		u		
	<i>Blechnum chambersii</i>			x	x	x
	<i>Blechnum filiforme</i>	climbing blechnum	x	x	x	
	<i>Blechnum fluviatile</i>					u

¹⁰ One plant in flower 4.11.01; eradicated

<i>Blechnum membranaceum</i>			x		x
<i>Blechnum novae-zelandiae</i>	kiokio		x		x
<i>Blechnum procerum</i>			u		
<i>Blechnum triangularifolium</i>	cliff kiokio		x		u
<i>Cyathea dealbata</i>	ponga		x		u
<i>Cyathea medullaris</i>	mamaku		x	x	x
<i>Dicksonia squarrosa</i>	wheki		x		u
<i>Doodia australis</i>			u		u
<i>Hypolepis ambigua</i>		x	x		u
<i>Lastreopsis glabella</i>			u		u
<i>Lastreopsis velutina</i>	velvet fern				u(1)
<i>Microsorium pustulatum</i>	hound's tongue fern	x	x		u
<i>Microsorium scandens</i>		u	x		u
<i>Paesia scaberula</i>	ring fern		u		
<i>Pellaea rotundifolia</i>	button fern	x	x		x
<i>Pneumatopteris pennigera</i>			x		x
<i>Polystichum neozelandicum</i> subsp. <i>zerophyllum</i>	hard shield fern	x	x	x	x
<i>Pteridium esculentum</i>	bracken		u		u
<i>Pteris pendula</i> [<i>P. macilenta</i> auct NZ]			x		u
<i>P. tremula</i>	shaking brake	x	x	x	x
<i>Pyrrhosia eleagnifolia</i>	leather-leaf fern	x	x		x
<i>Rumohra adiantiformis</i>		u			

Total number of species indigenous to the whole area = 146 (+ 3 hybrids)