

Wanganui Plant List No. 60

**VASCULAR PLANTS OF FOREST REMNANT, TOKOMARU WEST ROAD,
BRUNSWICK, WANGANUI (property of A R Kitto's)**

C C Ogle and Wanganui Botanical Group, 4 July 1993, 26 February 1994
updated nomenclature for Polystichum richardii 21 August 2003
Completely typed up (only had paper copy), changed format into table
and all generic names spelled out in full 14 September 2004

Vegetation

Forest area of c.18 acres, mostly tawa dominant but some parts are matai dominant or, in secondary regeneration, mahoe or even manuka. The understorey is largely eaten out by goats and domestic stock, but unpalatable shrubs, especially rangiora, young matai and taurepo, are widespread and locally abundant. Palatable plants are often confined to cliffs and fallen blocks of shellrock. As is common in limestone country, the surface is dry and very well drained, and the plants are generally drought-tolerant species. For example the ferns are dominated by *Pellaea*, *Anarthropteris*, *Phymatosurus scandens*, ponga, *Asplenium gracillimum*. Apart from one area of *Hymenophyllum demissum* on the forest floor, filmy ferns were mostly on trees in the more humid gully bottoms, on branches overhanging watercourse (dry at the time of our visit). The drought-tolerant forest sedges *Carex spinostris*, *Uncinia affinis* and *Uncinia scabra* are all uncommon regionally. The local dominance of matai is most unusual for the Wanganui-Taranaki regions.

The shellrock topography is typical of a number of places between Wanganui and Waverly at about the boundary of the Matemateaonga and the Manawatu Ecological Districts, and a few spots in the Plains where streams have cut down (e.g. Okehu Stream, including Ngawaiaorua Scenic Reserve). Most of these limestone areas are in pasture, gorse, scrub or pines; the area covered by this plant list is a rare example with native forest.

Abbreviations :

x = present

u = uncommon (only one or a very few plants seen)

* = adventive species (NB herbaceous adventives were mostly not listed).

	Latin name	Common name	
	<u>Gymnosperms</u>		
	Dacrycarpus dacrydioides	kahikatea	x
	Derydium cupressinum	rimu	u
*	Pinus pinaster	maritime pine	u
	Podocarpus totara	totara	x
	Prumnopitys ferruginea	miro	x
	Prumnopitys taxifolia	matai	x
	<u>Dicot trees and shrubs</u>		
	Alectryon excelsus	titoki	x
	Aristolelia serrata	makomako, wineberry	u

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	Latin name	Common name	
	Beilschmiedia tawa	tawa	x
*	Berberis glaucocarpa	barberry	u
	Brachyglottis repanda	rangiora	x
	Carmichaelia cunninghamii	NZ broom	x
	Carpodetus serratus	putaputaweta	x
	Coprosma areolata		u
	Coprosma grandifolia	kanono	u
	Coprosma rhamnoides		x
	Coprosma robusta	karamu	x
	Corynocarpus laevigatus	karaka	u
	Geniostoma rupestre	hangehange	x
	Hebe stricta var. stricta	koromiko	x
	Hedycarya arborea	pigeonwood	x
	Hoheria populnea var [H. sexstylosa]	lacebark	x
	Knightia excelsa	rewarewa	x
	Kunzea ericoides	kanuka	x
	Leptospermum scoparium	manuka	x
	Leucopogon fasciculatus	mingimingi	u
*	Leycesteria formosa	Himalayan honeysuckle	x
	Macropiper excelsum	kawakawa	x
	Melicytus ramiflorus	mahoe	x
	Myoporum laetum	ngaio	u
	Nestegis cunninghamii	black maire	u
	Olearia rani	heketara	x
	Pittosporum tenuifolium	kohuhu	x
*	Populus alba	silver poplar	x
	Pseudopanax anomalus		x
	Pseudopanax arboreus	fivefinger	u
	Pseudopanax crassifolius	lancewood	x
	Rhabdothamnus solandri	taurepo, NZ gloxinia	x
*	Salix fragilis	crack willow	x
	Schefflera digitata	pate	x
*	Spiraea sp	may	u
	Streblus heterophyllus	turepo, small-leaved milktree	u
*	Ulex europaeus	gorse	x
	Weinmannia racemosa	kamahi	u
	<u>Monocot trees and shrubs</u>		
	Cordyline australis	ti kouka, cabbage tree	u
	Cordyline banksii	ti ngahere	u
	Cordyline australis x C. banksii		u
	Rhopalostylis sapida	nikau	u

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	<u>Dicot lianes</u>		
	<i>Clematis foetida</i>		x
	<i>Clematis forsteri</i>		u
	<i>Metrosideros colensoi</i>	white rata vine	x
	<i>Metrosideros fulgens</i> [M. Sigley Oct 1994]	scarlet rata vine	u
	<i>Parsonsia capsularis</i>	NZ jasmine	x
	<i>Passiflora tetrandra</i>	NZ passionflower	x
	<i>Rubus cissoides</i> var.	bush lawyer	u
*	<i>Rubus fruticosus</i>	blackberry	x
*	<i>Rubus phoenicolasius</i>	raspberry	u
	<u>Monocot lianes</u>		
	<i>Ripogonum scandens</i>	supplejack	x
	<u>Dicot herbs</u>		
	<i>Australina pusilla</i>		x
*	<i>Bellis perennis</i>	lawn daisy	x
*	<i>Callitriche stagnalis</i>	starwort	x
*	<i>Cardamine hirsuta</i>	bittercress	x
	<i>Cardamine</i> sp. unnamed [C. debilis agg; C. "Narrow Petal" of Pritchard 1957]	NZ bittercress	x
	<i>Dichondra</i> sp. unnamed [D. brevifolia agg.]		u
*	<i>Digitalis purpurea</i>	foxglove	x
	<i>Elatostema rugosum</i>	parataniwha	x
	<i>Epilobium nummulariifolium</i>	willow herb	u
	<i>Epilobium rotundifolium</i>	willow herb	x
	<i>Gnaphalium audax</i>	cudweed	x
	<i>Gnaphalium gymnocephalum</i> [now <i>Euchiton gymnocephala</i> ?]	cudweed	u
	<i>Gnaphalium sphaericum</i>	cudweed	u
	<i>Hydrocotyle elongata</i>		x
	<i>Hydrocotyle heteromeria</i>	waxweed	u
*	<i>Mycelis muralis</i>	wall lettuce	x
	<i>Nertera setulosa</i>		x
	<i>Ourisia macrophylla</i> var. robusta	mountain foxglove	u
	<i>Oxalis exilis</i>	native oxalis	x
	<i>Pratia angulata</i> agg.		x
*	<i>Ranunculus parviflorus</i>	small-flowered buttercup	x
	<i>Ranunculus reflexus</i>	bush buttercup	x
*	<i>Ranunculus repens</i>	creeping buttercup	x
	<i>Senecio rufiglandulosa</i>		x
	<i>Stellaria decipiens</i>	NZ chickweed	u
	<i>Urtica incise</i>	NZ nettle	x

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	<i>Wahlenbergia colensoi</i>	harebell	x
*	<i>Wahlenbergia marginata</i>	harebell	u
	<u>Monocot herbs</u>		
	<i>Astelia fragrans</i>		x
	<i>Astelia solandri</i>	perching lily	x
	<i>Carex forsteri</i>		u
	<i>Carex solandri</i>		x
	<i>Carex spinirostris</i>		u
	<i>Carex virgata</i>		x
	<i>Collospermum hastatum</i>	perching lily	x
	<i>Cortaderia toetoe</i>	toetoe	x
	<i>Corybas macranthus</i> [M. Sigley Oct 1994]	spider orchid	u
*	<i>Cynosurus cristatus</i>	crested dogstail	x
	<i>Dianella nigra</i>	turutu, blueberry	u
	<i>Drymoanthus adversus</i>		u
	<i>Earina autumnalis</i>	Easter orchid	u
	<i>Earina mucronata</i>		x
*	<i>Holcus lanatus</i>	Yorkshire fog	x
	<i>Isolepis nodosa</i>	club sedge	u
	<i>Juncus gregiflorus</i>		x
	<i>Juncus pallidus</i>		x
	<i>Microlaena avenacea</i>	bush rice grass	x
	<i>Phormium cookianum</i>	mountain flax, wharariki	x
	<i>Poa anceps</i> ssp. <i>anceps</i>		x
	<i>Schoenus maschalinus</i>		u
*	<i>Tradescantia fluminensis</i>	wandering jew	x
	<i>Uncinia affinis</i>	hooked sedge	x
	<i>Uncinia scabra</i>	hooked sedge	u
	<i>Uncinia uncinata</i>	hooked sedge	x
	<u>Fern allies</u>		
	<i>Lycopodium varium</i>	clubmoss	u
	<i>Tmesipteris elongate</i>		x
	<u>Ferns</u>		
	<i>Adiantum cunninghamii</i>	maidenhair	x
	<i>Anarthropteris lanceolata</i>		x
	<i>Asplenium bulbiferum</i>	hen and chicken fern	x
	<i>Asplenium flaccidum</i> s.s.	hanging spleenwort	x
	<i>Asplenium gracillimum</i>		x
	<i>Asplenium oblongifolium</i>	shining spleenwort	x
	<i>Asplenium polyodon</i>	sickle spleenwort	x
	<i>Blechnum chambersii</i>		x

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<i>Blechnum filiforme</i>	climbing blechnum	x
<i>Blechnum fluviatile</i>		x
<i>Blechnum membranaceum</i>		x
<i>Blechnum novae-zelandiae</i> [was listed at <i>B. sp. unnamed</i> (<i>B. capense</i> agg. "black spot")]	kiokio	x
<i>Cyathea dealbata</i>	ponga, silver fern	x
<i>Cyathea medullaris</i>	mamaku, black tree fern	x
<i>Cyathea smithii</i>	soft tree fern	x
<i>Dicksonia fibrosa</i>	wheki-ponga	x
<i>Dicksonia squarrosa</i>	wheki	u
<i>Histiopteris incisa</i>	waterfern	u
<i>Hymenophyllum demissum</i>	filmy fern	u
<i>Hymenophyllum flabellatum</i>	filmy fern	u
<i>Hymenophyllum sanguinolentum</i>	filmy fern	u
<i>Hypolepis ambigua</i>		u
<i>Lastreopsis glabella</i>		u
<i>Leptopteris hymenophylloides</i>	heruheru	x
<i>Microsorium pustulatum</i> [was listed as <i>Phymatosorus pustulatus</i>]	hound's tongue fern	x
<i>Microsorium scandens</i> [was listed as <i>Phymatosorus scandens</i>]		x
<i>Paesia scaberula</i>	ring fern	x
<i>Pellaea rotundifolia</i>	button fern	x
<i>Pneumatopteris pennigera</i>		x
<i>Polystichum wawranum</i>	hard shield fern	x
<i>Polystichum silvaticum</i>		u
<i>Pteridium esculentum</i>	bracken	x
<i>Pteris pendula</i> [<i>P. macilenta</i> of NZ authors]		u
<i>P. tremula</i>	shaking brake	x
<i>Pyrrhosia eleagnifolia</i>	leather-leaf fern	x
<i>Tricomanes venosum</i>	bristle fern	x

Total number of indigenous species = 150 plus 20 adventives