

## Wanganui Plant List No. 152

### Vascular Plants of Grice's Bush and nearby lakes<sup>#</sup>, Kauangaroa Road, Fordell

C C Ogle<sup>1</sup>

with D Morton and S Grice

22 Oct 2002

With members of Wanganui Botanical Group, 27 Feb. 2005

<sup>#</sup> Grices' Bush is centred on NZMS260/Sheet S22/015363; Lake 1 (partly in the Grices' property) is centred on S22/015360 and c. 90 m a.s.l.; Lake 2 is centred on S22/019359 and c. 75 m a.s.l.

The forest is fragmented on ridges and gullies, running down to a natural lake of some 1 - 1.5 ha in the valley floor. The lake is up to 6 m deep (W Grice, pers. comm.). Three owners border the lake and the edge is partly fenced. Stock grazing is severe in some unfenced parts, but other areas of dense swamp vegetation are inaccessible to stock. In the neighbouring property is a second lake, probably formed on the surface of a large slump. It may have been of similar area to the first lake at one time, but is infilling from landslips, encroaching grey willows and stock grazing – it is grazed right around. Its water level is maintained, at least in part, by an earth dam. The forest is unfenced, but few stock are run on the property, in order to allow natural regeneration. Some feral deer use the area, at least occasionally.

Nationally threatened plant: the only species seen which is listed by de Lange et al. (2004) as having a national conservation status is the celery-leaved pondweed, *Potamogeton pectinatus*. It's national status in 'Chronically threatened – gradual decline'. In the area covered by this list, it was seen in Lake 2 only, though no dragging was done in Lake 1 for water plants. Koi carp in Lake 1 might have eliminated this totally aquatic water plant.

Abbreviations: \* = adventive species

Abundance: 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 = planted

	<b>Common name(s)</b>	<b>Forest</b>	<b>Lake 1</b>	<b>Lake 2<sup>2</sup></b>
<u>Gymnosperms</u>				
Dacrycarpus dacrydioides	kahikatea	c	u	
Prumnopitys taxifolia	matai	1 (male)		
<u>Dicot trees, shrubs, lianes</u>				
Alectryon excelsus	titoki	L		
Beilschmiedia tawa	tawa	3		
*Berberis glaucocarpa	barberry	1 (juv.)		
Brachyglottis repanda	rangiora	u		
Clematis forsteri		u		
*Clematis vitalba	old man's beard	1 <sup>3</sup>		

<sup>1</sup> 22 Forres St, Wanganui

<sup>2</sup> A complete list was not made for Lake 2 – the species noted were mostly those that had not been seen at Lake 1

<sup>3</sup> One young plant seen, removed 27 Feb 2005

	<b><u>Common name(s)</u></b>	<b><u>Forest</u></b>	<b><u>Lake 1</u></b>	<b><u>Lake 2<sup>2</sup></u></b>
Coprosma areolata		o		
Coprosma rhamnoides		c		
Coprosma robusta	karamu	u	u	
* Crataegus monogyna	hawthorn	u		
Elaeocarpus dentatus	hinau	c		
Geniostoma ligustrifolium	hangehange	u	u	
Hebe stricta	koromiko		1	
Hebe spp.		p		
Hedycarya arborea	pigeonwood	c?		
Knightia excelsa	rewarewa	c		
Kunzea ericoides	kanuka	c + p		
Laurelia novae-zelandiae	pukatea	o		
Leptospermum scoparium	manuka	u		
Leucopogon fasciculatus	mingimingi	u		
Macropiper excelsum	kawakawa	a		
Melicytus ramiflorus	mahoe	c	o	
Metrosideros diffusa	white rata vine	o		
Metrosideros perforata	white rata vine	o		
Muehlenbeckia australis	pohuehue	u	u	
Myoporum laetum	ngaio	1		
Myrsine australis	mapou	o		
Nestegis cunninghamii	black maire	1		
Nestegis lanceolata	white maire	3		
Olearia rani	heketara	1		
Parsonsia heterophylla	NZ jasmine	o	u	
Pittosporum tenuifolium	kohuhu	u		
Pseudopanax crassifolius	lancewood	o		
*Salix cinerea	grey willow			la
Solanum aviculare	poroporo	1	1	
Sophora spp.	kowhai	p		
* Ulex europaeus	gorse	Lc	Lc	
<b>Monocot trees and lianes</b>				
Cordyline australis	cabbage tree	u + p	o	
Ripogonum scandens	supplejack	o		
<b>Monocot herbs</b>				
	<b><u>Orchids</u></b>			
Corybas macranthus [=Nematoceras macrantha]	spider orchid	Lc		
Earina mucronata		o		
Microtis unifolia	onion-leaved orchid		o	

	<u>Common name(s)</u>	<u>Forest</u>	<u>Lake 1</u>	<u>Lake 2<sup>2</sup></u>
<b>Grasses</b>				
*Agrostis capillaris	browntop	c		
*Agrostis stolonifera	creeping bent		o	
*Anthoxanthum odoratum	sweet vernal	o	o	
*Cynosurus cristatus	crested dog's tail	c	o	
*Dactylis glomerata	cock's foot	c		
Dichelachne crinita	plume grass	u		
Echinopogon ovatus	hedgehog grass	o		
*Glyceria declinata	floating sweetgrass		o	
*Holcus lanatus	Yorkshire fog	c	c	
Microlaena stipoides	meadow rice grass	c		
*Paspalum dilatatum	paspalum	o?	o	
Rytidosperma racemosum	danthonia	o		
Rytidosperma unarede	danthonia	u		
<b>Sedges</b>				
Bolboschoenus fluviatilis			u	
Carex flagellifera		u		
Carex inversa		u		
Carex lessoniana			La	
Carex secta			Lc	
Carex solandri		u		
Carex virgata			c	
Carex sp. [unidentified; maybe C. ochrosaccus]		u		
*Cyperus eragrostis			u	
Cyperus ustulatus	mariscus		l	
Eleocharis acuta	sharp spike sedge		Lc	
Gahnia lacera		L		
Isolepis reticularis		u	u	
Schoenoplectus tabernaemontani	kapungawha		La	
Schoenus maschalinus			u	
Uncinia uncinata	hook sedge	o		
<b>Rushes</b>				
*Juncus articulatus	jointed-leaved rush		Lc	
Juncus caespiticius			l	
*Juncus effusus	soft rush)		o	
Juncus edgariae		u	c	
Juncus sarophorus	broom rush		o	
*Juncus tenuis		u		
Luzula picta s.s.	woodrush	u		
<b>Monocots other than orchids, grasses, sedges and rushes</b>				
Collosperrum hastatum	perching lily	o		
Lemna sp. [L. minor of NZ authors]	duckweed			

	<u>Common name(s)</u>	<u>Forest</u>	<u>Lake 1</u>	<u>Lake 2<sup>2</sup></u>
Phormium cookianum	wharariki, mountain flax	1		
Phormium tenax	harakeke, NZ flax		u	
*Potamogeton crispus	curled pondweed			c?
Potamogeton pectinatus	celery-leaved pondweed			c?
*Spirodela punctata	purple-back duckweed		o?	o
Triglochin striatum	arrowgrass		u	
Typha orientalis	raupo		La	
<b>Dicot herbs</b>				
*Apium nodiflorum	water celery		a	
Cardamine sp. unnamed (C. debilis agg., C. 'Narrow Petal')	NZ bitter cress	u		
*Cirsium arvense	Caifornian thistle	Lc		
*Cirsium vulgare	Scotch thistle	o	u	
Cotula coronopifolia	batchelor's button		L	
Epilobium rotundifolium	willow herb	u		
Epilobium alsinoides	willow herb	u		
Galium propinquum	native bedstraw	u		
Euchiton collina (E. gymnocephala)	cudweed	o		
Hydrocotyle moschata	hairy pennywort	Lc		
Hydrocotyle novaeseelandiae	swamp pennywort	u	o	
Lagenifera pumila	a native daisy	u		
Lobelia anceps		u		
*Lotus pedunculatus	lotus major	L	c	
*Mentha pulegium	pennyroyal	u	L	
*Myosotis laxa	water forget-me-not		u	
*Nymphaea alba	waterlily		L	
Oxalis exilis	native oxalis	o		
* Phytolacca octandra	inkweed	o		
*Plantago lanceolata	narrow-leaved plantain	o		
Plantago raoulii	NZ plantain	u		
*Polygonum hydropiper	water pepper	o	o	
Polygonum salicifolium	NZ willow weed		La	
Pratia angulata		u		
Pseudognaphalium luteo-album agg.	woolly cudweed	u		
Ranunculus reflexus	bush buttercup	o		
* Ranunculus repens	creeping buttercup	L	c	
*Senecio bipinnatisectus	Australian fireweed	u	o	
* Senecio glastifolius	pink ragwort	u		
Senecio hispidulus	native fireweed	u		
*Senecio jacobaea	ragwort	o		
Senecio minimus	native fireweed	u		

	<u>Common name(s)</u>	<u>Forest</u>	<u>Lake 1</u>	<u>Lake 2<sup>2</sup></u>
<i>Senecio rufiglandulosus</i>	a native daisy	u		
* <i>Stachys sylvatica</i>	woundwort	L	L	
* <i>Stellaria alsine</i>	bog stitchwort		U	
<i>Stellaria parviflora</i>	NZ chickweed	o		
<i>Wahlenbergia colensoi</i>	white harebell	u		
<u>Ferns</u>				
<i>Adiantum cunninghamii</i>	maidenhair fern	o		
<i>Asplenium flaccidum</i> s.s.	hanging spleenwort			
<i>Asplenium gracillimum</i>		o		
<i>Asplenium polyodon</i>	sickle spleenwort	u		
<i>Azolla filiculoides</i> ssp. <i>rubra</i>	floating water fern		Lc	
<i>Blechnum chambersii</i>		o		
<i>Blechnum filiforme</i>	climbing blechnum	o		
<i>Blechnum minus</i> [of NZ authors]	Swamp kiokio	u	o	
<i>Blechnum novae-zelandiae</i>	kiokio	u		
<i>Cyathea dealbata</i>	ponga	o		
<i>Cyathea medullaris</i>	mamaku	o		
<i>Histiopteris incisa</i>	gully water fern		u	
<i>Hymenophyllum demissum</i>	filmy fern	u		
<i>Hypolepis distans</i>				L
<i>Microsorium pustulatum</i>	hound's tongue fern	o		
<i>Microsorium scandens</i>		u		
<i>Paesia scaberula</i>	ring fern	u		
<i>Pneumatopteris pennigera</i>		L	o	
<i>Polystichum novaezelandiae</i> ssp. <i>zerophyllum</i>	hard shield fern	o		
<i>Polystichum wawranum</i>	hard shield fern	o		
<i>Pteris pendula</i> [ <i>P. macilenta</i> of NZ authors]		u		
<i>P. tremula</i>	shaking brake	o		
<i>Pyrrosia eleagnifolia</i>	leather-leaf fern	o		
Total number per habitat		114	54	5

Total number of species indigenous to this area = 116

Total number of species = 147