

# Vascular Plants of Virginia Lake Reserve, St John's Hill, Wanganui

## Wanganui Plant List No. 99

(incorporating Wanganui Plant List No. 78: wetland plants of Virginia Lake)

List excludes the Winter Gardens (glasshouses and surrounding enclosed areas)

Compiled by Colin Ogle

22 Forres Street Wanganui

With assistance of members of Wanganui Botanical Group, and extra identifications by

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Last updated 3 July 2003; 7 Sept 2008

For exotic species, \* denotes planted specimens and \*\* denotes species that are self-establishing, including weeds and species spreading from planted specimens. The 'no. labelled' (RH Column) refers to metal name plates attached to trees 2000-2002.

For NZ indigenous species, "a" denotes species presumed to be natural to the reserve; "b" denotes planted specimens, and "c" denotes planted specimens that are now self-establishing.

CHR, NZFRI, AK: specimens from Virginia Lake in herbaria at Landcare Research, Lincoln (CHR); ForestResearch, Rotorua (NZFRI); Auckland Museum (AK)

### Trees and shrubs

<b>1. Gymnosperms</b>	<b>Common name</b>	<b>No. labelled</b>
* Abies nordmanniana (NZFRI)	Caucasian fir	2
* <del>Abies pinsapo</del> (NZFRI [blew down in gale 2003])	<del>Spanish fir</del>	1
b Agathis australis	kauri	1
* Araucaria araucana	monkey puzzle	1
* Araucaria heterophylla	Norfolk pine	2
* <del>Callitris gracilis ssp. gracilis</del> (NZFRI, CHR, AK, WELT)	<del>Blew over in storm June 2003</del>	<del>1</del>
* Callitris rhomboidea (NZFRI)	Port Jackson pine, cypress pine	1
* Cedrus atlantica 'glauca'	Atlantic cedar	1
* Cedrus sp. (?C. deodara/libanii)	cedar	
* Chamaecyparis funebris (NZFRI 22551; [Ogle 3835])		1
* Chamaecyparis lawsoniana (NZFRI 22550)	Lawson's cypress	1
* Chamaecyparis pisifera (NZFRI [Ogle3834])	sawara cypress	1
* Cryptomeria japonica	Japanese cedar	1
* Cunninghamia lanceolata	Chinese fir	1
** <del>Cupressus lusitanica</del> (NZFRI)	<del>Mexican cypress [felled sometime</del>	
<b>between 2003-2008]</b>		1
* Cupressus macrocarpa	macrocarpa	
* Cupressus macrocarpa cv 'lutea'?	golden macrocarpa	
* Cupressus sempervirens (NZFRI 22546, 23208)	Italian cypress	2
* Cupressus torulosa	Bhutan cypress	
b Dacrycarpus dacrydioides	kahikatea	2
b Dacrydium cupressinum	rimu	1
* Decussocarpus falcatus (= Afrocarpus falcata) (NZFRI 8391, 22437, 23301)	(has bark like matai)	1
* Gingko biloba	gingko, maidenhair tree	2
* Juniperus chinensis (NZFRI)	Chinese juniper	
* Juniperus chinensis cv "Kaizuka"		
* Juniperus communis ' '	juniper	

* Juniperus recurva (NZFRI		
* Juniperus squamata 'Meyeri'	flaky juniper	
* Metasequoia glyptostroboides (NZFRI 22467)	dawn redwood	2
* Picea abies [ID conf. by FRI in 1997 but specimen not kept]		
* Picea omorika (NZFRI 8458)		
* Picea smithiana	Morinda spruce	1
* Pinus canariensis?		
* Pinus muricata	bishop pine	1
* Pinus nigra ssp. nigra (NZFRI 22436)	Austrian pine	2
* Pinus patula	Mexican weeping pine	
* Pinus pinaster (NZFRI 22435)	maritime pine	1
** Pinus radiata	radiata pine	4
* Pinus wallichiana (NZFRI 22434)	Bhutan pine	1
* Podocarpus elatus (NZFRI 8390; 22438) [incl. earlier record of P. macrophyllus]		
* Podocarpus henkelii (NZFRI 23237 <i>died 2001, but another is present</i> )		
c Podocarpus totara	totara	2
b Prumnopitys ferruginea	miro	1
b Prumnopitys taxifolia	matai	
* Pseudotsuga menziesii	Douglas fir	1
* Sequoia sempervirens	(Californian) redwood	2
* Sequoiadendron giganteum	wellingtonia, "big tree"	2
* Taxodium distichum	swamp cypress (behind swamp maire)	
* Taxus baccata	yew	
* Thuja plicata	western red cedar	
* Thujopsis dolabrata	hiba [on 'canoe ridge' – has old label]	

## 2. Monocot trees and shrubs

* Archontophoenix cunninghamiana	bangalow/picabeen palm	1
* Butia capitata	butia palm, jelly palm	1
c Cordyline australis	cabbage tree, ti kouka	
* Cordyline rubra [Australian]		
* Cordyline stricta [Australian]		
* Howea forsteriana	kentia palm	
* Livistona australis	cabbage or fan palm	2
** Phoenix canariensis	phoenix palm	3
b Rhopalostylis sapida	nikau palm	
* Ruscus aculeatus	butcher's broom	
* Syagrus romanzoffiana	queen palm (new June2002 at new entrance gates)	
* Trachycarpus fortunei	Chinese windmill palm	2
* Washingtonia robusta	skyduster	1

## 3. Dicot trees and shrubs

* Abelia x grandiflora	abelia	
** Acacia baileyana CHR	golden wattle, Cootamundra wattle	
** Acacia dealbata	silver wattle	1
** Acacia decurrens (NZFRI 22439; 22635)	green wattle	
* Acacia floribunda (NZFRI 22636)	white sally, sally wattle	1
* Acacia elata (NZFRI 22532)		1
* Acacia longifolia ssp. longifolia	Sydney golden wattle	

* Acacia maidenii (NZFRI	Maiden's wattle	2
* Acacia mearnsii	black wattle	
* Acacia melanoxylon	Tasmanian blackwood	1
** Acacia paradoxa (NZFRI )	kangaroo acacia (1 seedling, removed for NZFRI)	
* Acacia prominens (NZFRI )	golden rain wattle, Gosford Wattle	
	[western top track]	
** Acacia schinoides (NZFRI 23252, NZFRI )	frosty wattle (2 labelled, stolen 2003)	
* Acacia sophorae	sand wattle	
* Acer palmatum	maple	1
* Acer pseudoplatanus	sycamore	1
* Acmena smithii	monkey apple	
** Aesculus hippocastanum (CHR	horse chestnut	1
* Agonis juniperina	juniper myrtle	
c Alestryon excelsus	titoki	
	[top western track near <i>Waterhousea</i> or by <i>Archontophoenix</i> ]	
* Allocasuarina torulosa (NZFRI 22433)	forest oak; rose she-oak	1
* Allocasuarina verticillata (NZFRI 22432, 22469)	drooping sheoak	1
* Alloxydon pinnatum (syn. Oreocallis pinnata)	Dorrigo waratah [fls. 3/12/01]	1
	(NZFRI ; AK ) [The only tree was felled sometime between 2005-2008]	
** Alnus glutinosa	alder	2
* Angophora costata (NZFRI 23222)	smooth-barked apple	2
* Arbutus unedo	strawberry tree	
* Atriplex halimus	salt bush	
* Aucuba japonica (NZFRI 22547)		
* Azara microphylla	vanilla tree	
* Banksia integrifolia	coastal banksia	2
* Banksia ericifolia		
* Banksia grandis (NZFRI	bull banksia	
* Banksia serrulata [new plantings 2008]		
c? Beilschmiedia tawa	tawa (2 seedlings 1/03) <sup>1</sup>	
* Betula pendula	silver birch	2
* Brachychiton acerifolius	kurrajong, Illawarra flame tree	2
c Brachyglottis repanda	rangiora	
b Brachyglottis greyi x B. monroi		
b Brachyglottis greyi x B. repanda		
* Buddleja davidii	purple buddleia	
* Buddleja saligna (NZFRI 23238)	olive buddleia	
* Buddleja salvifolia	South African buddleia	
* Buxus sempervirens	box	
* Callicarpa rubella		
* Callistachys lanceolatum (syn. Oxylobium) <sup>2</sup> [NZFRI]		
* Callistemon citrinus (red stamens) (NZFRI 22459)		
* Callistemon pallidus (pale yellow stamens)(NZFRI 23221)		1
* Callistemon salignus (whitish stamens)	white (green) bottlebrush	2
* Camellia spp. and cvs	camellia	

<sup>1</sup> 2 seedlings c. 20 cm tall, found beside patch of *Gunnera tinctoria* near the 'raised pond' – no adult known in the reserve or gardens nearby

<sup>2</sup> The one shrub is in base of a *Melaleuca* tree and thus would appear to be self-established. However, the species is not known elsewhere in Virginia lake reserve, or anywhere in Wanganui, so is not regarded as adventive at present.

* <del>Carica pubescens</del>	<del>mountain pawpaw</del> killed by frost 2001	
* Carpinus betulus	hornbeam	1
b Carpodetus serratus	putaputaweta	1
* Castanea sativa	sweet chestnut	1
* Casuarina cunninghamiana (NZFRI 23207)	river she-oak	1
* Catalpa speciosa	western catalpa	1
* Ceratopetalum gummiferum (NZFRI 22476)	NSW Christmas bush	
* Cercis siliquastrum	Judas tree	
** Chamaecytisus palmensis	tagasaste, tree lucerne	
* Chaenomeles speciosa	japonica	
** Chrysanthemoides monilifera	boneseed	
b Coprosma acerosa	sand coprosma	
b Coprosma arborea 'purpurea'	mamangi	
c Coprosma repens	taupata	
b Coprosma rhamnoides cv.		
a Coprosma robusta	karamu	
b Coprosma acerosa X C. repens (C. 'Kirkii')		
* Cornus kousa	dogwood [fls 3/12/01]	1
b Corokia x cheesemanii	hybrid Corokia [various forms]	
c Corynocarpus laevigatus	karaka	2
* Cotinus coggygria (=Rhus cotinus)	smoke tree	1
** Cotoneaster franchetii	cotoneaster	
** Cotoneaster glaucophyllus	cotoneaster	
* Cotoneaster henryanus x C. salicifolius		
* Cotoneaster microphyllus	a sprawling cotoneaster	
** Cotoneaster pannosus		
** Cotoneaster simonsii	Khasia berry	
* Cotoneaster horizontalis		
* Cussonia spicata (NZFRI 22583)	cabbage tree (S. African)	1
** Dendrobenthamia (Cornus) capitata	dogwood	
* Deutzia sp.		
b Dysoxylum spectabile	kohekohe	1
** Elaeagnus x reflexa	elaeanus	
** Eriobotrya japonicus	loquat	1
* Escallonia sp.		
* Eucalyptus calophylla (NZFRI 23253)	marri	1
* Eucalyptus cinerea (NZFRI 22225)	silver dollar gum, Argyle apple	
* Eucalyptus citriodora	lemon-scented gum	1
* Eucalyptus conferruminata (NZFRI 5611 - collected here in 1958)	bushy yate	1
* Eucalyptus deanei (NZFRI 23300)	round-leaved gum	1
* Eucalyptus ficifolia	red-flowering gum	2
* Eucalyptus leucoxyton (NZFRI 23229)	South Australian blue gum	1
* Eucalyptus megacarpa (NZFRI 22217)	bullich	1
* Eucalyptus muelleriana	yellow stringybark	1
* Eucalyptus sideroxyton (NZFRI 22463, 22224)	red ironbark, mugga	2
* Eucalyptus tereticornis	forest red gum	1
* Eucalyptus tricarpa (NZFRI		1

* Eucalyptus viminalis	manna gum, ribbon gum	1
* Euonymus europaeus	spindle tree	
** Euonymus japonica	Japanese spindle tree	
* Euonymus lucidus (syn. E. pendula) (AK, NZFRI 22456, 22457)		3
* Fagus sylvatica	European beech	1
* Fagus sylvatica cv 'Pendula'	weeping beech	1
* Fagus sylvatica cv. Rivers? (purple form) (+1)	copper beech	
** Fatsia japonica	fatsia	
* Feijoa sellowiana	feijoa	1
* Ficus elastica	rubber plant	1
* Ficus macrophylla	Moreton Bay fig	1
** Fraxinus ornus (NZFRI 22466; CHR )	manna ash	
* Fraxinus excelsior	ash	1
b Fuchsia procumbens	creeping fuchsia	
a Geniostoma ligustrifolia	hangehange	
* Gleditsia triacanthos	honey locust	1
* Grevillea robusta	silky oak	2
* Grevillea 'Robyn Gordon'	grevillea	
b Griselinia littoralis	broadleaf	1
b Griselinia lucida	broadleaf	
* Hakea salicifolia (NZFRI 8373)	willow-leaved hakea	1
b Hebe diosmifolia agg.		
b Hebe elliptica		
b Hebe macrocarpa		
a Hebe stricta var. stricta	koromiko	
b Hebe venustula		
b Hebe parviflora s.s.	tree hebe	
b Hebe spp. & hybrids	hebe, koromiko	
b? Hedycarya arborea	pigeonwood ( <i>1 m juv, self-established?</i> )	
c Hoheria populnea var. populnea	lacebark, houhere	1
** Hydrangea macrophylla	hydrangea	
* Ilex aquifolia	holly	
* Iochroma caesia		
* Jacaranda mimosifolia	jacaranda	1
* Juglans ailantifolia	Japanese walnut	
b Knightia excelsa	rewarewa	1
* Laburnum anagyroides	laburnum	
* Lagunaria patersonia	Norfolk I hibiscus, sally wood, white oak	1
* Lavandula angustifolia var.	English lavender	
* Leucodendron saligna (syn. L. adsendens)		
* Leucodendron 'Safari Sunset'		
* Ligustrum ovalifolium	privet	
** Ligustrum sinense	Chinese privet	
* Liquidamber styraciflua	liquidamber	3
* Liriodendron tulipifera	tulip tree	1
b Litsea calicaris	mangeao	
* Lonicera nitida		

b	Lophomyrtus obcordata	rohutu	
b	Lophomyrtus x ralphii forms)	rohutu/ramarama hybrids (various foliage colour	
*	Lophostemon confertus (NZFRI 22215)	brush box	2
*	Macadamia integrifolia	macadamia	
*	Macadamia tetraphylla	macadamia	1
*	Mackaya bella	[fls. 3/12/01]	
c	Macropiper excelsum	kawakawa	
*	Magnolia grandiflora	evergreen magnolia	1
*	Magnolia cvs (deciduous)	magnolia	
*	Mahonia sp. (unidentified)		
*	Malus x domestica	apple	
*	Malus cvs	crab apples	
*	Maytenus boaria	maiten	1
*	Melaleuca alternifolia		1
*	<del>Melaleuca armillaris (white stamens)</del> (NZFRI 23230)	<b>The only tree was felled in May 1999</b>	
*	Melaleuca bracteata (NZFRI [Ogle 3959])		
*	Melaleuca decora (white stamens) (NZFRI 22472)	honey myrtle (a paperbark)	1
*	Melaleuca hypericifolia (red stamens) (NZFRI 22460)		
*	Melaleuca linariifolia		
*	Melaleuca styphelioides (white stamens) (NZFRI 22458, 22473)	paperbark	2
*	Melia azedarach	white cedar, Persian lilac	
b	Melicope ternata	wharangi	1
c	Melicytus ramiflorus	mahoe	2
b	Meryta sinclairii	puka	
b	Metrosideros bartlettii <sup>3</sup>	Bartlett's rata	
c	Metrosideros excelsa	pohutukawa	2
b	Metrosideros robusta	northern rata	1
b	Metrosideros excelsa x M. robusta (cv 'Mistral'?)		
b	Metrosideros excelsa x M. umbellata? (cv 'Mangapiko')		
*	<del>Mimetes cucullatus (removed in 1997)</del>		
b	Myoporum laetum	ngaio	
c	Myrsine australis	mapou	1
*	Nandina domestica?	nandina	
*	Nerium oleander	oleander	
c	Nestegis cunninghamii	black maire	
b	Nothofagus fusca	red beech	1
b	Nothofagus menziesii	silver beech	2
b	Nothofagus solandri var. solandri	black beech	2
b	Olearia traversii	Chatham I akeake	
*	Oxylobium lanceolatum (see Callistachys lanceolatum)		
*	Paraserianthes lophantha	brush wattle	
*	Phebalium squamosum?	hedge phebalium	
*	Photinia serrulata (NZFRI		1

<sup>3</sup> Donated by Colin & Robyn Ogle, planted in about June 2000; flowering in Dec 2000 (it had not flowered before in a pot for > 14 years.) Survived heavy frosts without apparent damage in July 2001.

b	Pisonia brunoniana	para	
c	Pittosporum crassifolium	karo	1
b	Pittosporum eugenioides	tarata, lemonwood	1
c	Pittosporum ralphii		1
c	Pittosporum tenuifolium ssp. tenuifolium	kohuhu	1
*	Platanus X acerifolia	London plane	
*	Plumbago capensis	plumbago	
*	Polygala myrtifolia	sweet pea shrub	
*	Pomaderris aspera	hazel pomaderris	1
**	Populus alba	silver poplar	
*	Populus nigra cv 'Italica'	Lombardy poplar	1
*	Populus tremula (NZFRI	aspen	1
b	Pouteria costata (= Planchonella costata) (NZFRI 23234)	tawapou	
*	Protea neriifolia	protea	
*	Prunus cerasifera cvs ( <i>some purple-leaved</i> )	cherry plum	
*	Prunus laurocerasus	cherry laurel	
*	Prunus lusitanica	Portugal laurel	
*	Prunus serrulata cvs	flowering cherries	
*	Prunus X domestica	plum	
b	Pseudopanax arboreus	five-finger	1
b	Pseudopanax crassifolius	lancewood	1
b	Pseudopanax ferox	fierce lancewood	
b	Pseudopanax laetus		
b	Pseudopanax lessonii	houpara, coastal fivefinger	
c	Pseudopanax crassifolius X P. lessonii		
*	Pterocarya sp.	wingnut	
*	Pyracantha sp.	fire-thorn	
*	Quercus cerris	turkey oak	1
*	Quercus ilex	holm oak	1
*	Quercus palustris	pin oak	1
**	Quercus robur	oak	1
*	Quercus rubra (=Q. borealis)?	red oak? (young planting 2001)	
*	Rhamnus alaternus	evergreen buckthorn	
*	Rhaphiolepis umbellata	sexton's bride	
*	Rhododendron ssp. & cvs	rhododendron, azalea	
*	Rhodosphaera rhodanthema (NZFRI	deep yellow-wood, tulip satinwood	
*	Rhus lancea (NZFRI 23209; AK )		1
*	Ribes sanguineum	flowering currant	
*	Robinia pseudacacia cv 'Frisia'	robinia	
*	Rosa chinensis & cvs	hybrid tea and other roses	
*	Rosmarinus officinalis	rosemary	
**	Salix babylonica	weeping willow	
**	Salix cinerea	grey (pussy) willow	
*	Salix elaeagnos	bitter willow (an osier)	
*	Salix fragilis	crack willow	
*	Salix matsudana	tortured willow	
*	Salix sp. (unidentified)		
**	Senecio petasitis	velvet groundsel	
a	Solanum laciniatum	poroporo	

**	<i>Solanum mauritianum</i>	woolly nightshade	
**	<i>Solanum pseudocapsicum</i>	Jerusalem cherry	
b	<i>Sophora chathamica</i>	kowhai [by rose pergola]	1
b	<i>Sophora microphylla</i> s.s.	kowhai [track in from south entrance]	1
b	<i>Sophora longicarinata</i>	Golden Bay kowhai	
b	<i>Sophora prostrata</i>	shrub kowhai	
b	<i>Sophora tetraptera</i>	kowhai	
*	<i>Spiraea</i> sp.	may	
*	<i>?Stenocarpus angustifolius</i> – needs fruit for +ve ID		
*	<i>Stenocarpus salignus</i> (NZFRI 23236)		1
*	<i>Stenocarpus sinuatus</i> (NZFRI	firewheel tree	1
*	<i>Styrax japonica</i> (NZFRI 22471)		1
*	<i>Syncarpia glomulifera</i>	red turpentine	3
*	<i>Syzygium australe</i>	lillypilly	1
b	<i>Syzygium maire</i>	swamp maire, maire tawake	1
*	<i>Syzygium paniculatum</i>	lillypilly	1
**	<i>Teline monspessulana</i>	montpellier broom	
**?	<i>Teline stenopetala</i>		
*	<i>Tilia x europaea</i>	lime, linden	2
*	<i>Tristaniopsis laurina</i> (NZFRI 22203)		1
**	<i>Ulex europaeus</i>	gorse	
*	<i>Ulmus glabra</i> cv ‘Camperdown’	weeping elm	1
**	<i>Ulmus x hollandica</i>	suckering elm	1
*	<i>Ulmus</i> sp.	golden elm	
*	<i>Viburnum japonicum</i>		
*	<i>Viburnum odoratissimum</i> (NZFRI 23239 ;AK )		1
*	<i>Viburnum tinus?</i> (NZFRI	laurustinus?	
*	<i>Viburnum x burkwoodii</i>		
*	<i>Viburnum</i> sp. [soft furry rounded lvs]		
b	<i>Vitex lucens</i>	puriri	1
*	<i>Waterhousea floribunda</i> (NZFRI 23235)	weeping lillypilly	1
	<i>Westringia</i> sp.		

#### **4. Monocot lianes**

**	<i>Asparagus (Myrsiphyllum) asparagoides</i>	smilax	
*	<i>Asparagus falcatus</i> (AK )		
**	<i>Asparagus scandens</i>	climbing asparagus	

#### **5. Dicot lianes**

*	<i>Akebia quinata</i>	akebia	
**	<i>Araujia sericifera</i>	moth vine (1 plant seen & to be removed, 7/01)	
a	<i>Calystegia sepium</i>	pink bindweed	
*	<i>Clematis montana</i>		
**	<i>Clematis vitalba</i>	old man’s beard	
**	<i>Hedera helix</i>	ivy	
*	<i>Jasminum mesneyi</i>	yellow jasmine	
**	<i>Jasminum polyanthum</i>	jasmine	
a	<i>Muehlenbeckia australis</i>	pohuehue	
*	<i>Parthenocissus tricuspidata</i>	Virginia creeper	

**	<i>Passiflora mollissima</i>	banana passionfruit
**	<i>Passiflora</i> sp. (cf. <i>P. mollissima</i> ; smaller, less furry) (CHR)	
*	<i>Pandorea</i> sp.	
*	<i>Phaseolus coccinea</i>	scarlet runner bean
*?	<i>Rosa multiflora</i>	thornless rambling rose [5-petalled white flowers]
**	<i>Rumex sagittatus</i>	climbing dock
**	<i>Senecio mikanioides</i>	German ivy
**	<i>Tecomaria capensis</i>	
*	<i>Wisteria</i> sp.	wisteria

## **6. Monocot herbs**

### **(a) Sedges**

a?	<i>Bolboschoenus fluviatilis</i>	purua grass
**	<i>Carex divulsa</i>	
b	<i>Carex flagellifera</i>	
a	<i>Carex inversa</i>	
a	<i>Carex lessoniana</i>	
a	<i>Carex maorica</i>	
a	<i>Carex secta</i> s.s.	purei
a	<i>Carex solandri</i>	
b	<i>Carex testacea</i>	
a	<i>Carex virgata</i>	
a	<i>Carex</i> sp. (unnamed, aff. <i>C. geminata</i> - giant sp.)	
**	<i>Cyperus eragrostis</i>	
*	<i>Cyperus involucratus</i>	
a	<i>Cyperus ustulatus</i>	mariscus
a	<i>Eleocharis acuta</i>	sharp spike sedge
a	<i>E. gracilis</i>	slender spike sedge
a?	<i>E. sphacelata</i>	bamboo spike sedge
**	<i>Isolepis marginata</i> (CHR)	
a	<i>Isolepis reticularis</i> (CHR)	
**	<i>Isolepis setacea</i> (CHR)	
a	<i>Schoenoplectus tabernaemontani</i>	kapungawha
a	<i>Schoenus maschalinus</i>	

### **(b) Grasses**

**	<i>Agrostis stolonifera</i>	creeping bent
**	<i>Anthoxanthum odoratum</i>	sweet vernal
**	<i>Bromus diandrus</i>	ripgut brome
**	<i>Bromus hordeaceus</i>	soft brome
**	<i>Bromus willdenowii</i>	prairie grass
**	<i>Cynodon dactylon</i>	Indian doab
**	<i>Dactylis glomerata</i>	cocksfoot
**	<i>Ehrharta erecta</i>	veld grass
**	<i>Glyceria declinata</i>	floating sweetgrass
**	<i>Holcus lanatus</i>	Yorkshire fog
**	<i>Lolium perenne</i>	perennial ryegrass
a	<i>Microlaena stipoides</i>	meadow rice grass
**	<i>Paspalum dilatatum</i>	paspalum

**	<i>Paspalum distichum</i> (CHR)	Mercer grass
**	<i>Pennisetum clandestinum</i>	kikuyu grass
**	<i>Piptatherum miliaceum</i>	
a?	<i>Poa anceps</i>	
**	<i>Poa annua</i>	
**	<i>Poa trivialis</i>	
**	<i>Pseudosasa japonica</i>	a bamboo
**	<i>Schedonorus phoenix</i> (= <i>Festuca arundinacea</i> )	tall fescue
**	<i>Vulpia bromoides</i>	vulpia hairgrass

### (c) Rushes

**	<i>Juncus articulatus</i>	jointed-leaved rush
**	<i>Juncus bufonius</i>	toad rush
**	<i>Juncus effusus</i>	soft rush
a	<i>Juncus pallidus</i>	
a	<i>Juncus planifolius</i>	
**	<i>Juncus tenuis</i>	

### (d) Monocots other than sedges, grasses and rushes

*	<i>Aloe</i> sp.	aloe
c	<i>Arthropodium cirratum</i>	renga lily
**	<i>Agapanthus orientalis</i>	agapanthus
**	<i>Allium triquetrum</i>	three-cornered garlic, "wild onion"
**	<i>Amaryllis belladonna</i>	naked lady
*	<i>Anigozanthus flavidus</i>	kangaroo paw
*	<i>Aspidistra elatior</i>	aspidistra, cast-iron plant
**	<i>Chlorophytum comosum</i> (CHR)	
*	<i>Clivia miniata</i>	clivia
**	<i>Crocasmia x crocosmiiflora</i>	montbretia
*	<i>Doryanthes</i> sp.	
**	<i>Egeria densa</i> (CHR)	egeria oxygen-weed
**	<i>Iris foetidissima</i>	stinking iris
**	<i>Iris pseudacorus</i>	flag iris
*	<i>Hedychium</i> sp. (unidentified)	wild ginger
*	<i>Kniphofia uvaria</i> ?	redhot poker
a	<i>Lemna</i> sp. [unnamed; <i>L. minor</i> of NZ authors]	duckweed
*	<i>Lilium</i> spp.	lilies
b	<i>Phormium cookianum</i>	wharariki, NZ mountain flax
a?	<i>Phormium tenax</i>	harakeke, NZ flax
*	<i>Pontaderia cordata</i>	pickerel weed
*	<i>Potamogeton crispus</i>	curled pondweed
a	<i>Thelymitra longifolia</i>	sun orchid
**	<i>Tradescantia fluminensis</i>	wandering Jew
a	<i>Typha orientalis</i>	raupo
*	<i>Wachendorfia thyrsoiflora</i>	
*	<i>Watsonia</i> sp.	
**	<i>Zantedeschia aethiopica</i>	arum lily

## 7. Dicot Herbs

**	<i>Achillea millefolium</i>	yarrow
**	<i>Angelica pachycarpa</i>	angelica
**	<i>Aphanes inexpectata</i>	parsley piert
*	<i>Astilbe</i> sp.	
**	<i>Bellis perennis</i>	lawn daisy
**	<i>Cardamine flexuosa</i>	bitter cress
**	<i>Cardamine hirsuta</i>	bitter cress
**	<i>Centaurium erythraea</i>	centaury
a	<i>Centella uniflora</i>	
**	<i>Conyza albida</i>	fleabane
**	<i>Crepis capillaris</i>	hawksbeard
**	<i>Cymbalaria muralis</i>	ivy-leaved toadflax
**	<i>Dichondra micrantha</i>	
**	<i>Duchesnea indica</i>	Indian strawberry
**	<i>Epilobium ciliatum</i>	willowherb
**	<i>Erigeron karvinskianus</i>	Mexican daisy
a	<i>Euchiton involucrata</i> ( <i>Gnaphalium involucratum</i> )	native cudweed
**	<i>Euphorbia characias</i> (CHR)	Wulfen spurge
**	<i>Euphorbia peplus</i>	milkweed
**	<i>Fumaria capreolata</i>	rampant fumitory
**	<i>Fumaria muralis</i>	scrambling fumitory
**	<i>Galinsoga parviflora</i>	galinsoga, Kew weed
**	<i>Galium aparine</i>	cleavers
**	<i>Geranium molle</i>	soft dove's foot
**	<i>Glechoma hederacea</i>	ground ivy
a	<i>Glossostigma elatinoides</i> (CHR)	
**	<i>Gnaphalium</i> sp. (unidentified - USA sp.)	cudweed
**	<i>Gunnera tinctoria</i>	Chilean rhubarb
*	<i>Helleborus</i> sp.	winter rose
a	<i>Hydrocotyle heteromeria</i>	waxweed
a	<i>Hydrocotyle moschata</i>	hairy pennywort
a	<i>Hydrocotyle novae-zeelandiae</i> (CHR)	swamp hydrocotyle
**	<i>Hypericum perforatum</i>	St John's wort
**	<i>Hypochoeris radicata</i>	cat's ear
**	<i>Impatiens walleriana</i> (CHR)	busy Lizzie
**	<i>Lapsana communis</i>	nipplewort
a	<i>Lilaeopsis</i> sp. ( <i>L.ruthiana</i> ?) (CHR)	tape measure plant
**	<i>Lotus pedunculatus</i>	lotus major
**	<i>Lotus suaveolens</i>	hairy lotus
**	<i>Ludwigia palustris</i> (CHR)	
**	<i>Lythrum salicaria</i> (CHR)	purple loosestrife
**	<i>Mentha pulegium</i>	penny royal
**	<i>Mentha x piperita</i> var. <i>citrata</i> (CHR)	peppermint
**	<i>Modiola caroliniana</i>	creeping mallow
**	<i>Myosotis sylvatica</i>	garden forget-me-not
a	<i>Myriophyllum propinquum</i>	water milfoil
**	<i>Nepeta X faassenii</i>	catmint
**	<i>Nymphaea alba</i>	water lily
**	<i>Orobanche minor</i>	broomrape

**	<i>Osteospermum fruticosum?</i>	
**	<i>Oxalis articulata</i>	sourgrass
a	<i>Oxalis exilis</i>	creeping oxalis
**	<i>Oxalis incarnata</i>	lilac oxalis
**	<i>Oxalis latifolia</i>	fishtail oxalis
*	<i>Penstemon</i> sp.	
**	<i>Pericallis X hybrida</i>	cineraria
**	<i>Physalis peruviana</i>	cape gooseberry
**	<i>Phytolacca octandra</i>	ink-weed
**	<i>Plantago lanceolata</i>	narrow-leaved plantain
*	<i>Plectranthus ciliatus</i>	
**	<i>Polygonum aviculare</i>	wireweed
**	<i>Polygonum hydropiper</i>	water pepper
a	<i>Polygonum salicifolium</i>	NZ willow-weed
**	<i>Portulacca oleracea</i> (CHR)	purslane
**	<i>Prunella vulgaris</i>	selfheal
**	<i>Ranunculus repens</i>	creeping buttercup
**	<i>Rorippa nasturtium-aquaticum</i>	two-row watercress
**	<i>Rumex conglomeratus</i>	clustered dock
**	<i>Rumex crispus</i>	curled dock
**	<i>Rumex obtusifolius</i>	broad-leaved dock
**	<i>Sagina procumbens</i>	pearlwort
**	<i>Senecio bipinnatisectus</i>	fireweed
**	<i>Solanum nigrum</i>	black nightshade
**	<i>Soleirolia soleirolii</i>	mind-your-own-business
**	<i>Soliva sessilis</i>	Onehunga weed
**	<i>Sonchus oleraceus</i>	puha, sow thistle
**	<i>Stachys sylvatica</i>	hedge woundwort
**	<i>Stellaria alsine</i>	bog stitchwort
**	<i>Trifolium dubium</i>	suckling clover
**	<i>Trifolium repens</i>	white clover
**	<i>Trifolium subterraneum</i>	subterranean clover
**	<i>Tropaeolum majus</i>	nasturtium
*	<i>Urtica dioica</i>	creeping nettle
**	<i>Veronica arvensis</i>	field speedwell
**	<i>Veronica serpyllifolia</i> (CHR)	turf speedwell
**	<i>Vinca major</i>	periwinkle
**	<i>Viola odorata</i>	violet

## 8. Ferns and Fern Allies

c	<i>Adiantum formosum</i>	giant maidenhair fern	
b	<i>Asplenium bulbiferum</i> s.s.	hen-and-chicken fern	
a	<i>Asplenium flaccidum</i>	hanging spleenwort	
a	<i>Asplenium oblongifolium</i>	shining spleenwort	
a	<i>Asplenium polyodon</i>	sickle spleenwort	
a	<i>Blechnum minus</i> (of NZ authors)	swamp kiokio	
a?	<i>Blechnum novae-zelandiae</i>	kiokio	
b	<i>Cyathea dealbata</i>	ponga, silver fern	1
b	<i>Cyathea medullaris</i>	mamaku, black tree fern	1
b	<i>Dicksonia fibrosa</i>	wheki-ponga	1
a?	<i>Dicksonia squarrosa</i>	wheki	
**	<i>Equisetum arvense</i> (CHR)	field horsetail	
a	<i>Hypolepis ambigua</i>		
b	<i>Marattia salicina</i>	king fern	
a	<i>Paesia scaberula</i>	ring fern	
a	<i>Microsorium pustulatum</i>	hound's tongue fern	
**	<i>Polystichum proliferum</i> (WELT)		
a	<i>Polystichum richardii</i> prob. <i>P. neozelandicum</i>	hard shield fern	
a	<i>Pteridium esculentum</i>	bracken	
**	<i>Pteris cretica</i>	Cretan brake	
a	<i>Pteris tremula</i>	shaking brake	
a	<i>Pyrrosia eleagnifolia</i>	leatherleaf fern	