

WANGANUI PLANT LIST NO. 65¹

List of Vascular Plants of Forest Remnants adjoining Lower Kawhatau River (including the recommended area for protection, RAP 36, known as Wrenn's Bush).

Block centred on NZMS260/Sheet T22/542553; alt. 310-360 m

Compiled by Colin Ogle (*last updated 5 Jan. 2000*)

Surveys: Protected Natural Areas Programme Survey Team (17 November 1993); Wanganui Botanical Group (1 Feb 1997); DoC Mangaweka and Wanganui (16 Dec 1999)

Locations of species in Wrenn's given as "Protected Area" (area agreed for protection) or "slump" (part of RAP not protected on true left bank of river); "other" = natural areas outside Wrenn's, including part of RAP on true right bank of river.

* denotes adventive species; + denotes species seen in pasture and/or waste areas only.

Abundance ratings: because of the high ecological diversity of this area, almost no species occurs across all landforms and vegetation types. The abundance ratings "a, c, o" should all be taken to read as "locally a, c, or o". a = abundant, c = common, o = occasional, u = uncommon.

CHR, AK = herbarium specimens in Landcare Research and Auckland Museum respectively.

	Protected	Slump	Other <u>Areas</u>
<u>Gymnosperms</u>			
Dacrycarpus dacrydioides	u		o
Podocarpus totara	o	c	o
Prumnopitys taxifolia	o		u
 <u>Dicot trees and shrubs</u>			
Alectryon excelsus	a		c
Aristolelia serrata			u
Beilschmiedia tawa	u		
* Berberis glaucocarpa		u	o
Brachyglottis repanda	o		o
*Buddleja davidii	c	c	c
Carmichaelia australis	u		
Carpodetus serratus	u	u	
Coprosma lucida		u	
C. propinqua	u		
C. rhamnoides	c	c	c
C. rigida	o	c	o
C. robusta	o	o	
C. rotundifolia	u	o	o
	Protected	Slump	Other <u>Areas</u>

¹ As from 1 Jan 2000, this list incorporates past lists 65 and 65A

<i>C. propinqua</i> x <i>C. robusta</i>				u
<i>Coriaria arborea</i>	tree tutu	u		
<i>Fuchsia exorticata</i>	kotukutuku, tree fuchsia			u
<i>Geniostoma rupestre</i>	hangehange		o	
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko	o		u
<i>H. sp.</i> (unnamed; <i>Veronica squalida</i>)		c	o	o
<i>Helichrysum aggregatum</i>	a shrub daisy	u		
<i>Hoheria populnea</i> var. [<i>H. sexstylosa</i>]	lacebark	u	u	o
* <i>Hypericum androsaemum</i>	tutsan	u		
<i>Knightia excelsa</i>	rewarewa			u
<i>Kunzea ericoides</i>	kanuka	o	a	c
<i>Leptospermum scoparium</i>	manuka	o	c	o
<i>Leucopogon fasciculatus</i>	mingimingi	u		
* <i>Leycesteria formosa</i>	Himalayan honeysuckle	o		
<i>Lophomyrtus obcordata</i>	rohutu	o	u	o
* <i>Lupinus arboreus</i>	tree lupin	c	o	a
<i>Melicope simplex</i>	poataniwha	o	u	c
<i>Melicytus ramiflorus</i>	mahoe	a	o	c
<i>Myoporum laetum</i>	ngaio	o	u	u
<i>Myrsine australis</i>	mapou	o	o	o
<i>Nestegis cunninghamii</i>	black maire			u
<i>N. lanceolata</i>	white maire	u		
<i>Nothofagus solandri</i> var. <i>solandri</i>	black beech	u		
<i>Olearia paniculata</i>	akiraho	o	u	
<i>Pennantia corymbosa</i>	kaikomako		u	u
<i>Pittosporum eugenioides</i>	tarata, lemonwood	u	u	
<i>P. tenuifolium</i>				
var. <i>tenuifolium</i>	kohuhu	o		
<i>Pseudopanax arboreus</i>	fivefinger	u		
<i>P. crassifolius</i>	lancewood	u	o	
<i>Pseudowintera colorata</i>	horopito			u
* <i>Salix</i> sp.	willow	o		
* <i>Sambucus nigra</i>	elderberry			u
<i>Schefflera digitata</i>	pate	u	u	
* <i>Solanum pseudocapsicum</i>	Jerusalem cherry	c		
<i>Sophora microphylla</i>	kowhai	o	o	c
<i>Streblus heterophyllus</i>	small-leaved milk tree	u		
<i>Urtica ferox</i>	ongaonga, shrub nettle	u		

Monocot tree

<i>Cordyline australis</i>	ti kouka, cabbage tree	u		
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Dicot lianes

<i>Calystegia sepium</i> agg.	native convolvulus	c		c
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		Protected	Slump	Other <u>Areas</u>
<i>C. tuguriorum</i>	native convolvulus	c		

Clematis foetida		c	u	
C. forsteri		o	u	
C. paniculata	puawhananga	u		
*C. vitalba	old man's beard	o	u	
Metrosideros colensoi	white rata vine	c		
Muehlenbeckia australis	pohuehue			u
Parsonsia capsularis	native jasmine	o		
P. heterophylla	native jasmine			u
Passiflora tetrandra	native passionflower, kohia	o		o
Rubus schmidelioides	bush lawyer	c	o	c
R. squarrosus CHR 498018	leafless lawyer	o		
R. schmidelioides x R. squarrosus		u		

Dicot herbs

Acaena anserinifolia (?)	piripiri (bidibidi)	u		
+*Achillea millefolium	yarrow	u		
+* Anagallis arvensis	scarlet pimpernel		u	
Anaphalioides subrigida	everlasting daisy	o		
*Arctium minus	burdock	c	o	
Cardamine sp [unnamed; C. debilis agg.;				
C. "Narrow Petal" of Pritchard 1957]	native bittercress	c	o	
+*Carduus nutans CHR 498020,1	nodding thistle	u		u
+*C. pycnocephalus	wing thistle	u		
<i>Celmisia "Mangaweka"</i> ²		u		
+* Centaurium erythraea	centaury	o	o	o
+*Cirsium arvense	Californian thistle	o		
* C. palustre	marsh thistle		o	
*C. vulgare	Scotch thistle	o	o	c
* Conium maculatum	hemlock	u		
* Conyza albida	fleabane	o	o	
+* Daucus carota	wild carrot			u
Dichondra repens	Mercury Bay weed	o	o	
Epilobium nerteroides	willow-herb			o
E. nummulariifolium	willow herb		u	
E. pedunculare	willow herb		o	
E. rotundifolium	willow herb		o	
+* Galega officinalis	goat's rue			u
+*Galium aparine	cleavers			u
G. propinquum			u	
Geranium potentilloides (?)			u	
Gnaphalium gymnocephalum	cudweed	u	u	
Gunnera monoica			u	

Protected Slump Other
Areas

Haloragis erecta		o	u	
Hydrocotyle elongata	pennywort	c		

² Planted here in two sites by DoC staff in 1997(?); grown by nursery at Percy's Reserve, Lower Hutt, from seed gathered on roadbank, SH54, above Mangawharariki River.

H. moschata	hairy pennywort	o	o	
H. novae-zeelandiae	swamp pennywort		o	
Korthalsella lindsayi ³ AK	dwarf mistletoe			o
Lagenifera pumila			c	
+*Linum bienne	pale flax	u	u	u
+* L. catharticum	purging flax		o	
L. monogynum	rauhuia	u	u	
*Lotus pedunculatus	lotus major	c	c	c
Mazus novaezeelandiae				
subsp. novaezeelandiae CHR	dwarf mazus		o	
+* Mimulus guttatus	monkey musk			c
*Mycelis muralis	wall lettuce	o	o	
* Myosotis laxa	water forget-me-not		o	o
*Nepeta cataria CHR 498017	catnip	u		u
Nertera depressa			o	
N. setulosa			o	
+* Orobanche minor	broomrape			u
Oxalis exilis	creeping oxalis	o	o	o
+* Parentucellia viscosa	tar-weed		o	c
+*Plantago lanceolata	narrow-leaved plantain		u	o
P. raoulii (narrow-leaved form)	native plantain		o	
Polygonum salicifolium	native willow weed	o		u
Pratia angulata agg.		o	c	
* Prunella vulgaris	self-heal	o	o	o
Pseudognaphalium sp.				
[P. luteo-album agg.]	woolly cudweed	u	u	
Ranunculus reflexus	bush buttercup	o	o	
*R. repens	creeping buttercup		u	o
*Sagina procumbens	pearlwort	u	u	o
Scandia rosifolia	native aniseed	u	u	
Schizeilema trifoliolatum CHR			o	
*Senecio jacobaea	ragwort	u	u	o
S. minimus	fireweed	u	u	
S. quadridentatus		u		
S. rufigliandulosus			u	
+* Sisymbrium officinale	hedge mustard			u
*Solanum chenopodioides	velvety nightshade	u		
*S. nigrum	black nightshade	o		
* Sonchus asper	prickly sowthistle	u		
* S. oleraceus	puwha, sowthistle	o		
Stellaria decipiens	native chickweed	u	u	
+*Taraxacum officinale	dandelion	u		
* Torilis sp	hedgehog parsley	u		
		Protected	Slump	Other
				<u>Areas</u>
+*Trifolium repens	white clover	o	o	c
Urtica incisa	NZ nettle	u	u	
+* Verbascum thapsus	mullein			o
Wahlenbergia rupestris	white harebell	u		

³ On Melicope simplex, Lophomyrtus obcordata

W. violacea blue harebell u o

Monocot herbs

Grasses

+*Agrostis capillaris	browntop	c	c	c
Anemanthele lessoniana CHR 498013	windgrass	c		
+*Bromus hordeaceus	soft brome	u		
Cortaderia fulvida	toetoe	o	u	
+*Dactylis glomerata	cocksfoot	o	o	o
Dichelachne crinita	plume grass		u	
Echinopogon ovatus	hedgehog grass	u	u	
+*Festuca arundinacea	tall fescue	c	c	c
+*F. nigrescens CHR 498020	chewing's fescue	o	o	c
+*Holcus lanatus	Yorkshire fog	u	o	a
+*Hordeum murinum	barley grass	u		
Microlaena stipoides	meadow ricegrass	u	o	
Poa anceps ssp. anceps				c
*Rytidosperma racemosum	danthonia	o	o	
Trisetum drucei		u		
T. lepidum CHR 498014		o		

Sedges

Carex breviculmis		u		
C. forsteri		u		
C. lessoniana	cutty grass	c	c	
C. secta	purei		o	
C. solandri		o	o	
C. testacea CHR 498012		o	o	
C. virgata	cutty grass	u	o	
Isolepis pottsii CHR 498016		u		
Machaerina sinclairii	tuhara	c	o	
Schoenus pauciflorus			c	o
Uncinia laxiflora CHR	hook grass	o		
U. leptostachya CHR 498015	hook grass	o		

Monocot herbs other than grasses and sedges

Arthropodium candidum		u		
Corybas sp. (C. rivularis agg.)	spider orchid		o	
Earina mucronata	a perching orchid	o	o	
		Protected	Slump	Other
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* Juncus articulatus	jointed-leaved rush	u	o	c
J. gregiflorus	rush	u	u	c
J. pallidus			u	
J. sarophorus		o	o	c
* J. tenuis ?			u	

Lemna sp. [L. minor of NZ authors]	duckweed				o
Libertia grandiflora	native iris	u			
Luzula picta s.s.	wood-rush				o
Microtis unifolia	onion-leaved orchid	o			o
Phormium cookianum	wharariki, Mountain flax	o	c		o
Pterostylis banksii (?)	greenhood orchid		u		
P. sp. (P. graminea?)	greenhood orchid		u		

Fern ally

*Equisetum arvense	horsetail	a			o	o
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Ferns

Adiantum cunninghamii	maidenhair fern	o			u	
Asplenium flabellifolium CHR	necklace fern	u				
A. flaccidum	hanging spleenwort	u				
A. gracillimum		o			u	
A. hookerianum		c			u	
A. polyodon	sickle spleenwort					u
A. gracillimum x A. hookerianum		u				
Blechnum chambersii		o				
B. fluviatile		o			u	
B. penna-marina		u			o	
B. minus	swamp kiokio				u	
B. triangularifolium	cliff kiokio	c			o	
Cyathea dealbata	ponga, silver fern				u	
Dicksonia fibrosa	wheki-ponga					u
D. squarrosa	wheki				o	
Diplazium australe						u
Histiopteris incisa					u	
Hypolepis ambigua		o			u	
Lastreopsis velutina	velvet fern	u				
Leptopteris hymenophylloides						u
Microsorium pustulatum	hound's tongue fern	c			c	
Paesia scaberula	ring fern	u			u	
Pellaea rotundifolia	button fern	a			o	
Pneumatopteris pennigera		o			u	
Polystichum richardii		a			c	
Pteridium esculentum	bracken	o				
Pteris tremula	shaking brake	u				
Pyrrhosia eleagnifolia	leather leaf fern	o				

Protected Slump Other
Areas

Trichomanes venosum	filmy bristle fern					u
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Notable occurrences

The following are listed as nationally threatened or local (Cameron et al. 1995): *Mazus novae-zeelandiae* (vulnerable); *Anemanthele lessoniana* (local).

The following have disjunct distributions nationally: *Trisetum drucei*, *Anemanthele lessoniana*.

The following are regionally rare or uncommon: *Scandia rosifolia*, *Schizeilema trifoliolatum*, *Rubus squarrosus*, *Trisetum lepidum*, *Uncinia leptostachya*, *Asplenium flabellifolium*, *Korthalsella lindsayi*.

The occurrence of the following in the Kawhatau Valley are interesting because they are generally more coastal species (*Myoporum laetum*, *Olearia paniculata*, *Lastreopsis velutina*) or montane species (*Schoenus pauciflorus*).

Total number of indigenous species = 157