

**Vascular plants of Wanganui rail-yard, being the 'waste area' between Bullock's yard and
'Hirequip', Taupo Quay**

Wanganui Museum Botanical group, 22 Dec 2006

Legend

i = indigenous species to Wanganui

(i) = indigenous species to NZ, but not occurring naturally in Wanganui

'Earlier' = species recorded in this site since c. 2000, but seen 22.12.06

'Nearby' = species not found on this site, but found between 'Hirequip' and Town Bridge

Total species recorded in 2 hours on 22 Dec 2006 (the list excludes species presumed to be planted deliberately) = 132 (**127 exotic**, including karo). If additional plants seen in this site since about 2000 are added, the total adventive flora for the site is about 158 exotic species, but it is likely that not all these were present at any one time. The entire area between the rail tracks and Taupo Quay was sprayed, probably in Jan 2007; no living plants were found in mid-Feb 2007

<u>Formal Name</u>	<u>Indig- enou- s</u>	<u>Ear- lier</u>	<u>Near- by</u>	<u>Common Name</u>
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Dicot Trees and Shrubs

Buddleja davidii				purple buddleia
Coprosma repens	i			taupata
Hebe stricta	i			koromiko
Lupinus arboreus				tree lupin
Paraserianthes lophantha				brush wattle
Pittosporum crassifolium	(i)			karo
Populus yunnanensis				Yunnan poplar
Solanum aviculare	i			poroporo
Solanum laciniatum	i			poroporo
Ulex europaeus				gorse

Dicot lianes

Calystegia sepium ssp. roseum	i			
Calystegia silvatica				greater bindweed
Clematis vitalba				old man's beard
Muehlenbeckia complexa	i			small-leaved pohuehue
Rubus fruticosus agg.				blackberry
Rumex sagittatus				climbing dock

Dicot herbs

Amaranthus deflexus				redroot
Amaranthus powellii				redroot
Anagallis arvensis ssp. arvensis var. arvensis				scarlet pimpernel
Anthemis cotula				stinking mayweed
Antirrhinum orontium	✓			wild antirrhinum
Arctotheca calendula				Cape daisy
Aster subulatus	✓			sea aster
Brassica rapa ?				wild turnip
Cerinthe major	✓ ⁴			honeywort

Chenopodium murale				nettle-leaved fathen
Chrysanthemum segetum				corn marigold
Cirsium arvense				Californian thistle
Cirsium vulgare				Scotch thistle
Conium maculatum				hemlock
Conyza sumatrensis (C. albida)				fleabane
Conyza bonariensis				fleabane
Coronopus didymus				twincress
Crepis capillaris				hawksbeard
Cymbalaria muralis				toad-flax
Epilobium ciliatum				willow-herb
Epilobium parviflorum				willow-herb
Epilobium nummulariifolium	i			creeping willow-herb
Erodium moschatum		✓		musky storksbill
Euphorbia lathyris		✓		caper spurge
Euphorbia maculata				spotted spurge
Euphorbia peplus				milkweed
Foeniculum vulgare				fennel
Fumaria muralis				fumitory
Galinsoga parviflora				Kew weed ³
Galium aparine				cleavers
Galium divaricatum				slender bedstraw
Gamochaeta spicata (Gnaphalium coarctatum) ²				cudweed
Gamochaeta subfalcata (Gnaphalium subfalcatum) ²				cudweed
Geranium molle				dove's foot crane's bill
Geranium purpureum				
Helminthotheca (Picris) echioptera				ox-tongue
Hypericum perforatum				St John's wort
Hypochoeris radicata				catsear
Lamium purpureum				red dead nettle
Lavatera arborea				tree mallow
Lavatera cretica				Cretan mallow
Leontodon saxatilis (L. taraxacoides)				hawkbit
Lepidium bonariense				Argentine cress
Linaria arvensis				field linaria
Linaria purpurea				purple linaria
Linum bienne				pale flax
Lobularia maritima		✓		alyssum
Lotus pedunculatus				lotus
Lotus suaveolens				hairy birdsfoot trefoil
Lotus tenuis		✓		
Lythrum hyssopifolia				hyssop loosestrife
Malva parviflora				
Medicago arabica				spotted burr medick

<i>Medicago lupulina</i>				black medick
<i>Medicago nigra</i> (M. polymorpha)				burr medick
<i>Melilotus indicus</i>				King Island melilot
<i>Mentha suaveolens</i>		✓		apple mint
<i>Modiola caroliniana</i>				creeping mallow
<i>Nicotiana sylvestris</i>				
<i>Ornithopus pinnatus</i>				yellow serradella
<i>Orobanche minor</i>				broomrape
<i>Oxalis articulata</i>				sourgrass
<i>Parentucellia viscosa</i>		✓		tarweed
<i>Plantago coronopus</i>		✓		buck's horn plantain
<i>Plantago lanceolata</i>				narrow-leaved plantain
<i>Plantago major</i>				broad-leaved plantain
<i>Polycarpon tetraphyllum</i>				allseed
<i>Polygonum arenastrum</i>				wireweed
<i>Polygonum persicaria</i>		✓		willow weed
<i>Portulaca oleracea</i>				purslane
<i>Prunella vulgaris</i>		✓		selfheal
<i>Pseudognaphalium luteoalbum</i> agg.	i?			Jersey cudweed
<i>Ranunculus repens</i>				creeping buttercup
<i>Raphanus raphanistrum</i>		✓		wild radish
<i>Rumex conglomeratus</i>		✓		clustered dock
<i>Rumex crispus</i>				curled dock
<i>Rumex obtusifolius</i>				broad-leaved dock
<i>Rumex pulcher</i>				fiddle dock
<i>Sagina apetala</i>				pearlwort
<i>Senecio glastifolius</i>		✓		holly-leaved senecio
<i>Senecio skirrhodon</i>				gravel groundsel
<i>Senecio vulgaris</i>				groundsel
<i>Silene gallica</i>				catchfly
<i>Solanum nigrum</i>				black nightshade
<i>Soliva sessilis</i>				Onehunga weed
<i>Sonchus oleraceus</i>				puwha, sowthistle
<i>Stellaria media</i>				chickweed
<i>Taraxacum officinale</i>				dandelion
<i>Trifolium arvense</i>				haresfoot trefoil
<i>Trifolium dubium</i>				suckling clover
<i>Trifolium glomeratum</i>		✓	✓	clustered clover
<i>Trifolium micranthum</i>				lesser suckling clover
<i>Trifolium pratense</i>				red clover
<i>Trifolium repens</i>				white clover
<i>Verbascum thapsus</i>				woolly mullein
<i>Verbena bonariensis</i>				purple-top
<i>Veronica arvensis</i>				field speedwell
<i>Veronica persica</i>				scrambling speedwell
<i>Vicia disperma</i>				small French tare

<i>Vicia sativa</i>				vetch
<i>Viola tricolor</i>				heartsease

Grasses

<i>Agrostis stolonifera</i>				creeping bent
<i>Agrostis castellana?</i>		✓		
<i>Aira caryophyllea</i>		✓		silvery hair grass
<i>Ammophila arenaria</i>		✓		marram
<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>Catapodium rigidum</i>		✓		hard grass
<i>Cortaderia selloana</i>				pampas
<i>Cynodon dactylon</i>				Indian doab
<i>Dactylis glomerata</i>				cocksfoot
<i>Digitaria sp. (D. ischaemum?)</i>				summer grass
<i>Ehrharta erecta</i>		✓		veld grass
<i>Eleusine tristachya</i> ¹				
<i>Elytrigia repens</i>		✓		couch
<i>Eragrostis ciliaris</i>		✓		stink grass
<i>Festuca rubra</i> ssp. <i>commutata</i>				Chewing's fescue
<i>Holcus lanatus</i>				Yorkshire fog
<i>Lagurus ovatus</i>				hare's tail
<i>Lolium multiflorum</i>		✓		Italian ryegrass
<i>Lolium perenne</i>				perennial ryegrass
<i>Panicum dichotomiflorum</i>		✓		smooth witchgrass
<i>Paspalum dilatatum</i>				paspalum
<i>Pennisetum clandestinum</i>				kikuyu grass
<i>Pennisetum setaceum</i>		✓ ¹		fountain grass
<i>Phalaris minor</i>				canary grass
<i>Piptatherium miliaceum</i>		✓		bamboo grass
<i>Poa annua</i>				annual poa
<i>Poa pratensis</i>		✓		Kentucky bluegrass
<i>Polypogon monspeliensis</i>				beard grass
<i>Polypogon viridis</i>				
<i>Schedonorus phoenix</i> (<i>Festuca arundinacea</i>)				tall fescue
<i>Setaria gracilis</i> (<i>S. geniculata</i>)				knot-root bristle-grass
<i>Sporobolus africanus</i>			✓	ratstail
<i>Stenotaphrum secundatum</i>		✓		buffalo grass
<i>Vulpia bromoides</i>				vulpia hairgrass

Sedges

<i>Cyperus congestus</i>		✓		
<i>Cyperus eragrostis</i>				

Rushes

Juncus articulatus				jointed-leaved rush
Juncus bufonius				toad rush

Other monocots

Agapanthus orientalis				agapanthus
Canna indica?				canna lily
Sisyrinchium iridifolium		✓		blue-eyed grass
Tradescantia fluminensis				wandering Jew
Triglochin striatum	i			arrow grass

1. *Eleusine tristachya* is a rare exotic grass in NZ; 'Flora of NZ Vol.5' records it from 'Gisborne, Havelock North, near Napier' only, with 'one early collection in ballast near Wellington'.

². *Gamochaeta* comprises about 50 species (A. L. Cabrera 1961; S. E. Freire and L. Iharlegui 1997) or about 80 species (Cabrera 1977+, part 10), all native to the Americas. Most are known only from South America; some apparently are native to Mexico and the flora area (G. L. Nesom 2004b). Some species are strongly weedy and have extended non-native ranges. Because of inconsistencies in the identification of those species, it has been difficult to evaluate the overall distributions of the widespread species.

The distinctiveness of *Gamochaeta* was emphasized by A. L. Cabrera (1961, and in later floristic treatments of South American species) and by other botanists who have treated it as a separate genus in the last decade.

³ Common name as in e.g. Hutchinson's "British Wild Flowers" ('galinsoga' is the common name given in Flora of NZ Vol.4)

⁴ *Cerinthe* and a no. of other species were recorded (and specimens collected for CHR) in Nov. 2005, near Bullock's yards, an area cleared late 2006 and used for storing large storm-water pipes.