

Wanganui Plant List 4

Vascular Plants of Castlecliff Beach Reserve, Wanganui.

Based on surveys by Wanganui Museum Botanical Group on 2 May 1981, 29 May 1993, 9 October 1993, & by CO 31 October 1997; CO, Jo Priestley, Robyn Ogle, Jocelyn and Ian Bell in October 1998; Jo Priestley 9 Aug. 1999; Wanganui Botanical Group 31 Oct 1999; Graeme La Cock & Simon O'Connor 16 March 2000; CO, GLC,& Keith Beauprais 21 July 2000; CO & Jim Campbell with Wgtn Bot Soc 15 April 2001 & with Wanganui Bot. Group 1 Dec 2001.
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* adventive species (including native species naturalised from planted specimens)
** significant adventive species not recorded in 1994 or earlier but present Oct. 1997.
p planted or possibly planted

List excludes species present as planted specimens which are not naturalising, eg:
pohutukawa, Tasmanian ngaio, Norfolk pine, *Cupressus macrocarpa*, She-oak (*Casuarina cunninghamiana*),, *Leptospermum laevigatum*. Numerous “garden escapes” in WD (dunes west of the urban area) probably started as plantings by some person with a passion for South African plants, in particular (when?). Some have barely naturalised (e.g., *Gladiolus carneus*) but others have spread widely (e.g., *Gazania rigens*, *Lampranthus glaucus*, *Freesia refracta*).

1One patch extending becoming extensive, by layering from 2 planted bushes

Habitats: For the dune area in front of urban area (Castlecliff Recreation Reserve etc.)
FD = foredune; RD = reardune; WW = WW2 pillbox waste area; WS = western swamp; ES = eastern swamp (Bamber St)

For the dunes and cliffs west of urban area i.e. from west of walkway down from Longbeach Drive, WD = western dunes; CF = cliff-face; CR = cliff rubble (talus); SW = swamp & stream between base of cliffs and hind dune.

- [1] One patch of 20 flowering + 20 non-flowering plants, 15.4.01; another patch of 14 flowering + 30 non-flowering plants found 1.12.01.
- [2] Castlecliff is the type locality (Lloyd 1972)
- [3] Seen at ‘ES’ in 1994 or earlier; not seen in dunes (RD) until 1997.

Recreation Reserve etc.)
walkway down from Longbeach Drive
Species

Dune area in front of urban area (Castlecliff Dunes/cliffs west of urban area, from west of

* <i>Ulex europaeus</i> (gorse)	x	x	x	x	x	x	x
* <i>Ulmus x hollandica</i> (suckering elm)				x			
* <i>Vinca major</i> (periwinkle)	x	x	x				

Grasses

* <i>Agrostis stolonifera</i> (creeping bent)				x	x		
* <i>Ammophila arenaria</i> (marram)	x	x	x			x	
* <i>Arundo donax</i>		x	x		x		
* <i>Briza major</i> (quaking grass) `		x				x	
* <i>Bromus diandrus</i> (rip-gut brome)	x	x			x	x	
* <i>B. willdenowii</i> (prairie grass)		x		x	x	x	
<i>Cortaderia fulvida</i> (cliff toetoe)						x	x
* <i>C. selloana</i> (pampas)	x	x	x	x	x	x	x
<i>C. toetoe</i> (swamp toetoe)		x		x		x	x
* <i>Cynodon dactylon</i> (Indian doab)	x	x		x	x		
* <i>Dactylis glomerata</i> (cocksfoot)	x	x	x	x	x		
* <i>Ehrharta erecta</i>	x	x			x		
* <i>Eleusine indica</i> (crow's foot)		x					
* <i>Elytrigia repens</i> (couch)	x						
* <i>Echinochloa crus-galli</i> (barnyard grass)							x
* <i>Festuca rubra</i> ssp. <i>commutata</i> (Chewing's fescue)		x	x				
* <i>Glyceria declinata</i> (floating sweetgrass)			x				x
* <i>Holcus lanatus</i> (Yorkshire fog)	x	x	x	x	x	x	x
<i>Lachnagrostis billardierei</i> (sand bent)	x	x			x		
* <i>Lagurus ovatus</i> (hare's tail)	x	x	x		x		
* <i>Lolium multiflorum</i> (Italian ryegrass)				x			
* <i>Lolium perenne</i> (perennial ryegrass)	x						
* <i>Paspalum distichum</i> (Mercer grass)					x		x
* <i>Pennisetum clandestinum</i> (kikuyu grass)	x	x	x	x	x		x
* <i>Poa annua</i> (annual poa)	x			x			
* <i>Schedonorus phoenix</i> [<i>Festuca arundinacea</i>] (tall fescue)			x	x	x	x	x
<i>Spinifex sericeus</i> (spinifex)	x	x			x		
* <i>Sporobolus africanus</i> (rat's tail)		x					
* <i>Stenotaphrum secundatum</i> (buffalo grass)	x	x		x	x		
* <i>Vulpia bromoides</i> (vulpia hair-grass)	x				x		

Sedges

<i>Bolboschoenus caldwellii</i> (CHR							x
<i>Carex flagellifera?</i> (CHR 526023)						x	
<i>C. sp.</i> (<i>C. geminata</i> agg. 'large sp')						x	x
<i>C. lessoniana</i>	?	x					
<i>C. maorica</i>			x				
<i>C. pumila</i> (sand carex)	x			x	x		
<i>C. secta</i>		x	?				
<i>C. virgata</i>						x	
* <i>Cyperus eragrostis</i>						x	
<i>C. ustulatus</i>			x	x	x	x	x
<i>Desmoschoenus spiralis</i> (pingao)	x	x		x			
<i>Eleocharis acuta</i> (sharp spike-sedge)							x
<i>Isolepis cernua</i>					x		x
<i>I. nodosa</i> (club rush)	x		x	x	x	x	
<i>Machaerina sinclairii</i> (tuhara) (CHR				x			
<i>Schoenoplectus pungens</i> (three-square)			x				x
<i>S. tabernaemontani</i> (kapungawha)			x				
<i>Schoenus nitens</i> (CHR				x	x		

Rushes

Apodasmia (Leptocarpus) similis (oi, jointed rush)				x	x	x	x
* Juncus articulatus (jointed-leaved rush)	x		x	x	x	x	x
* Juncus bufonius (toad rush)		x		x	x	x	x
J. caespiticius				x	x	x	x
J. gregiflorus edgarae			x		x	x	x
J. pallidus			x		x	x	x
* J. tenuis					x		x

Monocot herbs other than grasses, sedges, rushes

* Amaryllis belladonna (belladonna lily)				x			
* Arum italicum (Italian arum)			x				
* Agapanthus orientalis (agapanthus)	x	x			x		
* Asparagus asparagoides (smilax)	x	x		x			
* Allium triquetrum (wild garlic)	x		x			x	
* Babiana secunda? (baboon flower)				x			
* B. stricta (baboon flower)				x			
* Canna sp. (canna lily)			x				
Corybas (=Nematoceras) sp. (C. rivularis agg.) (spider orchid)							x
* Crocosmia x crocosmiiflora (montbretia)	x	x	x		x	x	x
* Freesia refracta (freesia)		x		x	x	x	
* Gladiolus carneus (gladiolus)				x			
* Hedychium sp. (wild ginger)			x				
* Iris foetidissima (stinking iris)							
* Ixia maculata (ixia)			x	x			
* Kniphofia sp. (redhot poker)			x				
* Lachenalia bulbifera [plain leaves; red petals with green tips]			x				
Lemna sp. [L.. minor auct. NZ] (duckweed)		x	x				x
* Leucojeum aestivum (snowflake)			x				
Microtis unifolia (onion-leaved orchid)				x			
* Narcissus tazetta cv 'Soleil d'Or' (jonquil)				x	x		
* N. sp. (unidentified)				x			
Phormium cookianum (wharariki, mountain flax)		p?		p?			?
P. tenax (harakeke, NZ flax)	p?	x	x	x		x	x
* Scilla non-scripta (blue-bell)				x			
* S. peruviana (Cuban lily)	x				x		
* Tradescantia fluminensis (wandering Jew)	x	x		x			
* Tritonia crocata					x		
* T. lineata					x		
Typha orientalis (raupo)		x	x	x	x	x	x
* Watsonia meriana [white to deep pink flowers, petal lobes= tube length; Oct-Nov]							
* W. aletroides [pale pink flowers, narrow tube & short petal lobes; Oct-Nov]							
* W. fourcadei [scarlet flowers, petal lobes almost = tube length; May-Nov]							
* Yucca gloriosa	x	x	x				
* Zantedeschia aethiopica (arum lily)	x	x		x			

Dicot herbs

Acaena anserinifolia (bidibidi)							x
* A. novae-zelandiae (bidibidi)							x
* Acanthus mollis (bear's breeches)	x		x				
* Aeonium haworthii	x						
* A. sp.				x			
* Anagallis arvensis (scarlet pimpernel)	x			x			x
* Angelica pachycarpa (false angelica)					x		

Apium prostratum subsp. australe (sea celery)			x		x	
* Arctotheca calendulacea (Cape daisy)	x	x			x	
* Arctotis stoechadifolia (arctotis)				x	x	x
* Aster subulatus (sea aster)				x	x	x
* Atriplex prostrata (orache)	x					
* Brassica sp. (wild turnip)	x	x				
* Calendula officinalis (marigold)	x					
* Callitricha stagnalis (starwort)			x			x
* Carpobrotus aequilaterus (iceplant)	x					
* C. edulis (iceplant)	x	x	x			
* Centaurium erythraea (centaury)					x	
Centipeda aotearoana						x
* Chenopodium album agg. (fathen)				x		x
* C. pumilio (clammy goosefoot)						x
* Cirsium arvense (Californian thistle)					x	x
* C. vulgare (Scotch thistle)			x			x
* Conium maculatum (hemlock)						x
* Conyza albida (fleabane)	x	x	x	x	x	x
* Coronopus didymus (twin cress)	x	x				
Cotula australis						x
C. coronopifolia (batchelor's button)					x	x
* Cotyledon orbiculata	x	x	x			
Crassula sieberiana					x	
* Crepis capillaris (hawkbit)	x		x			x
* Datura stramonium (thorn apple)				x		
Disphyma australe (NZ iceplant)					x	
* Echium plantagineum (Paterson's curse)	x					
Epilobium billardierianum (willowherb)						x
* E. ciliatum (willowherb)						x
E. komarovianum (willowherb)					x	
E. nerteroides (willowherb)					x	?
* E. parviflorum (willowherb)			x			x
* Euphorbia peplus (milkweed)	x	x	x			
* Foeniculum vulgare (fennel)	x	x	x	x		
* Fumaria muralis (fumitory)	x	x	x	x		
* Galeobdolon luteum (aluminium plant)			x			
* Galium aparine (cleavers)	x		x	x		x
* Gazania linearis (gazania)				x		
* G. rigens (gazania)	x			x		
* Geranium molle (soft dove's foot)	x					
* Helianthus tuberosus (Jerusalem artichoke)			x			
Hydrocotyle heteromeria (waxweed)			x	x		
* Hypochaeris radicata (cat's ear)	x	x	x		x	
* ? Kalanchoe sp.	x					
* Lactuca sp. (wild lettuce)	x					x
Lagenifera pumila					x	
* Lamium purpureum (red deadnettle)	x					
* Lampranthus glaucus (a shrubby ice plant)				x		
* Lathyrus latifolius (everlasting pea)	x	x				
* Leontodon taraxacoides (hawkbit)	x			x	x	x
<u>Leptinella dispersa ssp. rupestris[2]</u>				x		
Limosella lineata						x
Lobelia anceps				x	x	x
* Lobularia maritimum (alyssum)	x	x	x	x	x	x
* Lotus pedunculatus (lotus major)	x		x	x		

* <i>Medicago arabica</i> (spotted burr medick)	x	x					
* <i>M. lupulina</i> (black medick)			x	x	x		x
* <i>M. nigra</i> (bur medick)	x	x			x		
* <i>Melilotus indica</i> (King Island melilot)	x	x			x		
* <i>Mentha x piperita</i> (eau de Cologne mint)			x				
* <i>Mimulus guttatus</i> (monkey musk)	x		x	x			
* <i>Modiola caroliniana</i> (creeping mallow)	x						
* <i>Myosotis laxa</i> (water forget-me-not)				x			
* <i>M. sylvatica</i> (garden forget-me-not)			x	x			
* <i>Opuntia vulgaris</i> (prickly pear)	x			x			
* <i>Orobanche minor</i> (broomrape)	x	x	x		x		x
* <i>Oxalis articulata</i> (sourgrass)	x			x	x		
* <i>O. incarnata</i> (lilac oxalis)					x		
* <i>O. pes-caprae</i> (Bermuda buttercup)	x			x	x		
<i>O. rubens</i>	x	x			x		
* <i>Phytolacca octandra</i> (inkweed)	x			x	x		x
* <i>Picris</i> (= <i>Helminthotheca</i>) <i>echioides</i> (ox-tongue)				x	x	x	x
* <i>Plantago coronopus</i> (buck's horn plantain)				x	x	x	x
* <i>P. lanceolata</i> (narrow-leaved plantain)			x				x
* <i>P. major</i> (broad-leaved plantain)					x		
* <i>Polycarpon tetraphyllum</i> (all-seed)					x		
* <i>Polygonum aviculare</i> (wireweed)				x			
* <i>P. hydropiper</i> (water pepper)			x				
<i>P. salicifolium</i> (NZ willow-weed)			x				x
<i>Pseudognaphalium</i> sp. (<i>P. luteoalbum</i> agg.; juvenile with broad spatulate leaves; adult stems decumbent - on cliffs)					x		
<i>P.</i> sp. (<i>P. luteoalbum</i> agg.; erect with narrow-oblong leaves - in dune hollows)							
<i>Ranunculus acaulis</i> (sand buttercup)					x		x
* <i>R. ficaria</i> ssp. <i>ficariiformis</i> (celadine)	x						
* <i>R. repens</i> (creeping buttercup)	x		x	x			x
* <i>R. sceleratus</i> (celery-leaved buttercup)			x				x
* <i>Raphanus raphanistrum</i> (wild radish)	x						
* <i>Rorippa microphylla</i> (one-rowed watercress)			x	?			x
* <i>Rorippa nasturtium-aquaticum</i> (two-row watercress)							x
* <i>Rumex crispus</i> (curled dock)	x		x	x			x
* <i>R. obtusifolius</i> (broad-leaved dock)						x	x
* <i>Sagina apetala</i> (pearlwort)					x		
* <i>S. procumbens</i> (procumbent pearlwort)	x	x	x	x	x		x
<i>Samolus repens</i> (sea primrose)					x	x	
<i>Sarcocornia quinqueflora</i> (glass wort)					x		
* <i>Sedum praealtum</i>			x	x			
* <i>S. spectabile</i>		x					
<i>Selliera radicans</i> (half-star)					x	x	x
* <i>Senecio elegans</i>	x	x	x		x	x	
<u>* <i>S. glastifolius</i> (pink ragwort[3])</u>	x			x	x	x	x
* <i>S. jacobaea</i> (ragwort)				x			
<i>S. minimus</i> (fireweed)				x			
* <i>Silene gallica</i> (catchfly)	x			x	x		
* <i>Silybum marianum</i> (variegated thistle)	x		x		x	x	
* <i>Sisymbrium officinale</i> (hedge mustard)		x					
* <i>Solanum chenopodioides</i> (velvety nightshade)	x		x	x	x		x
* <i>S. nigrum</i> (black nightshade)				x	x		x
* <i>S. tuberosum</i> (potato)	x			x			
<i>Sonchus kirkii</i>					x	x	

* <i>S. oleraceus</i> (puwha)	X	X		X	X	X
* <i>Stellaria media</i> (chickweed)	X		X			X
* <i>Trifolium arvense</i> (haresfoot trefoil)				X		
* <i>T. glomeratum</i> (clustered clover)				X		
* <i>T. repens</i> (white clover)	X	X	X			X
* <i>Vicia disperma</i> (small French tare)				X		
* <i>V. hirsuta</i> (hairy vetch)	X					
* <i>V. sativa</i> (vetch)	X	X	X	X		
* <i>Viola odorata</i> (violet) [pink flowers]				X		

Ferns

<i>Adiantum cunninghamii</i> (maidenhair fern)				X	X
<i>Asplenium flaccidum</i> (hanging spleenwort)			X		
<i>A. oblongifolium</i>					X
<i>A. polyodon</i>			X		X
<i>Azolla filiculoides</i>					X
<i>Blechnum discolor</i> (crown fern)	X				
<i>B. minus</i> [of NZ authors] (swamp kio kio)	X				x?
<i>B. novae-zelandiae</i> (kio kio)			X	X	
<i>B. triangularifolium</i> (cliff kio kio)			X	X	
<i>B. novae-zelandiae</i> X <i>B. triangularifolium</i>			X		
<i>Cyathea dealbata</i> (ponga)			X	X	
<i>C. medullaris</i> (mamaku)			X	X	
<i>Dicksonia squarrosa</i> (wheki)	X			X	X
<i>Diplazium australe</i>				X	
<i>Histiopteris incisa</i> (water fern)	X				
<i>Hypolepis ambigua</i>					X
<i>Microsorum pustulatum</i> (hound's tongue)	X	X			
<i>Paesia scaberula</i> (ringfern)					X
<i>Polystichum richardii</i> (hard shield fern)			X		
<i>Pteridium esculentum</i> (bracken)	X	X	X		X
<i>Pteris pendula</i> [P. macilenta auct NZ]	X			X	X
<i>P. tremula</i>		X	X		X
<i>Pyrrosia eleagnifolia</i> (leatherleaf fern)			X		
<i>Rumohra adiantiformis</i> [CHR]				X	