

WANGANUI PLANT LIST 55

List of vascular plants and notes on the vegetation of Glenmorven Scenic Reserve, Hunterville.

Department of Conservation, Wanganui

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a = abundant; c = common; o = occasional; u = uncommon; l = local

j = juvenile; s = seedling

* denotes adventive species

		<u>Abundance</u>
<u>Gymnosperms</u>		
Dacrycarpus dacrydioides	(kahikatea)	o
Dacrydium cupressinum	(rimu)	u
Podocarpus totara	(totara)	u
Prumnopitys ferruginea	(matai)	u(s)
 <u>Dicot trees and shrubs</u>		
Alectryon excelsus	(titoki)	o
Aristotelia serrata	(makomako, wineberry)	o
Beilschmiedia tawa	(tawa)	a
*Berberis glaucocarpa	(barberry)	u
Brachyglottis repanda	(rangiora)	u
Carpodetus serratus	(putaputaweta)	o
Coprosma grandifolia	(kanono, raurekau)	o
C. rhamnoides		c
C. rigida		o
C. rotundifolia		o
Elaeocarpus dentatus	(hinau)	c
Geniostoma rupestre var. ligustrifolium	(hangehange)	o
Griselinia lucida	(broadleaf)	u
Hoheria populnea var.	(lacebark)	o
Knightia excelsa	(rewarewa)	o
Kunzea ericoides	(kanuka)	a
Leptospermum scoparium	(manuka)	l
Leucopogon fasciculatus	(mingimingi)	c
Melicytus ramiflorus	(mahoe)	c
Metrosideros robusta ¹		u
Myrsine australis	(mapou)	o
Olearia rani	(heketara)	o
Pennantia corymbosa	(kaikomako)	o
Pittosporum cornifolium		u ²
P. tenuifolium var. tenuifolium	(kohuhu)	o
*Prunus laurocerasus	(cherry laurel)	ls
*P. sp.	(plum)	lj
Pseudopanax crassifolius	(lancewood)	c
*Sambucus nigra	(elderberry)	l
Schefflera digitata	(pate)	u

¹ ² large trees (originally epiphytes) + 3 smaller trees (started terrestrially)

² One shrub, on hinau, south-east ridge on forest margin.

Solanum laciniatum	(poroporo)	u
Streblus heterophyllus	(small-leaved milk tree)	o
*Ulex europaeus	(gorse)	l
Urtica ferox	(ongaonga, tree nettle)	c
<u>Monocot Tree</u>		
Cordyline australis	(cabbage tree)	u(s)
<u>Dicot lianes</u>		
Clematis foetida	(scented clematis)	c
C. forsteri		u
Metrosideros colensoi	(white climbing rata)	o
M. diffusa	(white climbing rata)	c
M. perforata	(white climbing rata)	o
Muehlenbeckia australis	(pohuehue)	o
Parsonsia capsularis	(NZ jasmine)	c
P. heterophylla	(NZ jasmine)	l
Passiflora tetrandra	(NZ passion flower, kohia)	c
Rubus cissoides var. cissoides	(bush lawyer)	u
*R. fruticosus agg.	(blackberry)	u
R. schmidelioides var. schmidelioides	(bush lawyer)	o
<u>Monocot lianes</u>		
Ripogonum scandens	(supplejack)	u
<u>Dicot herbs</u>		
Acaena anserinifolia	(piripiri, bidibidi)	o
*Arctium minus	(burdock)	c
*Bidens frondosa	(beggari's ticks)	u
*Callitriche stagnalis	(starwort)	l
Cardamine sp [C. debilis agg].	(bittercress)	u
*Carduus pycnocephalus(?)	(wing thistle)	l
*Cirsium arvense	(Californian thistle)	lc
*C. vulgare	(Scotch thistle)	o
*Conium maculatum	(hemlock)	lc
*Conyza albida	(fleabane)	u
*Crepis capillaris	(hawkbeard)	lc
Epilobium rotundifolium	(willowherb)	u
*Foeniculum vulgare	(fennel)	u
*Galium aparine	(cleavers)	u
G. propinquum	(NZ bedstraw)	o
Gnaphalium gymnocephalum	(cudweed)	u
G. involucratum		u
Hydrocotyle heteromeria	(pennywort)	l
H. moschata	(hairy pennywort)	u
*Lotus pedunculatus	(lotus major)	lc
*Ludwigia palustris		lc
Mazus novaezeelandiae	(dwarf mazus)	lc
*Mentha pulegium	(pennyroyal)	o
*Mycelis muralis	(wall lettuce)	o
*Myosotis laxa	(water forget-me-not)	lo
Myriophyllum propinquum	(water milfoil)	lc
Nertera depressa		u
N. setulosa		u

N. sp. (unnamed; aff N. dichondraefolia)	u	
Oxalis exilis		u
Parietaria debilis		u
*Plantago lanceolata	(narrow-leaved plantain)	u
P. raoulii		o
*Polygonum hydropiper	(water pepper)	l
*Ranunculus acris	(giant buttercup)	o
R. reflexus	(bush buttercup)	o
*R. repens	(creeping buttercup)	c
*Senecio bipinnatisectus	(fireweed)	o
*S. jacobaea	(ragwort)	o
S. minimus	(fireweed)	u
*Solanum nigrum	(black nightshade)	u
Stellaria decipiens	(NZ chickweed)	o
Urtica incisa	(nettle)	u
 <u>Monocot herbs</u>		
*Agrostis capillaris	(browntop)	la
*Anthoxanthum odoratum	(sweet vernal)	lc
Carex dissita		u
C. flagellifera(?)		u
C. forsteri		u
C. geminata s.s.		o
C. inversa		u
C. maorica		lc
*C. ovalis		u
C. secta s.s.		lc
C. solandri		o
C. virgata		o
*C. vulpinoidea		u
Collospermum hastatum	(perching lily)	o
C. microspermum		u
*Dactylis glomerata	(cock'sfoot)	lc
Earina autumnalis		u
E. mucronata		o
Echinopogon ovatus	(hedgehog grass)	c
Eleocharis acuta	(sharp spike sedge)	l
*Glyceria declinata	(floating sweetgrass)	l
*Holcus lanatus	(Yorkshire fog)	c
*Isolepis sepulchralis		o
J. gregiflorus		u
*J. tenuis		u
*Juncus effusus		o
Luzula picta s.s.	(woodrush)	u
Microlaena avenacea	(floating sweetgrass)	u
M. stipoides	(meadow ricegrass)	c
Potamogeton cheesemanii	(pondweed)	l
*P. crispus	(curled pondweed)	l
Pterostylis banksii	(greenhood orchid)	u
Typha orientalis	(raupo)	l
Uncinia banksii	(hooked sedge)	u
U. uncinata	(hooked sedge)	c

Ferns

Adiantum cunninghamii	(maidenhair fern)	u	
Anarthropteris lanceolata		u	
Asplenium colensoi		c	
A. flaccidum	(hanging spleenwort)	o	
A. gracillimum		c	
A. hookerianum		c	
A. oblongifolium	(shining spleenwort)		u
A. polyodon		o	
A. gracillimum x A. hookerianum			u
A. colensoi x A. gracillimum		o	
A. flaccidum x A. hookerianum		u	
Blechnum chambersii		o	
B. filiforme	(climbing blechnum)	l	
B. fluviatile		o	
B. membranaceum		c	
B. minus	(swamp kiokio)	u	
B. sp. [B. capense agg. "Black Spot"]	(kiokio)	lc	
B. chambersii x B. membranaceum		u	
Botrychium australe	(parsley fern)	u(1)	
Cyathea dealbata	(ponga, silver fern)	c	
C. medullaris	(mamaku)	u	
C. smithii	(soft tree fern)	l	
Dicksonia fibrosa	(wheki-ponga)	u	
D. squarrosa	(wheki)	lc	
Histiopteris incisa	water fern	u	
Hymenophyllum demissum	(filmy fern)	o	
H. flabellatum	(filmy fern)	u	
H. sanguinolentum	(filmy fern)	u	
H. scabrum	(filmy fern)	u	
Hypolepis ambigua		o	
H. rufobarbata			u
Lastreopsis glabella		o	
L. hispida		o	
Leptopteris hymenophylloides		u	
Paesia scaberula	(ringfern)		u
Pellaea rotundifolia	(button fern)	c	
Phymatosorus pustulatus	(hounds tongue)	o	
P. scandens		u	
Pneumatopteris pennigera			o
Polystichum richardii		c	
P. silvaticum		o	
Pteridium esculentum	(bracken)	lc	
Pteris pendula (P. macilenta of NZ authors)			u
P. tremula		u	
Pyrrrosia eleagnifolia		c	
Trichomanes venosum	(bristle fern)	lc	
<u>Fern Allies</u>			
Lycopodium varium	(hanging clubmoss)	u	
Tmesipteris elongata		o	

Total = 131 indigenous species

Vegetation

1. Tawa/(mahoe) - ponga: forest, with isolated specimens of hinau, rimu, kahikatea, rewarewa; on hillslopes.
2. Kanuka/mingimingi: forest, with isolated emergent hinau, northern rata, rewarewa; on ridges and hillslopes.
3. Cocksfoot - Yorkshire fog - browntop and other grasses: ungrazed pasture, with scattered ragwort, fireweeds, thistles; on ridges and hillslopes.
4. Carex geminata - C. virgata - C. maorica - C. secta: sedgeland, with pasture grasses; on stream/lake edges.
5. Water milfoil - (pondweed) - (Ludwigia): herbfield on exposed mud (lake bed).

The reserve is notable for the abundant regeneration just a year after stock were excluded by completing the fencing. Seedlings of many trees and shrubs were seen, including numbers of tawa, hinau, kahikatea, titoki and miro (no adults were seen of miro). The ground cover is rich in ferns and herbs, especially under the tall kanuka; Asplenium colensoi, A. hookerianum, A. gracillimum and hybrid Asplenium are locally very common; Mazus novaezeelandiae occurs over hundreds of square metres.

The healthy state of the five rata trees might be preserved by banding the trees and/or poisoning possums. Pittosporum cornifolium is seemingly a rare plant in Wanganui Conservancy, perhaps through possum browsing, but one shrub was found in this reserve. No fruit were seen on it, suggesting that it may be a male.

Elderberry is the only weed with the potential to spread to the detriment of the native vegetation. All plants seen were along the forest margin near the fence on the eastern boundary.