

Wanganui Plant List 47

Department of Conservation, Wanganui

Vascular plants and vegetation descriptions of three forest remnants on Adkins' property, opposite Greystoke Reserve, north side of Jefferson Line, Marton.

Grid Refs (NZMS 260/Sheet S22):

Remnant 1: 175306 240-260 m a.s.l.

Remnant 2: 175315 280m a.s.l.

Remnant 3: 173303 240 m a.s.l.

Compiled by Colin Ogle 25.9.92, Wanganui Botanical Group 28.2.93

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

ad = adult; j = juvenile; s = seedling

* denotes adventive species, including indigenous species not natural to this area (planted specimens are not listed)

Abundance in Forest Remnants

1 2 3

Gymnosperms

Dacrycarpus dacrydioides	(kahikatea)	o	c	c
Dacrydium cupressinum	(rimu)	u		
Podocarpus totara	(totara)	u	u	
Prumnopitys taxifolia	(matai)		u(1.)	

Dicot trees and shrubs

Alectryon excelsus	(titoki)	a	c	c
Aristolelia serrata	(makomako, wineberry)		u (1j)	
Beilschmiedia tawa	(tawa)	lc	c	o
*Berberis glaucocarpa	(barberry)		u	
Carpodetus serratus	(putaputaweta)		2ad, s'o'	
Coprosma areolata		a	c	a
C. grandifolia	(kanono, raurekau)	u		u
C. rhamnoides		u		
C. rigida		o	o	u
C. robusta	(karamu)	u(1)		
Corynocarpus laevigatus	(karaka)	u (1j)		
*Crataegus monogyna	(hawthorn)		o	
Elaeocarpus dentatus	(hinau)	o	u	
Fuchsia excorticata	(tree fuchsia, kotukutuku)		u(1j)	
Griselinia lucida	(broadleaf)	o	u	
Hedycarya arborea	(pigeonwood)	o (s'c')	u	u(s'c')
Hoheria populnea var.	(lacebark)	o(j)		o(j)
*Hypericum androsaemum	(tutsan)	u(1.)		
Knightia excelsa	(rewarewa)	u	u	u
Kunzea ericoides	(kanuka)	u	u(2j)	
Laurelia novae-zelandiae	(pukatea)		u(2)	u(1.)
Lophomyrtus bullata	(ramarama)	lc	o	u
Macropiper excelsum	(kawakawa)	c	u(j)	o

Abundance in Forest Remnants

		<u>1</u>	<u>2</u>	<u>3</u>
Melicytus ramiflorus	(mahoe)	a	c	a
Myoporum laetum	(ngaio)	u		
Myrsine australis	(mapou)	o	o	o
M. salicina	(toro)	u (1 ad. 1 j.)		
Nestegis lanceolata	(white maire)	u(1.)		
Pennantia corymbosa	(kaikomako)	u (1)	o	u
*Pittosporum eugenioides	(lemonwood, tarata)	o ¹		o(j)
P. tenuifolium var. tenuifolium	(kohuhu)	u		
Pseudopanax crassifolius	(lancewood)	u (3 ad, j.'o')	u	u(j)
P. crassifolius x P. lessonii		u(j)		
*Sambucus nigra	(elderberry)	a	l	o(j)
Solanum laciniatum	(poroporo)	o	u	
Streblus heterophyllus	(small-leaved milk tree)		o	u
* Vitex lucens	(puriri)	o ²		

Monocot Tree

Cordyline australis	(cabbage tree)	o	u	u
---------------------	----------------	---	---	---

Dicot lianes

Clematis foetida	(scented clematis)		1 ad; s'o'	
C. paniculata		u		
Metrosideros colensoi	(white climbing rata)	u		
M. diffusa	(white climbing rata)	u	u	
M. perforata	(white climbing rata)	o	u	
Muehlenbeckia australis	(pohuehue)	c	o	o
Parsonsia heterophylla	(NZ jasmine)	o (s 'c')	u	u(s 'o')
*Passiflora mollissima	(banana passionfruit)	u		
P. tetrandra	(NZ passion flower, kohia)		u(j)	
Rubus cissoides var. cissoides	(bush lawyer)	u(1)		
*R. fruticosus agg.	(blackberry)	u		
R. schmidelioides var. schmidelioides	(bush lawyer)	u	o	u

Monocot lianes

*Bomarea multiflora		u		
Ripogonum scandens	(supplejack)	o	u	u

Dicot herbs

*Callitriche stagnalis			o	
Cardamine sp [C. debilis agg. 'Narrow Petal']	(bittercress)	c	c	
Epilobium nummulariifolium	(willowherb)		u	
E. pedunculare s.s.	(willowherb)		u	
*Galium aparine	(cleavers)	o		

¹ Adults as planted specimens, now self-establishing (many seedlings)

² About 20 seedlings and saplings, to 3 m tall.

Abundance in Forest Remnants

		<u>1</u>	<u>2</u>	<u>3</u>
G. propinquum	(NZ bedstraw)		u	
Gnaphalium gymnocephalum	(cudweed)		o	
Hypericum japonicum	(swamp hypericum)			lo ³
Hydrocotyle elongata	(pennywort)	a	c	
H. moschata	(hairy pennywort)		u	
*Mentha pulegium	(pennyroyal)		c	
*Mycelis muralis	(wall lettuce)	o		
Oxalis exilis		u	o	
*Polygonum hydropiper	(water pepper)		c	
Pratia angulata agg.			u	
*Ranunculus acris	(giant buttercup)	u		
R. reflexus	(bush buttercup)		o	
*R. repens	(creeping buttercup)	o		
*Senecio bipinnatisectus	(fireweed)	u		
Stellaria decipiens	(NZ chickweed)		u	
* Urtica urens	(nettle)		l	

Monocot herbs

*Bromus hordeaceus	(soft brome)		o	
Carex dissita				u(1)
Colospermum hastatum	(perching lily)	o	u	u
*Dactylis glomerata	(cock'sfoot)	a		l
Dendrobium cunninghamii	(a perching orchid)		u(1.)	
Drymoanthus adversus	(a perching orchid)		u	
Earina mucronata		u	u	u
Echinopogon ovatus	(hedgehog grass)		o	
*Holcus lanatus	(Yorkshire fog)	lc	o	lc
*Hordeum murinum	(barley grass)		lc	
*Isolepis sepulchralis			lo	
*I. setacea				lo ⁴
Juncus gregiflorus		u		
J. pallidus				u
Microlaena stipoides	(meadow ricegrass)		l	
Microtis unifolia	(onion-leaved orchid)		u	

Ferns

Asplenium colensoi		u	u	
A. flaccidum	(hanging spleenwort)	o	o	
A. gracillimum		o		o
A. hookerianum		u	u	
A. oblongifolium	(shining spleenwort)			u
A. gracillimum x A. hookerianum				u
A. gracillimum x A. flaccidum				u
A. polyodon		u	u	u
Blechnum filiforme	(climbing blechnum)	lc	o	o
B. fluviatile		u	u	

³ In boggy pasture just outside fence

⁴ In boggy pasture just outside fence

Abundance in Forest Remnants

		1	2	3
B. membranaceum		u	lo	
B. sp. [B. capense agg.]			uj	
Cyathea cunninghamii	gully tree fern	u(lj)		
C. dealbata	(ponga, silver fern)		u(1)	uj
Dicksonia fibrosa	(wheki-ponga)	u(1)		
D. squarrosa	(wheki)	u (1)		
Diplazium australe				u(1.)
Doodia sp.			u(4)	
Histiopteris incisa	water fern	o	u	
Hypolepis ambigua		c	o	o
H. rufobarbata(?)			u(1.)	
Lastreopsis glabella		c	o	c
L. microsora		lc		
Paesia scaberula	(ringfern)		u	
Pellaea rotundifolia	(button fern)	o	o	o
Phymatosorus pustulatus	(hounds tongue)	o	u	u
P. scandens		u	u	
Pneumatopteris pennigera			u	
Polystichum richardii		c	u	o?
Pteris tremula		o	u(j)	
Pyrrosia eleagnifolia		o	o	o

Total = indigenous species

Vegetation: Remnant 1: Fenced area of titoki forest with locally common tawa; along upper edge of forest scattered trees of kanuka, totara, toro, rimu, rewarewa, ngaio, lemonwood (originally planted); more scattered trees of kahikatea, hinau, cabbage trees. One local patch of ramarama "trees" as canopy plants. Understorey is chiefly kawakawa, Coprosma areolata and elderberry, with more scattered Coprosma rigida, pigeonwood, mapou. There is a curious occurrence of puriri from 0.1 to 3 m tall, mostly in lower south-east corner of the forest; no parent plant is known in the area (it might be noted that there are two puriri seedlings <1 m tall in Greystoke Reserve, nearby).

Planted specimens of native trees of nursery origin are mainly along the upper edge; they include lemonwood (the source of many seedlings into the forest), puriri, matai, black and white maire, totara, karo, kowhai (Sophora microphylla and S. tetraptera); transplanted seedlings from the forest include titoki, kohuhu, mapou, kahikatea. Many of these plantings were done in 1992; the other (flowering or fruiting) plants include both kowhai species, karo, lemonwood.

Weeds needing urgent control are elderberry, banana passionfruit, and Bomarea. Also desirable would be the elimination of poplars and hawthorn (neither species was seen to be spreading yet from the original planted specimens), and blackberry.

Remnant 2: Unfenced area of scattered trees and some denser groves; locally dominant tawa, or titoki, or kahikatea, with a wide range of other trees and shrubs, many as single specimens or in very low numbers. Some of these are not known in the two fenced remnants e.g. putaputaweta, matai, small-leaved milktree, and seedlings of tree fuchsia, wineberry, and NZ passionflower. Fencing of this area would enhance regeneration in places, but many areas of rank grass would also result, and weeds such as elderberry would increase (if the area is fenced, poisoning of existing elderberry trees should be done).

Remnant 3: Fenced grove of kahikatea and tawa, with some titoki and mahoe. The range of native plants is small compared with remnants 1 and 2, the result of a relatively uniform habitat and small area. However, the area is relatively weed free, is compact and intact. Elderberry should be targeted for control. The stream is a feature not present in remnants 1 and 2.