Wanganui Plant List No. 149

Forest remnant beside tributary of Kai Iwi Stream, off Smith Road, southeast of Kai Iwi, Wanganui

C C Ogle and members of Wanganui Botanical Group, 29 Sept 2001
List updated 16 Jan 2002 (entered on DoC system 24 June 2002)

The forest appears to follow about 3 km of valleys (2 forks of one valley system); our survey was of less than 0.5 km, at about grid ref R22/756473. Stock have access to the forest throughout. Titoki and mahoe are the dominant trees, with *Coprosma areolata* and kawakawa as common understorey shrubs; climbing blechnum is the most common ground cover. The narrow valley floor has some swampy areas with *Carex virgata* common where there is little overhead forest.

Most of the species recorded are common in forest remnants of the district, except for two species, a fern and a sedge. The maidenhair fern, ***Adiantum viridescens*** and a tufted grass-like sedge ***Carex spinirostris***, are quite rare in the district. *A. viridescens* has one other record from near Wanganui, near Lake Wiritoa, then the next-nearest are from the Jerusalem-Pipiriki area, the Ruahine Range and North Taranaki. *C. spinirostris* has been found twice near Wanganui (St John's Hill Green Belt, and at Brunswick) then Taranaki and Palmerston North, Manawatu Gorge and Ruahine Range. Both species grow on dry banks in forest.

c = common
o = occasional
u = uncommon
lc = locally common (many plants, but in small no. of places)
j only juveniles seen

Gymnosperm

Dacrycarpus dacrydioides (kahikatea)   o

Dicot trees and shrubs

	Alectryon excelsus (titoki)	c
	Beilschmiedia tawa (tawa)	lc
*	Berberis glaucocarpa (barberry)	u
	Brachyglottis repanda (rangiora)	u
	Coprosma areolata	c
	C. robusta (karamu)	u
	Corynocarpus laevigatus (karaka)	lc[1]
	Elaeocarpus dentatus (hinau)	u(1)
	Geniostoma rupestre (hangehange)	lc
	Griselinea lucida (broadleaf)	u(1)
	Hedycarya arborea (pigeonwood)	o
	Hoheria populnea var. (lacebark)	u
	Knightia excelsa (rewarewa)	u(1)[2]
	Kunzea ericoides (kanuka)	u
	Laurelia novae-zelandiae (pukatea)	u
	Lophomyrtus bullata (ramarama)	o
	Macropiper excelsum (kawakawa)	c

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[1] Not seen in the valley forest, but dominant in patch of forest on near-flat area near house
[2] 1 in paddock, broken and probably near-dead

	Melicytus ramiflorus (mahoe	c
	Myoporum laetum (ngaio)	u
	Pennantia corymbosa (kaikomako)	o
	Pseudopanax crassifolius (lancewood)	o[3]
	Schefflera digitata (pate)	u
	Streblus heterophyllus (turepo, small-leaved milktree)	u
*	Ulex europaeus (gorse)	o

Dicot lianes

Clematis paniculata	u(1)
Metrosideros colensoi	o
M. diffusa	o
M. fulgens	o
M. perforata	u
Muehlenbeckia australis (pohuehue)	o
Parsonsia heterophylla (NZ jasmine)	o

Monocot trees

Cordyline australis (cabbage tree)	o
Rhopalostylis sapida (nikau)	o[4]

Monocot liane

Ripogonum scandens (supplejack)	o

Sedges

	Carex solandri (?)	o
	C. spinirostris	u
	C. virgata	lc
	C. sp. (unidentified, cf. C. geminata or C. lessoniana)	o
	Cyperus ustulatus	u
*	Isolepis sepulchralis	lc

Monocot herbs, other than sedges

Collospermum hastatum	c
Earina autumnalis (autumn orchid)	o
E. mucronata	c
Microlaena stipoides (meadow ricegrass)	c

Ferns

Adiantum cunninghamii (maidenhair fern)	c
A. viridescens	lc
Asplenium flaccidum (hanging spleenwort)	o
A. gracillimum	u
A. oblongifolium (shining spleenwort)	u

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[3] 1 adult seen, mostly juveniles
[4] Mostly juveniles

A. polyodon		u
Blechnum chambersii		u
B. filiforme (climbing blechnum)		c
B. membranaceum		u
Cyathea dealbata (ponga)		o
C. medullaris (mamaku)		o
Dicksonia fibrosa (wheki-ponga)		u(1)
D. squarrosa (wheki)		u
Hypolepis ambigua		lc
Lastreopsis glabella		o
Microsorum pustulatum (hound's tongue)		u
M. scandens		o
Pellaea rotundifolia s.s. (button fern)		u
Pneumatosorus pennigera		lc
Polystichum richardii		u
Pteris pendula (P. macilenta of NZ authors)		u
P. tremula		o
Pyrrosia eleagnifolia		o

Dicot herbs

Cardamine sp. (C. debilis agg. C. "Narrow Petal" of Pritchard 1957) (bittercress)		o
* Cedronella canariensis [balm of Gilead]		lc
Hydrocotyle heteromeria		lc
Oxalis exilis		o