

Wanganui Plant list 154 Rangitawa Stream Bush
Wanganui Plant List No 157

Vascular Plants of Porewa Stream Bush, SH1 between Marton and Rata, Manawatu Plains Ecological Region

Map reference: NZMS260 S23/ 210287; 160-190 m a.s.l.

C Ogle, J Howard, and 9 others of Wanganui Botanical Group (3 May 2003)

The list covers secondary forest both sides of the road (what was SH1 until about 1990) at the base of 'Polgreen Hill', straddling the Porewa Stream (grid reference is for the road bridge). The forest is on gravel river terraces, fenced but odd sheep present; palatable shrubs seen mainly on terrace scarps and cliffs, especially west of the bridge. Forest canopy dominated by totara, titoki and tawa, in different sites.

"The only regionally uncommon species seen was bamboo ricegrass (*Microlaena polynoda*); both *Libertia ixioides* and *L. grandifolia* have rather patchy or local distributions in the region (the plants seen in Porewa Stream Bush could not be identified positively as they had been grazed by sheep); *Carex lambertiana* has a patchy distribution regionally too. Urgent control is needed of old man's beard (seen locally in the 'house block' and the plants we saw were pulled; they were mostly near a large, already cut plant); elderberry, some as large trees, is a serious threat medium-term; and the abundant Jerusalem cherry, especially in the 'house block', should be controlled. Other weeds that might be controlled to benefit the forest are barberry and blackberry. Species listed as 'planted' were on the road edge by the bridge, where previous vehicle access has been fenced off.

* denotes adventive species.

Plant abundances: a = abundant; c = common; o = occasional; u = uncommon; l = local (found in few places, but can be common or abundant in those places, hence la = locally abundant, etc.); j = only juvenile plants seen; 'j' with abundance indicates where juvenile plants were much more common than adult (see, e.g., matai).

Formal name	Common name(s)	Abundance
<u>Gymnosperm Trees</u>		
<i>Dacrycarpus dacrydioides</i>	kahikatea	o
<i>Dacrydium cupressinum</i>	rimu	u(1.)
<i>Podocarpus totara</i> s.s.	totara	c
<i>Prumnopitys taxifolia</i>	matai	o (j/c)
<u>Dicot Trees and Shrubs</u>		
* <i>Acer pseudoplatanus</i>	sycamore	u(1,j)
<i>Alectryon excelsus</i>	titoki	a
<i>Beilschmiedia tawa</i>	tawa	c
* <i>Berberis glaucocarpa</i>	barberry	o
<i>Brachyglottis repanda</i> s.s.	rangiora	lc
<i>Coprosma areolata</i>		o
<i>Coprosma grandifolia</i>	kanono, raurekau	u
<i>Coprosma lucida</i>	shining karamu	l
<i>Coprosma rhamnoides</i>		a
<i>Coprosma rigida</i>		o
<i>Coprosma robusta</i>	karamu	u
<i>Corynocarpus laevigatus</i>	karaka	planted
* <i>Crataegus monogyna</i>	hawthorn	o
* <i>Cytisus scoparius</i>	European broom	u
<i>Elaeocarpus dentatus</i>	hinau	o

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Geniostoma rupestre ssp. ligustrifolium	hangehange	o
Hebe stricta	koromiko	u (+ planted)
Hedycarya arborea	pigeonwood	u
Hoheria populnea var. (H. sexstylosa)	lacebark, houhere	u(j/o)
* Hypericum androsaemum	tutsan	u
Knightia excelsa	rewarewa	o(j/lc)
Kunzea ericoides var.	kanuka	lc
Leucopogon fasciculata	mingimingi	l
Lophomyrtus obcordata	rohutu	uj
Lophomyrtus bullata X L. obcordata		1.(j/o)
Macropiper excelsum	kawakawa	c
Melicope simplex	poataniwha	c
Melicytus micranthus	small-leaved mahoe	o
Melicytus ramiflorus ssp. ramiflorus	mahoe	c
Myoporum insulare	Tasmanian ngaio	planted
Myrsine australis	mapou	c
Myrsine salicina	toro	l.
Nestegis cunninghamii	black maire	u
Nestegis lanceolata	white maire	u
Pennantia corymbosa	kaikomako	o
Pittosporum eugenoides	tarata, lemonwood	u
Pittosporum tenuifolium ssp. tenuifolium	kohuhu	o
* Prunus sp.	plum?	2
Pseudopanax arboreus	five-finger	l.
Pseudopanax crassifolius	lancewood, horoeka	u(j/o)
* Salix fragilis	crack willow	l
* Sambucus nigra	elderberry	o
Schefflera digitata	pate	u
*Solanum pseudocapsicum	Jerusalem cherry	la
Sophora godleyi	kowhai	u
Streblus heterophyllus	small-leaved milktree	o
* Ulex europaeus	gorse	lc
Urtica ferox	ongaonga, shrub nettle	l
<u>Monocot Trees and Shrubs</u>		
Cordyline australis	cabbage tree, ti kouka	u
<u>Dicot Lianes</u>		
Calystegia tuguriorum		u
Clematis foetida		l
Clematis forsteri		l
* Clematis vitalba	old man's beard	lc
Metrosideros colensoi	white-flowered rata, aka	u
Metrosideros diffusa	white-flowered rata, aka	u
Muehlenbeckia australis	pohuehue	o
Parsonsia heterophylla	NZ jasmine	o(j/c)
Passiflora tetrandra	native passionflower, kohia	c
*Rubus fruticosus agg.	blackberry	lc
Rubus cissoides	lawyer	l.
Rubus schmidelioides var. schmidelioides	lawyer	2

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<u>Ferns and fern allies</u>		
* Adiantum radianum	maidenhair fern	u
Adiantum cunninghamii	maidenhair fern	u
Asplenium bulbiferum s.s.	Hen and chickens fern	u.
Asplenium colensoi (or hybrid?)		l.
Asplenium flabellifolium agg.	necklace fern	l
Asplenium flaccidum	hanging spleenwort	u
Asplenium gracillimum		c
Asplenium hookerianum s.s.		a
Asplenium oblongifolium	shining spleenwort	o
Asplenium polyodon	sickle spleenwort	u
Asplenium flaccidum X A. gracillimum		l.
Blechnum chambersii		u
Blechnum filiforme	Climbing blechnum	l
Blechnum novae-zelandiae	kiokio	u
Cyathea dealbata	ponga, silver fern	o
Cyathea medullaris	mamaku	l
Dicksonia fibrosa	wheki-ponga	l.
Dicksonia squarrosa	wheki	u
Hymenophyllum demissum	filmy fern	u
Hypolepis ambigua		u
Lastreopsis glabella		u
Microsorium pustulatum	hound's tongue, kowaowao	o
Microsorium scandens		u
Pellaea rotundifolia	button fern, tarawera	c
Polystichum richardii	hard shield fern	o
Pteridium esculentum	bracken	lc
Pteris tremula	shaking brake, turawera	l
Pyrrosia eleagnifolia	leather-leaf fern	o
*Selaginella kraussiana	African clubmoss	l
<u>Orchids</u>		
Earina mucronata	perching orchid	u
<u>Grasses</u>		
* Dactylis glomerata	crested dogtail	o
* Ehrharta erecta	veld grass	la
Microlaena polynoda	bamboo rice-grass	u
Poa anceps		l
<u>Sedges</u>		
Carex dissita		u
Carex lambertiana		u
Uncinia banksii	hook grass	l
Uncinia scabra	hook grass	u
Uncinia uncinata	hook grass	u
<u>Rushes</u>		
* Juncus tenuis		u
Luzula picta s.s.	woodrush	u

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<u>Monocot Herbs (other than Orchids, Grasses, Sedges, Rushes)</u>		
<i>Astelia fragrans</i>		u
<i>Collospermum hastatum</i>	perching lily	u
<i>Lemna</i> sp. (L. minor of NZ authors)	duckweed	la
<i>Libertia</i> sp. (L. <i>ixioides</i> /L. <i>grandifolia</i>)	native iris	u ¹
<i>Phormium cookianum</i>	mountain flax, wharariki	planted
<u>Composite Herbs</u>		
* <i>Arctium minus</i>	burdock	o
* <i>Cirsium vulgare</i>	Scotch thistle	o
<i>Euchiton gymnocephalus</i>	NZ cudweed	l
* <i>Mycelis muralis</i>	wall lettuce	o
* <i>Senecio bipinnatisectus</i>	fireweed	u
* <i>Senecio jacobaea</i>	ragwort	u
<u>Dicot Herbs (Other than Composites)</u>		
<i>Acaena anserinifolia</i>	bidibid; piripiri	u
* <i>Conium maculatum</i>	hemlock	l
* <i>Digitalis purpurea</i>	foxglove	o
<i>Haloragis erecta</i>		l.
<i>Hydrocotyle elongata</i>		l
<i>Hydrocotyle heteromeria</i>	wax weed	u
* <i>Lotus pedunculatus</i>	lotus major	u
* <i>Phytolacca octandra</i>	inkweed	o
* <i>Polygonum hydropiper</i>	water pepper	u
* <i>Prunella vulgaris</i>	selfheal	u
* <i>Ranunculus repens</i>	creeping buttercup	o
* <i>Solanum chenopodioides</i>	velvety nightshade	o
* <i>Solanum nigrum</i>	black nightshade	lc
* <i>Stachys sylvatica</i>	hedge woundwort	u
TOTAL number of indigenous species =		
TOTAL number of exotic species =		

¹ patch of about 6 plants, several with large capsules of *L. ixioides*