

# Indigenous vascular plants of four forest remnants on dunes in Manawatu (Lake Alice, Pakipaki) and Northland (Tapu, Pretty Bush)

## Whanganui Plant List 129

Colin Ogle, 16 Virginia Heights, Whanganui, 4501.

This list is extended from that in Ogle (1997), including the addition of Whanganui plant list 95 (L Alice dune forest).

*Last updated 20 April 2018 (names updated)*

- (a) Pakipaki, near Hokio, Levin, Horowhenua district  
(Druce 1972 [1991 revision]; Cooksley and Townsend 1992; Rapson et al. 1992; pers. obs. 1991, 1996, 11 July 2010); P Enright pers, comm. Jan 01 (his new records marked with ^)
- (b) Lake Alice near Bulls, Rangitikei district (Ogle, Beggs & Barkla 1996)
- (c) Pretty Bush, Pouto Peninsula, north head of Kaipara Harbour, Northland (Forester and Beechman 1987; Wright 1991; pers. obs. 1994)
- (d) Tapu Bush, Pouto Peninsula, Kaipara, Northland (Miller 1992; Reid 1977; Wright and Young 1991)

- X = recorded as present  
(X) = previously present (now extinct on site)  
O = not within recorded geographic range for this species  
\* = species not natural to this district (mostly adventive to NZ)

		Pakipaki	Lake Alice	Pretty	Tapu
<b>GYMNOSPERMS</b>					
<i>Dacrycarpus dacrydioides</i>	kahikatea	X	X		
<i>Podocarpus totara</i>	totara	X	X	X	X
<i>Prumnopitys ferruginea</i>	miro	X			
<i>Prumnopitys taxifolia</i>	matai	X			
<b>MONOCOT TREES</b>					
<i>Cordyline australis</i>	ti kouka, cabbage tree	X	X	X	X
<i>Rhopalostylis sapida</i>	nikau				X
<b>DICOT TREES AND SHRUBS</b>					
<i>Alectryon excelsus</i>	titoki	X	X	X	X
<i>Beilschmiedia tarairi</i>	taraire	O	O		X
<i>Beilschmiedia tawa</i>	tawa				X
<i>Brachyglottis repanda</i>	rangiora	(X)			X
<i>Carmichaelia australis</i>	NZ broom	X	X	X	X
<i>Carpodetus serratus</i>	putaputaweta				X
<i>Coprosma acerosa</i>	sand coprosma	X		X	X
<i>Coprosma areolata</i>		X	X		X
<i>Coprosma crassifolia</i>		X	X	X	X
<i>Coprosma grandifolia</i>				X	X
<i>Coprosma lucida</i>	kanono, raurekau			X	X
<i>Coprosma macrocarpa</i>	shining karamu			X	X
<i>Coprosma macrocarpa</i>	coastal karamu	O	O	X	X
<i>Coprosma propinqua</i>		X			
<i>Coprosma parviflora</i> s.s.		O			X
<i>Coprosma rhamnoides</i>		X	X	X	X
<i>Coprosma rigida</i>		X		?	X
<i>Coprosma robusta</i>	karamu			X	X
<i>Coprosma spathulata</i>					X
<i>Coprosma macrocarpa</i> x <i>C. robusta</i>				X	
<i>Coprosma propinqua</i> x <i>C. robusta</i>		X^			
<i>Coriaria arborea</i>	tutu	X			
<i>Corokia cotoneaster</i>	korokio	X	X	X	X
<i>Corynocarpus laevigatus</i>	karaka		X	X	X
<i>Cyathodes (Leptecophylla) juniperina</i>	prickly mingimingi	X		X	X
		<b>Pakipaki</b>	<b>L Alice</b>	<b>Pretty</b>	<b>Tapu</b>
* <i>Cytisus scoparius</i>	broom	X			
<i>Discaria toumatou</i>	matagouri	(X)	X	O	O
<i>Dodonaea viscosa</i>	akeake	X	X	X	X

<i>Dysoxylum spectabile</i>	kohekohe			X	X
<i>Elaeocarpus dentatus</i>	hinau	X <sup>4</sup>			X
<i>Gaultheria macrostigma</i>	snowberry	(X)		O	O
<i>Geniostoma ligustrifolium</i>	hangehange	X	X	X	X
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko	(X)		X	X
<i>Hebe</i> sp. ( <i>H. diosmifolia</i> agg.)		O	O	X	X
<i>Hedycarya arborea</i>	pigeonwood	X			
<i>Ileostylus micranthus</i>	mistletoe	(X)	X		
<i>Knighitia excelsa</i>	rewarewa	X	X	X	X
<i>Korthalsella salicornioides</i>	dwarf mistletoe	(X)			
<i>Kunzea ericoides</i> s.l.	kanuka	X	X	X	X
<i>Laurelia novae-zelandiae</i>	pukatea			X	
<i>Leptospermum scoparium</i>	manuka	X		X	X
<i>Leucopogon fasciculatus</i>	mingimingi	X	X	X	X
<i>Leucopogon fraseri</i>	patotara	(X)			
<i>Litsea calicaris</i>	mangeao	O	O	X	
<i>Lophomyrtus bullata</i>	ramarama			X	
<i>Lophomyrtus obcordata</i>	rohutu	X	X	X	X
<i>Melicope ternata</i>	wharangi			X	
<i>Melicytus micranthus</i>				X	
<i>Melicytus ramiflorus</i>	mahoe	X	X	X	X
<i>Metrosideros robusta</i>	northern rata				X
<i>Myoporum laetum</i>	ngaio	X	X		
<i>Myrsine australis</i>	mapou	X	X	X	X
<i>Myrsine divaricata</i>	weeping mapou				X
<i>Nestegis lanceolata</i>	white maire	X <sup>5</sup>		X	X
<i>Nestegis montana</i>	narrow-leaved maire	X		X	X
<i>Olearia albida</i>		O	O	X	X
<i>Olearia furfuracea</i>	akepiro	O	O	X	X
<i>Olearia paniculata</i>	akiraho	X			
<i>Olearia rani</i>	heketara				X
<i>Olearia solandri</i>			X		
<i>Ozothamnus (Cassinia) leptophyllus</i> (incl. <i>C. retorta</i> )	tauhinu	X		X	X
<i>Pennantia corymbosa</i>	kaikomako	X	X		
<i>Pimelea tomentosa</i>		(X)			
<i>Piper excelsum</i>	kawakawa	X	X	X	X
<i>Pittosporum tenuifolium</i> s.l.	kohuhu	X	X	X	X
<i>Pomaderris ericifolia</i>		(X)			X
<i>Pseudopanax arboreus</i>	five finger	(X)		X	X
<i>Pseudopanax crassifolius</i>	lancewood	X	X	X	X
<i>Pseudopanax ferox</i>	fierce lancewood			X	X
<i>Pseudopanax lessonii</i>	houpara	*O <sup>6</sup>	O	X	
<i>Pseudopanax crassifolius</i> x <i>P. lessonii</i>				X	
<i>Pseudopanax ferox</i> x <i>P. lessonii</i>				X	
<i>Schefflera digitata</i>	pate			X	
<i>Solanum laciniatum</i>	poroporo		X		
<i>Sophora godleyi</i>	kowhai		X		
<i>Sophora microphylla</i>	kowhai	X		<sup>7</sup> X?	X?
<i>Streblus heterophyllus</i>	small-leaved milk tree				X
* <i>Ulex europaeus</i>	gorse	X			

		Pakipaki	Lake Alice	Pretty Tapu
<i>Vitex lucens</i>	puriri	O	O	X

#### DICOT LIANES

<i>Clematis cunninghamii</i>		O	O	X
<i>Clematis forsteri</i>		<sup>8</sup> X		X

<sup>4</sup> Druce (1972, 1991) recorded *Elaeocarpus dentatus*; Cooksley and Townsend (1992) recorded *E. hookerianus* in their species list (p. 65), but *E. dentatus* in their figure on p. 67, and have told me (pers.comm. 1996) that *E. hookerianus* was an error; Rapson et al. (1992) recorded *E. hookerianus* only; I have seen *E. dentatus* only. No observer has recorded both species unambiguously, so only *E. dentatus* is retained at present on the above list.

<sup>5</sup> The only *Nestegis* species recorded by Druce (1972, 1991) is *N. montana*, a species I also saw at Pakipaki in 1991, 1996, along with *N. lanceolata*. Cooksley and Townsend (1992) and Rapson et al. (1992) record *N. cunninghamii* (but not *N. montana*), and Rapson et al. also list *N. lanceolata*. *N. cunninghamii* may be an error for *N. lanceolata* and is not retained in the above list.

<sup>6</sup> One found 11 July 2010 (L Perrie, pers. comm.)

<sup>7</sup> *S. microphylla* seems the most likely species in western Northland; *S. chathamica* is more typical of eastern Northland

<i>Clematis paniculata</i>	puawhangana	X			
<i>Metrosideros diffusa</i>	white rata vine, aka				X
<i>Metrosideros perforata</i>	white rata vine, aka				X
<i>Muehlenbeckia australis</i>	pohuehue	X	X		
<i>Muehlenbeckia complexa</i>	small-leaved pohuehue	X	X	X	X
<i>Parsonsia capsularis</i>	NZ jasmine	X	X	X <sup>9</sup>	X <sup>9</sup>
<i>Parsonsia heterophylla</i>	NZ jasmine	(X)			
<i>Passiflora tetrandra</i>	kohia, NZ passionflower		X		
<i>Rubus australis</i>	bush lawyer	(X)			
<i>Rubus cissoides</i>	bush lawyer	(X)			X
* <i>Rubus fruticosus</i> agg.	blackberry	X			
<i>Rubus schmidelioides</i>	bush lawyer	X	X		
<i>Rubus squarrosus</i>	leafless lawyer		X		
<i>Rubus schmidelioides</i> x <i>R. squarrosus</i>			X		
<i>Tetragonia amplexicoma</i>	NZ spinach	X			

#### MONOCOT LIANE

<i>Ripogonum scandens</i>	supplejack	X	X		
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#### FERN ALLY

<i>Huperzia (Lycopodium) varia</i>	clubmoss				X
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#### FERNS

<i>Adiantum aethiopicum</i>	maidenhair fern				X
<i>Adiantum cunninghamii</i>	maidenhair fern	X <sup>^</sup>	X	?	X
<i>Adiantum hispidulum</i>	rosy maidenhair			X	X
<i>Asplenium flabellifolium</i>		X	X		
<i>Asplenium flaccidum</i>	hanging spleenwort	X	X	X	X
<i>Asplenium gracillimum</i>		X	X	X	X
<i>Asplenium hookerianum</i>		X	X		X
<i>Asplenium oblongifolium</i>	shining spleenwort	X	X	X	X
<i>Asplenium polyodon</i>	sickle spleenwort	X	X	X	X
<i>Asplenium flaccidum</i> x <i>A. gracillimum</i>		X			
<i>Blechnum filiforme</i>	climbing blechnum				X
<i>Cyathea dealbata</i>	ponga				X
<i>Cyathea medullaris</i>	mamaku	(X)	X	X	X
<i>Dicksonia squarrosa</i>	wheki	X	X		
<i>Doodia australis (Blechnum parrisiae)</i>	pukapuka			X	X
<i>Hymenophyllum bivalve</i>		(X)			
<i>Hymenophyllum dilatatum</i>				X	X
<i>Hymenophyllum flexuosum</i>					X
<i>Hymenophyllum multifidum</i>		(X)			
<i>Hymenophyllum revolutum</i>					X
<i>Hymenophyllum sanguinolentum</i>		X		X	X
<i>Hymenophyllum scabrum</i>					X
<i>Hypolepis ambigua</i>		X	X		
<i>Microsorium pustulatum</i>	hound's tongue fern	X	X	X	X
<i>Microsorium scandens</i>					X
<i>Notogrammitis ciliata</i>					X
<i>Paesia scaberula</i>	ring fern	X		X	
<i>Pellaea rotundifolia</i>	button fern	X	X	X	X
<i>Polystichum</i> <sup>10</sup> <i>neozelandicum</i> ssp. <i>neozelandicum</i>				X?	X?
<i>Polystichum neozelandicum</i> ssp. <i>zerophyllum</i>		X	X?		
<i>Pteridium esculentum</i>	bracken	X	X	X	X
<i>Pteris tremula</i>	shaking brake	X	X	X	X
<i>Pyrrhosia eleagnifolia</i>	leather leaf fern	X	X	X	X

**Pakipaki    Lake Alice    Pretty    Tapu**

<i>Rumohra adiantiformis</i>	X <sup>11</sup>
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<sup>8</sup> Common at Pakipaki on 11 Jul 2010 – never recorded here previously

<sup>9</sup> Most references for the Northland forests do not identify the *Parsonsia* to species level, except that Reid (1977) listed *P. heterophylla* and not *P. capsularis*. Broad-leaved forms of *P. capsularis* are locally common in Northland, and only the latter is retained in the above list.

<sup>10</sup> Lists made before 2008 listed *P. richardii*; at Pakipaki on 11 July 2010 *P. neozelandicum* was common and this is the likely species at the other 3 sites.

*Hymenophyllum nephrophyllum* (*Trichomanes reniforme*) kidney fern (X) X X

**MONOCOT HERBS**

<i>Acianthus sinclairii</i>		X		X	X
<i>Apodasmia</i> ( <i>Leptocarpus</i> ) <i>similis</i>	jointed wire-rush				X
<i>Astelia microsperma</i>	perching lily			?	X
<i>Astelia solandri</i>	perching lily				X
<i>Astelia trinervia</i>	kauri grass	O			X
<i>Austroderia</i> ( <i>Cortaderia</i> ) <i>splendens</i>	toetoe	O	O	X	X
<i>Bulbophyllum pygmaeum</i>					X
<i>Caladenia catenata</i> <sup>12</sup>		(X)			
<i>Carex dissita</i>		(X)			
<i>Carex dipsacea</i>		(X)			
<i>Carex virgata</i>		X			
<i>Carex</i> sp. (cf. <i>C. raoulii</i> , <i>C. testacea</i> ) <sup>13</sup>		X		X	X
<i>Chiloglottis cornuta</i>		X			
<i>CollospERMUM hastatum</i>	perching lily		X		X
<i>Corybas cheesemanii</i>		(X)			
<i>Corybas trilobus</i> agg.	spider orchid	X <sup>14</sup>	X	X	X
<i>Cyperus ustulatus</i>		X			
<i>Cyrtostylis oblonga</i>		X			
<i>Dendrobium cunninghamii</i>	bamboo orchid	X <sup>14</sup>			X
<i>Dianella nigra</i>	turutu			X	X
<i>Dichelachne crinita</i>	plume grass	X^			
<i>Drymoanthus adversus</i>		X	X		X
<i>Earina autumnalis</i>	autumn orchid		X	X	X
<i>Earina mucronata</i>		X		X	X
<i>Echinopogon ovatus</i>	hedgehog grass	X	X		
<i>Ficinia</i> ( <i>Isolepis</i> ) <i>nodosa</i>	club sedge	X		X	X
<i>Gahnia setifolia</i>					X
<i>Gahnia xanthocarpa</i>					X
<i>Gastrodia minor</i>		(X)			
<i>Isolepis reticularis</i> ?				X	
<i>Juncus pallidus</i>		X^			
<i>Juncus sarophorus</i>			X		
<i>Lepidosperma australe</i>	four square	(X)			
<i>Lepidosperma laterale</i>		O	O		X
<i>Luzula picta</i> s.s.	woodrush	X	X		
<i>Microlaena polynoda</i>	bamboo ricegrass			X	X
<i>Microlaena stipoides</i>	meadow ricegrass	X	X	X	X
<i>Microtis unifolia</i>	onion-leaved orchid	X	X		
<i>Morelotia affinis</i>					X
<i>Oplismenus imbecillus</i>			X	X	X
<i>Phormium tenax</i>	harakeke, NZ flax		X	X	X
<i>Poa anceps</i> s.l.		X		X	X
<i>Poa imbecilla</i>		X^			
<i>Poa pusilla</i>					X
<i>Pterostylis alobula</i>	greenhood orchid	X <sup>15</sup>		X	X
<i>Pterostylis banksii</i>	greenhood orchid	X^			
<i>Pterostylis montana</i> s.l.	greenhood orchid	(X)			
<i>Rytdosperma gracile</i>	danthonia				X
<i>Schoenus tendo</i>		O	O		X
<i>Uncinia banksii</i>	hook grass			?	X
<i>Uncinia distans</i>	hook grass			X <sup>16</sup>	
<i>Uncinia uncinata</i>	hook grass	X		X	X
<i>Uncinia zotovii</i>	hook grass				X

**Pakipaki    Lake Alice    Pretty Tapu**

<sup>11</sup> New find 11 July 2010 (L. Perrie)

<sup>12</sup> Possibly *C. alata*

<sup>13</sup> This unnamed *Carex* species has double-folded leaves (similar to those of *C. raoulii*) and, like *C. testacea*, has glabrous (not hispid) utricles, and the male spikes without fruits at their distal ends. The unnamed species seems to be largely coastal or semi-coastal in New Zealand. I lodged a CHR voucher from Pretty Bush.

<sup>14</sup> Members of Levin Native Flora Group, 11 July 2010

<sup>15</sup> Flowering 11 July 2010

<sup>16</sup> Most plant lists from Pretty Bush contain one *Uncinia* species in addition to *U. uncinata* (Wright 1991 recorded "*U. ?rubra/scabra*" and Forster and Beachman recorded *U. banksii*). In 1994 I saw only one fine-leaved species of *Uncinia* in Pretty Bush, *U. distans*.

## DICOT HERBS

<i>Acaena anserinifolia</i>	bidibidi	X		
<i>Cardamine forsteri</i>	bittercress	X	X	
<i>Cardamine dolichostyla</i>	bittercress	X <sup>^</sup>		
<i>Dichondra repens</i>	Mercury Bay weed	X	X	
<i>Dichondra</i> sp. (unnamed; <i>D. brevifolia</i> agg.)			X	
<i>Drosera peltata</i> ssp. <i>auriculata</i>	sundew	(X)		
<i>Euchiton</i> ( <i>Gnaphalium</i> ) <i>gymnocephala</i>		X	X	
<i>Galium propinquum</i>		X		
<i>Geranium</i> aff. <i>microphyllum</i>		X? <sup>^</sup>	X	
<i>Gonocarpus incanus</i>				X
<i>Hydrocotyle heteromeria</i>	waxweed	X <sup>^</sup>	X	
<i>Hydrocotyle moschata</i>	hairy pennywort	X	X	
<i>Lagenophora pumila</i>		X		
<i>Oxalis exilis</i>	creeping oxalis	X		
<i>Parietaria debilis</i>		X		
<i>Pseudognaphalium</i> sp. ( <i>P. luteo-album</i> agg.)	cudweed			X
<i>Ranunculus reflexus</i>	bush buttercup	X	X	
<i>Senecio glomeratus</i>	fireweed		X	
<i>Senecio hispidulus</i>	fireweed	X	X	X
<i>Senecio minimus</i>	fireweed	X		X
<i>Senecio quadridentatus</i>		(X)		
<i>Solanum americanum</i>	small-flowered nightshade	X		X
<i>Stellaria parviflora</i>		(X) <sup>17</sup>	X	X
<i>Urtica incisa</i>		(X)		
<i>Wahlenbergia violacea</i> <sup>18</sup>	harebell	X		

## DOUBTFUL RECORDS

NAME USED	AUTHOR(S) <sup>19</sup>	PLACE	PROBABLE IDENTITY
<i>Agropyron scabrum</i>	C	Pakipaki	<i>Elymus rectisetus</i> (adventive; see Connor 1994, Duguid 1990)
<i>Asplenium bulbiferum</i>	Ra, Re	Pakipaki, Tapu	<i>A. gracillimum</i>
<i>Asplenium bulbiferum</i> x <i>A. flaccidum</i>	C	Pakipaki	<i>A. flaccidum</i> x <i>A. gracillimum</i>
<i>Astelia banksii</i>	Re	Tapu Bush	<i>A. solandri</i> ?
<i>Austroderia fulvida</i>	M	Tapu Bush	<i>A. splendens</i> ?
<i>Carex fluviatilis</i>	C	Pakipaki	?
<i>Carex littoralis</i>	C	Pakipaki	?
<i>Carex testacea</i>	Wr, Wy	Pretty, Tapu	<i>Carex</i> sp. unnamed (see plant list above)
<i>Cladium baumea</i>	C	Pakipaki	? etiolated <i>Ficinia nodosa</i>
<i>Coprosma lucida</i> x <i>C. macrocarpa</i>	F	Pretty	? <i>C. macrocarpa</i> x <i>C. robusta</i>
<i>Elaeocarpus hookerianus</i>	C, Ra	Pakipaki	<i>E. dentatus</i>
<i>Hydrocotyle elongata</i>	C	Pakipaki	<i>H. moschata</i> ?
<i>Isachne globosa</i> ("small bush grass")	M	Tapu Bush	? <i>Oplismenus imbecillus</i>
<i>Mida salicifolia</i>	C	Pakipaki	<i>Nestegis</i> sp. or spp.
<i>Nestegis cunninghamii</i>	C, Ra	Pakipaki	<i>N. lanceolata</i>
<i>Parsonsia heterophylla</i>	Re	Tapu Bush	<i>P. capsularis</i> ? (see footnote #6, p.3)
<i>Pterostylis areolata</i> [reported seen 13.7.92]	Ra	Pakipaki	<i>Diplodium</i> ( <i>P.</i> ) <i>alobulum</i> ?
<i>Sophora tetraptera</i>	C	Pakipaki	<i>S. microphylla</i>
<i>Stellaria gracilentia</i>	C	Pakipaki	<i>S. parviflora</i> ?
<i>Uncinia banksii</i>	F	Pretty	<i>U. distans</i> ?
<i>Uncinia "rubra/scabra"</i>	Wr	Pretty	<i>U. distans</i> ?
<i>Urtica linearifolia</i>	C	Pakipaki	Not in forest portion?
<i>Wahlenbergia gracilis</i>	C	Pakipaki	<i>W. violacea</i>

## REFERENCES

Cooksley, I; Townsend, I 1992. Pakipaki dune forest, Hokio. Pp 62-68 in *Plants in the landscape – an informal flora of the Horowhenua* (A. Carpenter (ed.)). Levin native Flora Club.

<sup>17</sup> Rediscovered 11 July 2010 (CCO)

<sup>18</sup> Recorded by Enright et al. 2000, but probably what Cooksley & Townsend<sup>10</sup> recorded as *W. gracilis*.

<sup>19</sup> C = Cooksley and Townsend (1992); F = Forster and Beachman (1987, 1990); M = Miller (1992); Ra = Rapson et al. (1992); Re = Reid (1977); Wr = Wright (1991); Wy = Wright and Young (1991)

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