

Higher plants of Pukepoto Conservation Area (Grid ref. NZMS 260. S19 296443, Conservation Unit number 60129)

Nick Singers and Steve Deverall. 20 October 1999, Dept. of Conservation, Turangi.

Vegetation Description

Introduction

Pukepoto forest is centred around the two peaks Pukepoto (834 m) and Maungaku (981 m).

The eastern forest on flat rolling land around the old hut has been intensively logged and now consists of

Scattered emergent maire, Hall's totara, matai, miro / *Coprosma* "taylorae" – *Coprosma propinqua* subsp. *propinqua* – lancewood – *Pittosporum tenuifolium* var. *colensoi* shrubland (3–5m) / *Uncinia* species and *Leptopteris superba*.

This forest occurs in a frost hollow with many cold climate or sub-alpine forest species such as *Leptopteris superba* and mountain cabbage tree.

In the forest proper away from past logging, clearance and disturbance podocarp / broadleaf forest is dominant.

Rimu – matai – miro / black maire – kamahi – broadleaf – hinau / toro – putaputaweta / horopito – Smiths treefern / bush rice grass – hookgrass.

On some steeper slopes the forest canopy is more open and of a lower height.

(Occasional emergent podocarp, rimu or matai) / black maire – hinau – broadleaf / putaputaweta / Smiths tree fern – ponga.

Abundance Key

Species abundance was quantified subjectively using the following abundance key.

r = rare

u = uncommon

o = occasional

l = local

c = common and lc = locally common

a = abundant and la = locally abundant

* = adventive

Species

Common name

Abundance

Gymnosperm trees

Dacrycarpus dacrydioides

kahikatea

lc

<i>Dacrydium cupressinum</i>	rimu	a	
<i>Phyllocladus alpinus</i>	mountain toatoa	l	
<i>Phyllocladus trichomanoides</i> ¹	tanekaha		l
<i>Podocarpus hallii</i>	Halls totara	o	
<i>Podocarpus totara</i>	totara	o	
<i>Prumnopitys ferruginea</i>	miro	c	
<i>Prumnopitys taxifolia</i>	matai	a	

Monocot trees and shrubs and lianes

<i>Cordyline australis</i>	cabbage tree	u	
<i>Cordyline banksii</i>	forest cabbage tree	o	
<i>Cordyline indivisa</i>	mountain cabbage tree	l	
<i>Ripogonum scandens</i>	supplejack	u	

Dicot trees

<i>Aristotelia serrata</i>	wineberry, makomako	o	
<i>Beilschmiedia tawa</i> ²	tawa	u	
<i>Carpodetus serratus</i>	putaputaweta	c	
<i>Elaeocarpus dentatus</i>	hinau	c	
<i>Elaeocarpus hookerianus</i>	pokaka	lc	
<i>Fuchsia excorticata</i>	kotukutuku	u	
<i>Griselinia littoralis</i>	broadleaf	c	
<i>Kunzea ericoides</i>	kanuka	u	
<i>Leptospermum scoparium</i>	manuka	l	
<i>Meliccytus lanceolatus</i>	mahoe–wao	l	
<i>Meliccytus ramiflorus</i> subsp. <i>ramiflorus</i>	mahoe	c	
<i>Myrsine australis</i>	maupo	o	
<i>Myrsine salicina</i>	toro	a	
<i>Nestegis cunninghamii</i>	black maire	a	
<i>Nestegis lanceolata</i>	white maire	c	
<i>Olearia rani</i>	heketara	u	
<i>Pennantia corymbosa</i>	kaikomako	lc	
<i>Pittosporum tenuifolium</i> var. <i>colensoi</i>	kohuhu	o	
<i>Pittosporum eugenioides</i>	lemonwood	o	
<i>Plagianthus regius</i> ³	ribbonwood	u	
<i>Pseudopanax arboreus</i>	fivefinger	u	
<i>Pseudopanax crassifolius</i>	lancewood	o	
<i>Schefflera digitata</i>	pate	o	
<i>Weinmannia racemosa</i>	kamaha	c	

Dicot shrubs

<i>Alseuosmia pusilla</i>			
<i>Brachylottis repanda</i>	rangiora	o	
* <i>Buddleja davidii</i> ⁴	buddleia	l	

¹ Tanekaha (*Phyllocladus trichomanoides*) is present around the wetland (NZMS 260 T19 313454)

² Only seedlings and saplings <2m in height of tawa (*Beilschmiedia tawa*) were seen.

³ Only seedlings and saplings <2m in height of ribbonwood (*Plagianthus regius*) were seen.

<i>*Calluna vulgaris</i>	Ling heather	lc
<i>Coprosma grandifolia</i>	kaono	o
<i>Coprosma lucida</i>	karamu	o
<i>Coprosma propinqua subsp. propinqua</i>	mingimingi	o
<i>Coprosma rhamnoides</i>	divaricating coprosma	o
<i>Coprosma rotundifolia</i>	divaricating coprosma	l
<i>Coprosma sp. t: "taylorae" (Eagle, 1982)</i>	divaricating coprosma	a
<i>Coprosma tenuifolia</i>	wavy leafed karamu	o
<i>*Cytisus scoparius</i>	broom	u
<i>Dracophyllum subulatum</i>	monoao	u
<i>Gaultheria antipoda</i>	snowberry	l
<i>Gaultheria paniculata</i>	snowberry	l
<i>Geniostoma rupestre</i>	hangehange	o
<i>Hebe stricta</i>	koromiko	l
<i>Leptospermum scoparium</i>	manuka	l
<i>Melicope simplex</i>	poataniwha	o
<i>Myrsine divaricata</i>	waterfall bush	o
<i>Pseudowintera colorata</i>	horopito	a
<i>Raukawa simplex</i>	three finger	o
<i>*Salix cinerea</i> ⁵	grey willow	u
<i>*Ulex europaeus</i>	gorse	r

Dicot lianes

<i>Clematis paniculata</i>	white clematis	o
<i>Metrosideros diffusa</i>	white rata	c
<i>Muehlenbeckia australis</i>	pohuehue	u
<i>Rubus cissoides</i>	bush lawyer	c
<i>Rubus schmideloides</i>	bush lawyer	u

Lycopods and fern allies

<i>Lycopodium scariosum</i>	clubmoss	
<i>Lycopodium varium</i>	hanging clubmoss	
<i>Lycopodium volubile</i>	clubmoss	

Mosses

<i>Dawsonia superba</i>	giant moss	o
<i>Dendroligotrichum dendroides</i>		

Ferns

<i>Asplenium bulbiferum</i>	hen and chicken fern	o
<i>Asplenium flaccidum</i>	hanging spleenwort	c
<i>Asplenium polyodon</i>	sickle leaved spleenwort	c
<i>Blechnum chambersii</i>		o
<i>Blechnum colensoi</i>		o

⁴ *Buddleia (Buddleja davidii)* occurs on slips along the Waione stream

⁵ Grey willow (*Salix cinerea*) was found on a slip (NZMS 260 S19 296452)

<i>Blechnum discolor</i>	crown fern	o
<i>Blechnum fluviatile</i>		c
<i>Blechnum montanum</i>	mountain kiokio	u
<i>Blechnum novae-zelandiae</i>	kiokio	o
<i>Blechnum vulcanicum</i>	triangular kiokio	u
<i>Ctenopteris heterophylla</i>		o
<i>Cyathea dealbata</i>	silver fern, ponga	o
<i>Cyathea smithii</i>	katote	a
<i>Dicksonia fibrosa</i>	wheki-ponga	c
<i>Dicksonia squarrosa</i>	wheki	c
<i>Grammitis billardierii</i>		o
<i>Histiopteris incisa</i>	waterfern	o
<i>Hymenophyllum demissum</i>	irirangi	c
<i>Hymenophyllum dilatatum</i>	filmy fern	u
<i>Hymenophyllum ferrugineum</i>	filmy fern	u
<i>Hymenophyllum flabellatum</i>	filmy fern	u
<i>Hymenophyllum multifidum</i>	filmy fern	o
<i>Hymenophyllum pulcherrimum</i>	filmy fern	u
<i>Hymenophyllum rarum</i>	filmy fern	a
<i>Hymenophyllum sanguinolentum</i>	filmy fern	o
<i>Hymenophyllum scabrum</i>	hairy filmy fern	o
<i>Hymenophyllum villosum</i>	filmy fern	o
<i>Leptolepia novae-zelandiae</i>	lace fern	u
<i>Leptopteris hymenophylloides</i>	single crepe fern	c
<i>Leptopteris superba</i>	Prince of Wales fern	lc
<i>Paesia scaberula</i>	lace fern	u
<i>Phymatosorus pustulatus</i>	hounds tongue	c
<i>Pneumatopteris pennigera</i>	feather fern	o
<i>Polystichum richardii</i>	common shield fern	o
<i>Polystichum vestitum</i>	prickly shield fern	o
<i>Pteridium esculentum</i>	bracken	u
<i>Trichomanes reniforme</i>	kidney fern	o
<i>Rumohra adiantiformis</i>	leathery shield fern	u
<i>Sticherus cunninghamii</i>	umbrella fern	l

Orchids

<i>Corybas macranthus</i>	spider orchid	o
<i>Corybas trilobus</i>	spider orchid	o
<i>Earina mucronata</i>	bamboo orchid	c
<i>Microtis unifolia</i>	onion leaved orchid	l
<i>Pterostylis</i> spp.	green hooded orchid	o
<i>Thelymitra</i> spp.	sun orchid	l

Grasses

<i>Cortaderia fulvida</i>	toetoe	o
<i>Poa anceps</i>		u

Rushes and sedges

<i>Gahnia procera</i>	gahnia	o
<i>Juncus effusus</i>	soft rush	u
<i>Juncus gregiflorus</i>	rush	u
<i>Luzula picta</i> var. <i>picta</i>	wood rush	l

Monocot herbs

<i>Arthropodium cirratum</i>		u
<i>Astelia fragrans</i>	bush lily	o
<i>Collospermum microspermum</i>		c
<i>Phormium cookianum</i>	mountain flax	l

Composite herbs

* <i>Cerastium glomeratum</i>	mouse-eared chick weed	l
* <i>Cirsium arvense</i>	California thistle	u
* <i>Cirsium palustre</i>	march thistle	u
* <i>Cirsium vulgare</i>	Scotch thistle	u
<i>Gnaphalium coarctatum</i>	cudweed	l
<i>Hydrocotyle heteromeria</i>	hydrocotyle	u
<i>Hydrocotyle moschata</i>	hydrocotyle	o
* <i>Hypochoeris radicata</i>	catsear	l
<i>Lagenifera petiolata</i>	papataniwhaniwha	u
* <i>Mycelis muralis</i>	wall lettuce	u
<i>Nertera depressa</i>	nertera	o
<i>Pseudognaphalium luteoalbum</i>	jersey cudweed	l
* <i>Senecio jacobaea</i>	ragwort	l
<i>Taraxacum officinale</i>	dandelion	u

Dicot herbs

<i>Anisotome aromatica</i>		u
<i>Cardamine debilis</i> agg.	land cress	o
* <i>Digitalis purpurea</i>	foxglove	l
<i>Epilobium rotundifolium</i>	willow herb	l
<i>Oxalis magellanica</i>	creeping oxalis	u
* <i>Plantago major</i>	broad-leaved plantain	l
<i>Pratia angulata</i>	pratia	l
<i>Ranunculus reflexus</i>	bush buttercup	o
<i>Stellaria parviflora</i>	N.Z chickweed	o
<i>Urtica incisa</i>	nettle	c
<i>Viola filicaulis</i>	bush violet	o

Fauna

On the visit 20 October 1999, the following birds were seen or heard.

Tui	often
Bellbird	often
Woodpigeon	often
Kaka	1 bird, local
Tomtit	often
Shining cuckoo	occasional
Kotare-kingfisher	local
Greywarbler	often
Whitehead	often
Robin	often
Fantail	occasional
Harrier	local
*Eastern Rosella	1 bird seen near old hut site
*magpie	