

# Indigenous Vascular Plants at Moetapu Bush, Kowhai Station

Topomap T27 & T28 351993 Alt 100m

Tony Silbery, Olaf John, Pat Enright 11/4/99

unc = uncommon

## Site description:

This site is in the Wainuioru river valley on Kowhai station near the end of Admiral Station Road. It is on a terrace on the true right of the river and for some distance up the steep hillslope behind. The main area of the bush has been fenced off and does not appear to have been grazed for some time. This survey concentrated mainly of the fenced area, was thorough and took 4 hours)

There are a number of large Matai (*Prumnopitys taxifolia*), kahikatea (*Dacrycarpus dacrydioides*) and totara (*Podocarpus totara*) with a lower story of black maire (*Nestegis cunninghamii*), white maire (*Nestegis lanceolata*), titoki (*Alectryon excelsus* var. *excelsus*) ribbonwood (*Plagianthus regius*) lacebark (*Hoheria sexstylosa*) and kowhai (*Sophora microphylla* & *Sophora* sp.). The understory was fairly sparse but there were thickets of regenerating mahoe (*Melicytus ramiflorus* subsp. *ramiflorus*), coprosma species and rohutu (*Lophomyrtus obcordata*). There appeared to be some old flood channels which now form damp depressions and contained isolated plants of coprosma, tree fern (*Dicksonia fibrosa*) and weeping matipo (*Myrsine divaricata*).

Outside the fenced area there is no regeneration and very little native herbaceous material.

The main item of note was a single healthy specimen of *Olearia gardneri*, a species with a national listing of endangered. There was no sign of any regeneration of this species. *Fuchsia perscandens* was also locally abundant in some small areas.

## Gymnosperm trees and shrubs

<i>Dacrycarpus dacrydioides</i>	Kahikatea
<i>Podocarpus totara</i>	Totara
<i>Prumnopitys taxifolia</i>	Matai

## Monocotyledonous trees and shrubs

<i>Cordyline australis</i>	cabbage tree
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## Dicotyledonous trees and shrubs

<i>Alectryon excelsus</i> var. <i>excelsus</i>	Titoki
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	Brachyglottis repanda	Rangiora
	Carmichaelia australis	
	Coprosma areolata	
	Coprosma crassifolia	
	Coprosma propinqua subsp. propinqua	
	Coprosma rhamnoides	
	Coprosma rigida	
*	Coprosma robusta	Karamu
	Coprosma rotundifolia	
	Coprosma rubra	
	<del>Coprosma robusta</del>	
	Coprosma propinqua x C. robusta	
	Hebe stricta var. atkinsonii	Koromiko
	Hoheria sexstylosa	
	Kunzea ericoides	Kanuka
	Lophomyrtus obcordata	
	Melicope simplex	
	Melicytus ramiflorus subsp. ramiflorus	Mahoe
	Melicytus micranthus	
	Melicytus micranthus x M. ramiflorus (unc)	
	Myrsine divaricata	Weeping Matipo
	Nestegis cunninghamii	Black Maire
	Nestegis lanceolata	White maire
*	Nothofagus solandri var. solandri	
	Olearia gardneri (unc)	
	Pennantia corymbosa	Kaikomako
	Plagianthus regius	Ribbonwood
*	Pseudopanax arboreus	
	Raukahu anomalus	Whauwhaupaku
	Pseudopanax crassifolius	Horoeka, lancewood
	Sophora microphylla	Kowhai
	Sophora tetraptera (leaflets 13mm long)	Kowhai
	Streblus heterophyllus	Turepo, milk tree
	Urtica ferox	Tree nettle

### Monocotyledonous lianes

### Dicotyledonous lianes and related trailing plants

Calystegia tuguriorum	
Clematis foetida	
Clematis paniculata	
Fuchsia perscandens	
Metrosideros colensoi	
Muehlenbeckia australis	Pohuehue
Muehlenbeckia complexa	
Parsonsia capsularis	

Parsonsia heterophylla  
Passiflora tetrandra  
Rubus cissoides  
Rubus schmidelioides  
Rubus squarrosus (unc)

Akakiore  
Passion vine

## Psilopods, Lycopods and Quillworts

### Ferns

Adiantum cunninghamii  
Asplenium gracillimum  
Asplenium flabellifolium  
Asplenium flaccidum ss (unc)  
Asplenium hookerianum  
Blechnum fluviatile  
Dicksonia fibrosa (unc)  
Hypolepis ambigua  
Lastreopsis glabella  
Pellaea rotundifolia  
Pneumatopteris pennigera  
Polystichum richardii  
Polystichum silvaticum  
Pyrrosia eleagnifolia  
Pteridium esculentum

Maidenhair fern  
Necklace fern  
Makawe, Hanging spleenwort

Kiwakiwa  
Histiopteris incisa

Tarawera

Bracken

### Orchids

### Grasses

Echinopogon ovatus  
Microlaena polynoda

### Sedges

Carex dissita  
Carex flagellifera  
Carex forsteri  
Carex solandri  
Carex virgata

### Rushes and allied plants

Juncus gregiflorus  
Juncus sarophorus

Wiwi

### Remaining Monocotyledonous plants

## Daisy-like herbs (Composites)

Gnaphalium gymnocephalum  
Leptinella squalida

## Dicotyledonous herbs other than Composites

Acaena anserinifolia	Bidibidi
Australina pusilla	
Cardamine sp. ( <i>C. debilis</i> agg.) ("Narrow Petal" of Pritchard 1957)	
Dichondra aff brevifolia (petioles long, thick and unflattened)	
Galium propinquum	
Haloragis erecta (unc)	
Hydrocotyle elongata	
Hydrocotyle heteromeria	
Hydrocotyle novae-zelandiae	
Mazus novaezelandiae subsp novaezelandiae (unc) (Aalbert Rebergen pers. comm.)	
Oxalis exilis	Yellow oxalis
Plantago raoulii (unc)	
Pratia angulata	
Ranunculus reflexus (pp <i>R. hirtus</i> )	Maruru, hairy buttercup
Stellaria decipiens (unc)	
Urtica incisa	

## Birds:

Fantail  
Grey warbler  
Native pigeon  
Paradise duck  
Spurwinged plover  
Tui

## SAWYER, John [TSO,WGT]

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**From:** ENRIGHT, Pat [TTNZ]  
**To:** SAWYER, John [TSO,WGT]  
**Subject:** MOETAPU BUSH ON KOWHAI STATION  
**Date:** Tuesday, 13 April 1999 09:15AM

Hi John

We went to the bush patch on Kowhai station and had a good look around in the fenced area. We did not see the mazus but it may have been outside the fence. It is really only notable for the olearia but looks like a good place to revegetate with this species. I am probalely becoming a bit too critical and expecting a real flora bonanza each time.

I have a couple of sites not far from Ahi Paku to have a look at hopefully this weekend. One of them does not show on your map. It is on Patera and is 2 gullies over from Ahi Paku. According to Dave McLaren it has a lot of kowhai and scrub.

Cheers

<<lkowhai.doc>>

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