

LIST OF VASCULAR PLANTS IN THE JACOBSON QE2 COVENANT OFF MOONSHINE ROAD

TOPOMAP R27,R28 & Pt Q27 748088

Pat Enright, Olaf John 28/5/00 4hrs

Peter Beveridge, Pat Enright, Olaf John 3/6/00 4hrs

John Dawson, Pat Enright, Olaf John, Rob Lucas (to photograph Mida and Bulbophyllum) 4hrs

* indicates a species seen on the Wellington Botsoc trip 5/10/96 but not sighted on the current survey

There is a report on this covenant prepared by Ian Atkinson so these notes are merely an adjunct to that report.

There is another large northern rata (*Metrosideros robusta*) in the north eastern wing of the bush in addition to the one mentioned in the report. The groundcover is now more extensive in species number and density than when the original report was done. Under the kanuka the hook sedges *Uncinia banksii* and *U. uncinata* are both common with small patches of the ground orchids *Pterostylis alobula* and *Acianthus sinclairii* locally common. The native iris *Libertia ixioides* is also locally common in the zone where the kanuka merges with the tawa forest. In this transition zone *Asplenium oblongifolium* is commonly found.

Significant podocarp regeneration is obvious on the ridge north of the water tanks with totara (*Podocarpus totara*) and rimu (*Dacrydium cupressinum*) trees of varying sizes and less commonly matai (*Prumnopitys taxifolia*) and miro (*Prumnopitys ferruginea*). Kahikatea (*Dacrycarpus dacrydioides*) is less often seen and scattered small plants are restricted to the more moisture retentive area in the gully heads. Nikau seedlings are also found occasionally in the same area.

Plants of note seen on this survey are listed below.

Bulbophyllum pygmaeum. This small orchid is not often seen unless on windfall branches but in this case it was growing around the base of a black maire (*Nestegis lanceolata*).

Blechnum vulcanicum. This fern is a local around most of Wellington and is usually found on warm to very dry clay banks and rock faces.

Mida salicifolia. This small tree which is locally common north of Wellington is common here under the tall kanuka. There is to be found under the tawa/podocarp forest as well. A lot of the plants have suffered leader damage from cicada attack.

There does not appear to be a major weed problem at the moment but there are a few patches of banana passionfruit (*Passiflora mollissima*) that should be eradicated as soon as possible. Another problem climber, Japanese honeysuckle (*Lonicera japonica*) is present at the mouth of the main gully just before the start of the nikau (*Rhopalostylis sapida*) grove on the true left. Broom (*Cytisus scoparium*) and Himalayan honeysuckle (*Leycesteria formosa*) are present up by the gate at the top of the ridge track from the water tanks).

The gullies in this area are deeply incised and steep sided making for difficult and slow going at times. This survey was reasonably thorough for the area of kanuka scrub but the tawa forest and the bush on the higher slopes needs a more thorough survey. A couple of visits are required during the spring and summer to find what additional orchid species are present and to positively identify the gastrodia, thelymitra and microtis species.

Gymnosperm trees and shrubs

Dacrycarpus dacrydioides	kahikatea
Dacrydium cupressinum	rimu
Podocarpus totara	totara
Prumnopitys ferruginea	miro
Prumnopitys taxifolia	matai

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus	titoki
Beilschmiedia tawa	tawa
Brachyglottis repanda	rangiora
Carpodetus serratus	putaputaweta, marbleleaf
Coprosma areolata	
Coprosma crassifolia	
Coprosma grandifolia	raurekau
Coprosma lucida	
Coprosma propinqua subsp. propinqua	
Coprosma rhamnoides	
Coprosma robusta	karamu
Coprosma robusta x C. propinqua (unc)	
Dysoxylum spectabile	kohekohe
Elaeocarpus dentatus	hinau
Fuchsia excorticata (unc)	kotukutuku
Geniostoma rupestre var. rupestre	hangehange
Griselinia lucida	puka, broadleaf
Hedycarya arborea	porokaiwhiri,
pigeonwood	
Knightia excelsa	rewarewa
Kunzea ericoides	kanuka
Laurelia novae-zelandiae	pukatea
Leptospermum scoparium	manuka
Leucopogon fasciculatus	mingimingi
Lophomyrtus bullata	ramarama
Macropiper excelsum subsp. excelsum	kawakawa
Melicope simplex	poataniwha
Melicytus ramiflorus	mahoe
Metrosideros robusta	northern rata
Mida salicifolia	willow leaved maire
* Myoporum laetum	ngaio
Myrsine australis	red matipo
* Nestegis cunninghamii	black maire
Nestegis lanceolata	white maire
Olearia rani	
Olearia solandri	
Ozothamnus leptophylla	tauhinu
Pennantia corymbosa	kaikomako
Pittosporum eugenioides (unc)	tarata, lemonwood
Pittosporum tenuifolium	kohuhu
Pseudopanax arboreus	five finger
Pseudopanax crassifolius	horoeka, lancewood
Schefflera digitata	pate
Solanum sp. (unc)	poroporo
Streblus heterophyllus (unc)	turepo, milk tree
Weinmannia racemosa	kamahi

Monocotyledonous trees and shrubs

Rhopalostylis sapida	nikau
----------------------	-------

Monocotyledonous lianes

Freycinetia banksii	kiekie
---------------------	--------

Ripogonum scandens

supplejack

Dicotyledonous lianes and related trailing plants

* Clematis forsteri

Clematis paniculata

Metrosideros diffusa

Metrosideros fulgens

Metrosideros perforata

Muehlenbeckia australis

Parsonsia heterophylla

Passiflora tetrandra

Rubus cissoides

puawhananga
akatea

akatea
pohuehue
kaihua, N.Z. jasmine
passion vine
tataramoa, bush lawyer

Ferns

Adiantum cunninghamii

Asplenium bulbiferum

Asplenium flabellifolium

Asplenium flaccidum

Asplenium gracillimum

Asplenium hookerianum

Asplenium oblongifolium

Asplenium polyodon

Asplenium bulbiferum x A. flaccidum (unc)

Blechnum chambersii

Blechnum discolor

Blechnum filiforme

Blechnum fluviatile

Blechnum membranaceum

Blechnum novae zelandiae

Blechnum novae zelandiae (B. minus of N.Z. authors)

Blechnum vulcanicum (unc)

Cyathea dealbata

Cyathea medullaris

Dicksonia squarrosa

Histiopteris incisa

Hymenophyllum demissum

Hymenophyllum revolutum (unc)

Hymenophyllum sanguinolentum (unc)

Hypolepis ambigua

Lastreopsis glabella

Lastreopsis hispida

Lastreopsis microsora

Leptopteris hymenophylloides

Lindsaea trichomanioides (unc)

Microsorium pustulatus

Microsorium scandens

Paesia scaberula

Pellaea rotundifolia

Polystichum richardii

Polystichum vestitum (unc)

Pneumatopteris pennigera

Pteridium esculentum

Pteris macilenta (unc)

Pteris tremula

Pyrosia eleagnifolia

Rumohra adiantiformis

* Tricomanes endlicherianum

maidenhair fern
manamana, hen and chicken fern
necklace fern
hanging spleenwort

huruhuruwhenua, shining spleenwort
petako, sickle spleenwort

nini
crown fern
thread fern
kiwakiwa

kiokio
kiokio

ponga, silver fern
mamaku
wheki
maataa, water bracken

single crepe

kowaowao, hounds tongue
mokimoki, scented fern
matata, scented fern
tarawera, button fern
pikopiko

pakauroharoha, gully fern
rauaruhe, bracken
sweet fern
turawera, shaking brake
ota, leather-leaf fern

Orchids

Acianthus sinclairii

Bulbophyllum pygmaeum (unc) on white maire

Earina autumnalis (unc)

Earina mucronata (unc)

Gastrodia sp. (per. comm. Mike Jacobson)

peka a waka

- Pterostylis alobula
- * Pterostylis banksii tutukiwi
- * Pterostylis sp.

Grasses

- Microlaena avenacea bush rice grass
- Microlaena stipoides
- Rytidosperma gracile
- Rytidosperma unarede

Sedges

- Carex dissita
- Carex virgata (unc)
- Eleocharis acuta
- Gahnia pauciflora
- Isolepis prolifer
- Isolepis reticularis
- Schoenus maschalinus
- Uncinia banksii
- Uncinia rupestris (unc)
- Uncinia uncinata watu, hook grass

Rushes and allied plants

- Juncus gregiflorus
- Juncus planifolius
- Juncus sarophorus
- Luzula picta var picta

Remaining Monocotyledonous plants

- * Astelia solandri
- Collospermum hastatum
- Dianella nigra
- * Libertia grandifolia
- Libertia ixioiodes

Daisy-like herbs (Composites)

- Euchiton audax (unc)
- Euchiton gymnocephalus
- Senecio hispidulus
- Senecio minimus

Dicotyledonous herbs other than Composites

- Acaena anserinifolia bidibidi
- Cardamine sp. (*C. debilis* agg.) ("Narrow Petal" of Pritchard 1957)
- Centella uniflora
- * Hydrocotyle heteromeria waxweed
- Hydrocotyle moschata
- Leptostigma setulosa
- Oxalis exilis yellow oxalis
- Ranunculus reflexus
- Solanum americanum
- Stellaria decipiens chickweed

Birds:

- Blackbird
- Eastern rosella
- Fantail
- Grey warbler
- Kingfisher
- Native pigeon
- Starling
- Tui
- Waxeye

