

On biblio
Orchids
on dbase ✓

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 eugeniioides (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
Ripogonum scandens

kiekie
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

Psilopsids, Lycopods and Quillworts

Ferns

Adiantum cunninghamii
Asplenium bulbiferum
chicken fern
Asplenium flabellifolium
Asplenium flaccidum
Asplenium gracillimum
Asplenium hookerianum
Asplenium oblongifolium
spleenwort
Asplenium polyodon
Asplenium bulbiferum x A. flaccidum (unc)
Blechnum chambersii
Blechnum discolor

maidenhair fern
manamana, hen and

necklace fern
hanging spleenwort

huruhuruwhenua, shining

petako, sickle spleenwort

nini
crown fern

Blechnum filiforme
Blechnum fluviatile
Blechnum membranaceum
Blechnum novae zelandiae
Blechnum novae zelandiae (B. minus of N.Z. authors)
Blechnum vulcanicum (unc)

thread fern
kiwakiwa

kiokio
kiokio

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

ponga, silver fern
mamaku
wheki
maataa, water bracken

tongue

Microsorium scandens
Paesia scaberula
Pellaea rotundifolia

single crepe

kowaowao, hounds

mokimoki, scented fern
matata, scented fern
tarawera, button fern

Polystichum richardii
Polystichum vestitum (unc)
Pneumatopteris pennigera
fern

Pteridium esculentum
Pteris macilenta (unc)
Pteris tremula

brake

Pyrrhosia eleagnifolia
Rumohra adiantiformis

* Tricomanes endlicherianum

pikopiko

pakauroharoha, gully

rauaruhe, bracken
sweet fern

turawera, shaking

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)

Pterostylis alobula

* Pterostylis banksii ✓

* Pterostylis sp. ✓

peka a waka

tutukiwi

Grasses

Microlaena avenacea
Microlaena stipoides
Rytidosperma gracile
Rytidosperma unarede

bush rice grass

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