

PATERA Q.E.2 COVENENT LONGBUSH (110-150m a.s.l.) (2233)

TOPOMAP S27 284955 EW
Indigenous Vascular Plants

On bible
Orchids or
abase

Pat Enright 24/07/99, 4/9/99, Pat Enright, Olaf John 18/9/99

unc = uncommon

P = planted

Site description:

This site is an OSC of about 3.4 hectares owned by the Wilde family of Greytown and currently leased by Chris Watson. It occupies a gully trending N - S and with a small stream descending steeply from the gully head and then flattening out to give a cirque like valley. The stream meanders a little within the gully giving some level ground at differing heights. The sides of the gully and the stream banks are quite steep.

The bush remnant consists of a lot of older trees and scrub with the only regeneration evident being for the coprosma species and for the kowhais (*Sophora sp.*). This is probably a reflection of the time that the area has been fenced and stock excluded as the flowering/seeding cycle for the maies, olearia and podocarps can be up to seven years. Consequently it may be a number of years before significant regeneration of these species can take place. Another factor reflecting the past grazing regime is the number of species seen only on the very steep banks of the stream where they would have been inaccessible to stock.

The vegetation changes from coprosmas and *Myrsine divaricata* under kahikatea and matai up the slopes through totara (*Podocarpus totara*), tall kanuka (*Kunzea ericoides*) and kowhai to some old *Olearia paniculata* specimens at the bush edge. There is about 30% of the area in grassland.

The native dock (*Rumex flexuosus*) which is a local rarity is growing in a seasonally wet area under some old coprosma species. Another notable feature of this remnant was the presence of the three maire species. The narrow leaved maire (*Nestegis montana*) being much more common here than is usually the case.

The most notable find was a small patch of *Doodia squarrosa*. This fern species has only one other known occurrence in the Wellington conservancy and that is at a site near Porirua. There are about a dozen plants that look to be healthy and in no danger at present. There are a number of old herbarium records from the Wairarapa in the National herbarium at Te Papa for this species.

I note a number of plantings with the covenant and it would be a good idea to keep a good record of what was planted and when so that a future survey could distinguish the original species from those introduced.

The survey was quite thorough but a further visit in early summer to check for flowering orchids, sedges and herbaceous species would be of use. There was an unusual looking ranunculus species growing in the grassland area that may or not be a native species.

Gymnosperm trees and shrubs

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

Monocotyledonous trees and shrubs

Cordyline australis	ti kouka, cabbage tree
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Eucotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus (unc)	titoki
Brachyglottis repanda	rangiora
Carmichaelia australis	makaka
Carpodetus serratus	putaputaweta, marbleleaf
Coprosma areolata	
Coprosma crassifolia	
Coprosma linariifolia (unc)	
Coprosma propinqua subsp. propinqua	mingimingi
Coprosma rhamnoides	
Coprosma rigida	
Coprosma robusta	karamu
Coprosma rotundifolia	
Coprosma rubra (unc)	
Coprosma propinqua x C. robusta	
Corynocarpus laevigatus (P)	karaka
Hoheria angustifolia (unc)	
Hoheria sexstylosa	houhi ongaonga, narrowleaved lacebark
Kunzea ericoides	kanuka
Knightia excelsa (P)	rewarewa
Lophomyrtus obcordata	rohutu
Melicope simplex	poataniwha
Melicytus micranthus	small leaved mahoe
Melicytus ramiflorus subsp. ramiflorus	mahoe, whitey wood
Myrsine australis	red matipo
Myrsine divaricata	weeping matipo
Nestegis cunninghamii	black maire
Nestegis lanceolata	white maire
Nestegis montana	narrow-leaved maire
Olearia paniculata (unc)	akiraho
Pennantia corymbosa	kaikomako
Plagianthus regius	ribbonwood
Pseudopanax crassifolius	horoeka, lancewood

Raukaua anomalus
Sophora microphylla
Sophora tetraptera (nondivariating juvenile, leaflets 13mm long)
Streblus heterophyllus

whauwhaupaku
kowhai
kowhai
turepo, milk tree

Monocotyledonous lianes

Dicotyledonous lianes and related trailing plants

Calystegia tuguriorum
Clematis foetida
Clematis forsteri
Metrosideros colensoi
Metrosideros diffusa
Muehlenbeckia australis
Muehlenbeckia complexa
Parsonsia capsularis
Parsonsia heterophylla
Passiflora tetrandra
Rubus cissoides (unc)
Rubus schmidelioides

akakaiku
akatea
pohuehue
pohuehue

akakiore
kohia, passion vine
tataramoa, bush lawyer
tataramoa, bush lawyer

Psilopods, Lycopods and Quillworts

Ferns

Adiantum cunninghamii
Asplenium bulbiferum
Asplenium flabellifolium
Asplenium flaccidum ss
Asplenium hookerianum
Asplenium bulbiferum x A. flaccidum
Asplenium bulbiferum x A. hookerianum
Blechnum chambersii
Blechnum fluviatile
Doodia squarrosa (unc)
Hypolepis ambigua
Lastreopsis glabella
Pellaea rotundifolia
Phymatosorus pustulatus (unc)
Pneumatopteris pennigera
Polystichum richardii
Pteris tremula (unc)
Pyrrhosia eleagnifolia

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

nini
kiwakiwa
mokimoki

tarawera
kowaowao
pakauroharoha, gully fern
pikopiko
turawera
leather-leaf fern

Orchids

Corybas trilobus ✓
Earina mucronata (unc) ✓

Grasses

Echinopogon ovatus
Microlaena avenacea bush rice grass
Microlaena polynoda
Microlaena stipoides
Poa anceps subsp. anceps
Poa imbecilla

Sedges

Carex dissita (unc)
Carex geminata ss
Carex forsteri (unc)
Carex virgata
Uncinia leptostachya

Rushes and allied plants

Juncus gregiflorus wiwi

Remaining Monocotyledonous plants

Astelia fragrans (unc)
Libertia ixioides (unc) mikoikoi, native iris

Daisy-like herbs (Composites)

Craspedia uniflora var. grandis
Gnaphalium gymnocephalum
Leptinella squalida
Senecio minimus

Dicotyledonous herbs other than Composites

Acaena anserinifolia piripiri, bidibidi
Aciphylla squarrosa (unc)
Cardamine sp. (C. debilis agg.) ("Long Style" of Pritchard 1957) (unc)
Cardamine sp. (C. debilis agg.) ("Narrow Petal" of Pritchard 1957)
Daucus glochidiatus
Dichondra brevifolia agg.
Dichondra sp. (long thin petioles)
Epilobium nummularifolium
Geranium microphyllum namunamu
Haloragis erecta toatoa
Hydrocotyle elongata
Hydrocotyle heteromeria

<i>Oxalis exilis</i>	yellow oxalis	
<i>Oxalis</i> sp. (Large hairy leaf, purple underneath. ? <i>magellanica</i>)		
<i>Plantago raoulii</i>	tukarehu	
<i>Pratia angulata</i>		panakenake
<i>Ranunculus reflexus</i>		maruru, hairy buttercup
<i>Rumex flexuosus</i>		runa
<i>Stellaria decipiens</i> (unc)		raumangu
<i>Urtica incisa</i>		
<i>Wahlenbergia</i> sp. (unc)		

Birds:

Fantail
Grey warbler
Mallard
Paradise duck
Pheasant
Pukeko
Tui

