

LIST OF VASCULAR PLANTS IN FENCED BUSH AREA SOUTH OF THE CARPARK AT ONEHUNGA BAY, WHITIREIA PARK

Topomap R26 & Pt R25 657109

Pat Enright 5/8/00 (4hrs), 6/8/00 (2hrs), 25/8/00(1hr)

Pat Enright, Olaf John 12/8/00(3hrs)

* = herbarium specimen lodged with National Herbarium/Auckland Herbarium

1 = species listed on Botsoc lists (12/70, 10/88, 11/95) but not seen on current survey.

This bush area is located in two small gullies that run West to East and cover the flat topped ridge in between. There is a boggy area at the bottom of the main gully that runs at right angles to the two smaller gullies.

Kanuka (*Kunzea ericoides*) dominates the dividing ridge, the gully side facing northeast and runs across the top of the gullies. Titoki (*Alectryon excelsus*) and the odd ngaio (*Myoporum laetum*) appear below the kanuka. Wharangi (*Melicope ternata*), kohekohe (*Dysoxylum spectabile*) are common on the lower slopes. Karaka (*Corynocarpus laevigatus*) is represented by a few mature trees but there is a mass of seedlings in places that may crowd out and prevent the other species from regenerating. Other tree species that are relatively common are mahoe (*Melicytus ramiflorus*) and kaikomako (*Pennantia corymbosa*). *Coprosma propinqua* is common in the boggy areas and forms somewhat of a hedge along the main gully floor. There are some large areas of rank exotic grasses spread throughout the bush area. Some planting has been done with the northern rata (*Metrosideros robusta*) being planted in the gullies and other species already in the area, planted in some of the grassy areas. Kowhai (*Sophora microphylla*) although not seen in the area has also been planted. The rata have been sourced from the solitary plant on Mana Island. There are a few karo (*Pittosporum crassifolium*) trees growing in the bush and as they are not native to the area and spread quite quickly, perhaps they would be best removed. The native jasmine (*Parsonsia heterophylla*) is very common in the area and along with the muehlenbeckia species, covers a lot of the shrub community.

There are few tree ferns with a few silver ferns (*Cyathea dealbata*) and two mamaku (*Cyathea medullaris*) growing in the boggy area. The ground ferns are somewhat sparse but are locally common in some parts.

The grasses and sedges are also sparse except for *Carex virgata*, *Carex lessoniana* and *Eleocharis acuta* which are locally common in the boggy area. Meadow rice grass covers quite a large area in the southernmost gully and appears in patches throughout the area.

As a general observation there are a large number of species that are represented by single occurrences with little sign of these species regenerating. Rohutu (*Lophomyrtus obcordata*) and *Streblus banksii* (3 metre specimen) are in this category while red matipo (*Myrsine australis*) has one half dead specimen and a 2 metre juvenile and tawa is represented by one adult and one seedling. Ferns that were rare are *Blechnum chambersii* (one nearly dead specimen), *Pteris macilentata*, *Polystichum vestitum*, *Doodia australis*, *Arthropteris tenella* and *Rumohra adiantiformis*. The harsh conditions prevalent in the area mean that species like karaka will dominate more so in the future.

The main weed problem is with boneseed (*Chrysanthemoides monilifera*) which dominates part of the dividing ridge. This species should be cut down as soon as possible and the younger plants spot sprayed. Blackberry (*Rubus fruticosus*) forms several large patches and would be easily sprayed and eradicated.

There was no sign of possum control.

In the boggy area between the fenced area and the road are a few species that are not shown of the full list for Whitireia Park. They include *Carex secta*, *Cotula coronopifolia* and a ranunculus species (this may be an exotic).

Species of note:

Adiantum diaphanum: This small maidenhair fern occurs sparsely around Wellington and grows in four scattered small patches in the gullies. The best patch can be seen growing on the bank of the small watercourse behind the large adult pigeonwood (*Hedycarya arborea*) growing halfway up the northern boundary fence.

Arthropteris tenella: This climbing fern is not uncommon in the conservancy but sparse enough to be worthy of note. A single small patch was seen growing on the trunk of a kohekohe.

Doodia australis: This is another fern with a patchy distribution in the conservancy. There is one large plant growing in a grassy patch amongst the kanuka near the bottom of the ridge.

Juncus caespiticius. This rush is widely distributed in the North Island but local in its occurrence. It is growing just inside the fence in the boggy area.

Lophomyrtus obcordata. There is a single small tree growing near the *Streblus banksii*. This is another species that is more common in the Wairarapa than around Wellington. The fact that these two species along with kohuhu (*Pittosporum tenuifolium*) are in grouped both physically and in apparent age, raises the question of whether they might have been planted some time in the past

Streblus banksii. This tree is more common north of Wellington but is nowhere common in the conservancy. There is a single 3 metre tree on the ridge which is being rather crowded.

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus	titoki
Beilschmiedia tawa (unc)	tawa
Carmichaelia australis	native broom
Coprosma areolata	
Coprosma crassifolia	
Coprosma propinqua subsp. propinqua	mingimingi
Coprosma repens	
Coprosma rhamnoides	
Coprosma robusta	karamu
Coprosma propinqua x C. robusta	
Corynocarpus laevigatus	karaka
Dysoxylum spectabile	kohekohe
1 Elaeocarpus dentatus	hinau
Geniostoma rupestre var. rupestre	hangehange
Hedycarya arborea	porokaiwhiri, pigeonwood
Kunzea ericoides	kanuka
Leptospermum scoparium	manuka
Leucopogon fraseri	
Lophomyrtus bullata (unc)	ramarama
Lophomyrtus obcordata (unc)	rohutu
Macropiper excelsum subsp. excelsum	kawakawa
Melicope ternata	wharangi
1 Melicytus crassifolius (may have been confused with exposed plants of C. propinqua)	
Melicytus ramiflorus	mahoe
Metrosideros robusta (unc)	northern rata
Myoporum laetum	ngaio
Myrsine australis (unc)	red matipo
Olearia solandri (unc)	
Ozothamnus leptophyllus	tauhinu
Pennantia corymbosa	kaikomako
Pittosporum crassifolium	karo
Pittosporum tenuifolium (unc)	kohuhu
1 Pseudopanax arboreus	five finger
Pseudopanax crassifolius	horoeka, lancewood
Pseudopanax crassifolius x C. arboreus (unc)	
Streblus banksii (unc)	towai

Monocotyledonous trees and shrubs

Cordyline australis	ti, cabbage tree
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Dicotyledonous lianes and related trailing plants

Calystegia tuguriorum	
Clematis forsteri	

Metrosideros diffusa		akatea
Metrosideros perforata		akatea
Muehlenbeckia australis		pohuehue
Muehlenbeckia complexa		pohuehue
Parsonsia heterophylla		kaihua, N.Z. jasmine
Rubus schmidelioides		tataramoa, bush lawyer
Tetragona trigyna	native spinach	

Ferns

* Adiantum diaphanum (unc)		
* Arthropteris tenella		
Asplenium appendiculatum subsp. maritimum		
Asplenium flabellifolium		necklace fern
Asplenium flaccidum		hanging spleenwort
Asplenium gracillimum		
Asplenium hookerianum		
Asplenium oblongifolium		huruwhenua, shining spleenwort
Asplenium polyodon (unc)		petako, sickle spleenwort
Asplenium flaccidum x A. appendiculatum subsp. maritimum		
Asplenium gracillimum x A. hookerianum		
Blechnum chambersii (unc)		nini
Blechnum filiforme		thread fern
Blechnum novae zelandiae (both forms)		kiokio
Cyathea dealbata		ponga, silver fern
Cyathea medullaris (unc)		mamaku
* Doodia australis (unc)		
1 Histiopteris incisa		mata, water bracken
Hypolepis ambigua		
Lastreopsis glabella		
Lastreopsis velutina		
Microsorium pustulatum		kowaowao, hounds tongue
Microsorium scandens		mokimoki, scented fern
Paesia scaberula		matata, scented fern
Pellaea rotundifolia		tarawera, button fern
Polystichum richardii		pikopiko
Polystichum vestitum (unc) ? (Too small to call definitely)but is not P. richardii)		puniu
Pteridium esculentum		rauaruhe, bracken
Pteris macilentata (unc)		sweet fern
Pteris tremula		turawera, shaking brake
Pyrrhosia eleagnifolia		ota, leather-leaf fern
Rumohra adiantiformis		

Orchids

1 Drymoanthus adversus		
Microtis unifolia		maikaika, onion leaved orchid
Thelymitra longifolia (unc)		maikuku

Grasses

Echinopogon ovatus (unc)
Microlaena stipoides

Sedges

Carex breviculmis
Carex dissita
Carex flagellifera
Carex lessoniana
Carex virgata
Carex cf. testacea (“raotest”)
Cyperus ustulatus
Eleocharis acuta
Isolepis prolifer

Uncinia uncinata ?

Rushes and allied plants

- * Juncus caespiticus
- Juncus distegus
- Juncus gregiflorus
- Juncus pallidus
- Juncus planifolius
- Luzula picta var picta (unc)

Daisy-like herbs (Composites)

- Euchiton audax
- Euchiton gymnocephala
- Euchiton involucrata (unc)
- Senecio glomeratus
- Senecio hispidulus

Dicotyledonous herbs other than Composites

- Cardamine sp. (C. debilis agg.) (“Long Style” of Pritchard 1957)
- Cardamine sp. (C. debilis agg.) (“Narrow Petal” of Pritchard 1957)
- Centella uniflora
- Dichondra repens
- Galium propinquum
- Geranium solanderi var. “large petals” (unc)
- Hydrocotyle heteromeria
- Hydrocotyle moschata
- Hydrocotyle novae zelandiae agg. (laminae hairy top & bottom)
- Lobelia anceps
- Oxalis exilis yellow oxalis
- Parietaria debilis maruru, hairy buttercup
- Ranunculus reflexus
- * Solanum americanum
- Stellaria decipiens chickweed

Mosses:

- Cyathoporum bulbosum (unc)

Adventives

Dicotyledonous trees and shrubs

- Chrysanthemoides monilifera boneseed
- Ulex europaeus gorse

Dicotyledonous lianes and related trailing plants

- Rubus fruticosus blackberry
- Vicia sativa climbing veitch

Grasses

- Agrostis stolonifera
- Dactylis glomerata cocksfoot
- Errhata erecta veld grass
- Holcus lanata yorkshire fog

Rushes and allied plants

- Juncus effusus

Daisy-like herbs (Composites)

- Hypochaeris radicata catsear
- Picris echoides ox tongue
- Senecio jacobea ragwort
- Sonchus oleraceus sow thistle

Dicotyledonous herbs other than Composites

Callitriche stagnalis
Cardamine hirsuta
Cirsium vulgare
Foeniculum vulgare
Galium aparine
Geranium robertianum
Prunella vulgaris
Rorippa nasturtium-aquaticum
Rumex conglomeratus
Solanum nigrum
Stellaria media
Trifolium repens

starwort
spitweed
scotch thistle
fennel
bedstraw
herb robert
selfheal
watercress
clustered dock
nightshade
white clover

Birds:

Fantail
Grey warbler
Magpie
Waxeye

Mammals:

Hare