

LOWES BUSH (704)
Topomap S26 285195 Alt 110m

Orchids
and base ✓

Indigenous Vascular Plants.

w. P

Aalbert Rebergen, Tony Silbery 01/08/99 Olaf John, Pat Enright
09/08/99(3hrs), 25/9/99(3hrs), 2/10/99, 18/12/99(2hrs) Tony Silbery, Pat Enright 6/11/99
(3hrs)

unc = uncommon

Site description:

The site is bounded by water races on the north and the south with the western end of the bush being slightly elevated with a slight bank where the bush drops down to the swampy area fringing the water race. Numerous waterways criss-cross and drain the area from north to south but would dry out in the summer months. There are a number of swampy areas within the site covered in the main by raupo (*Typha orientalis*) and fringed with *Olearia virgata*. The olearia is also found along a good part of the southern boundary along with swamp maire (*Syzgium maire*) and a number of sedges including *Baumea tenax*, *Carex lessoniana*, *C. dissita* and *Uncinia uncinata* which would indicate that browsing levels must have been low. Also present here was a species of spider orchid (*Corybas rivularis* {'waiouru'}).

Blechnum filiforme forms extensive mats under the main bush usually on mounds that are above the winter water level where ponding takes place. *Ranunculus amphitrichus* fills some of the water hollows and its smaller look alike species, *Ranunculus glabrifolius* prefers the boggy meadowland around the water races. Pukatea (*Laurelia novae zelandiae*) and kahikatea (*Dacrycarpus dacrydioides*) form the emergent species in the wetter hollows with matai (*Prumnopitys taxifolia*) and tawa (*Beilschmiedia tawa*) where the ground is a little drier. Titoki (*Alectryon excelsus*) and mahoe (*Melicetyus ramiflorus*) form the main subcanopy with a shrubby understory, where light permits, of coprosma species.

Jerusalem cherry (*Pseudocapsicum*), wandering willie (*Tradescantia flumenensis*) and onion weed (*Allium triquetrum*) are the main weed species in this area.

The notable plants found in this site would be:

Dwarf musk (*Mazus novae zelandiae*) which forms some extensive mats in areas where it is seasonally wet but where water does not lie for any great period..

The sedge (*Carex maorica*) which although common nationally is uncommon in the Wellington conservancy.

The small mistletoe (*Korthosella lindsayi*) which is found on coprosma species and *Melicope simplex* where light and shelter conditions suit.

The willowherb *Epilobium pallidiflorum* which is patchily distributed around the conservancy.

Gymnosperm trees and shrubs

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

Monocotyledonous trees and shrubs

Cordyline australis	ti kouka, cabbage tree
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Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus	titoki
Aristolelia serrata	makomako, wineberry
Beilschmiedia tawa	tawa
Brachyglottis repanda	rangiora
Carmichaelia australis	native broom
Carpodetus serratus	putaputaweta
Coprosma areolata	
Coprosma crassifolia	
Coprosma grandifolia (unc)	
Coprosma propinqua subsp. propinqua	mingimingi
Coprosma rhamnoides	
Coprosma rigida	
Coprosma robusta	karamu
Coprosma rotundifolia	
Coprosma tenuicaulis	
Coprosma propinqua x C. robusta	
Elaeocarpus hookerianus (unc)	pokaka
Fuchsia excorticata (unc)	kotukutuku
Geniostoma rupestre var. lingustrifolium	hangehange
Griselinia lucida	puka, broadleaf
Hebe stricta var. atkinsonii	koromiko
Hedycarya arborea	porokaiwhiri,
pigeonwood	
Hoheria sexstylosa	houhi ongaonga,
narrow leaved lacebark	
Korthosella lindsayi (on Coprosma rigida, C. crassifolia, Melicope simplex)	mistletoe
Knightia excelsa	rewarewa
Kunzea ericoides (unc)	kanuka
Laurelia novae-zelandiae	pukatea

Leptospermum scoparium	manuka
Lophomyrtus obcordata	rohutu
Lophomyrtus obcordata x L. bullata (unc)	
Melicope simplex	poataniwha
Melicytus micranthus	small leaved mahoe
Melicytus ramiflorus subsp. ramiflorus	mahoe, whitey wood
Myrsine australis	red matipo
Myrsine salicina	
Neomyrtus pedunculata	
Nestegis cunninghamii	black maire
Nestegis lanceolata	white maire
Olearia virgata	
Ozothamnus leptophylla	tauhinu
Pennantia corymbosa	kaikomako
Pittosporum eugenioides	tarata, lemonwood
Pittosporum tenuifolium	kohuhu
Plagianthus regius	lowland ribbonwood
Pseudopanax arboreus	
Pseudopanax crassifolius	horoeka, lancewood
Schefflera digitata	pate
Solanum laciniatum	poroporo
Streblus heterophyllus	turepo, milk tree
Syzygium maire	swamp maire
Weinmannia racemosa	kamahi

Monocotyledonous lianes

Freycinetia banksii	kiekie
Ripogonum scandens	rareao, supplejack

Dicotyledonous lianes and related trailing plants

Clematis foetida (unc)	
Clematis paniculata	puawhananga
Metrosideros colensoi	
Metrosideros diffusa	akatea
Metrosideros fulgens	
Metrosideros perforata	akatea
Muehlenbeckia australis	pohuehue
Parsonsia heterophylla	kaihua
Passiflora tetrandra	kohia, passionvine
Rubus australis	tataramoa, bush lawyer
Rubus cissoides (very narrow leaf)	tataramoa, bushlawyer
Rubus schmidelioides	tataramoa, bush lawyer

Psilopods, Lycopods and Quillworts

Ferns

Asplenium flabellifolium (unc)	necklace fern
Asplenium bulbiferum	manamana
Asplenium flaccidum	makawe, hanging
spleenwort	
Asplenium gracillimum	manamana
Asplenium hookerianum	
Asplenium oblongifolium	huruhuru whenua
Asplenium polyodon	petako
Asplenium gracillimum x A. hookerianum (unc)	
Azolla filiculoides	
Blechnum chambersii	
Blechnum filiforme	panako
Blechnum membranaceum (unc)	
Blechnum novae zelandiae (both forms)	kiokio
Blechnum pennamarina (unc)	
Cyathea dealbata (unc)	ponga
Dicksonia squarrosa	wheki
Histiopteris incisa (unc)	
Hymenophyllum demissum	
Hymenophyllum rarum (unc)	
Hymenophyllum sanguinolentum (unc)	
Hypolepis ambigua	
Hypolepis lactea (unc)	
Lastreopsis glabella	
Lastreopsis hispida	
Lastreopsis microsora	
Paesia scaberula	
Pellaea rotundifolia	tarawera
Phymatosorus pustulatus	kowaowao
Phymatosorus scandens	
Pneumatopteris pennigera	pakauroharoha, gully
fern	
Pteridium esculentum	rauaruhe, bracken
Pteris macilenta	
Pteris tremula	turawera, shaking
brake	
Pyrosia eleagnifolia	leather-leaf fern
Tmesipteris elongata	

Orchids

Caladenia sp. (unc)	
Chiloglottis cornuta (unc) ✓	duck orchid
Corybas trilobus ✓	
Corybas "waiouru"	spider orchid
Earina mucronata (unc) ✓	
Microtis unifolia ✓	
Pterostylis banksii ✓	tutukiwi, greenhood
orchid	

Pterostylis graminea ✓
Pterostylis montana ✓
Pterostylis aff. montana

Grasses

Cortaderia fulvida toetoe
Echinopogon ovatus
Microlaena avenacea bush rice grass
Microlaena stipoides
Rytidosperma gracile

Sedges

Baumea rubiginosa (unc)
Baumea tenax
Carex dissita
Carex forsteri
Carex geminata
Carex lambertiana
Carex lessoniana
Carex maorica (unc)
Carex secta purei
Carex testacea
Carex virgata
Eleocharis acuta
Eleocharis gracilis
Isolepis prolifer
Isolepis reticularis
Schoenus maschalinus
Uncinia uncinata matau a Maui

Rushes and allied plants

Juncus australis
Juncus distegus
Juncus gregiflorus
Juncus pallidus
Juncus planifolius
Juncus sarophorus wiwi

Remaining Monocotyledonous plants

Astelia fragrans
Lemna minor karearea
Phormium tenax harakeke
Typha orientalis raupo

Daisy-like herbs (Composites)

<i>Cotula coronopifolia</i>	bachelors buttons
<i>Gnaphalium gymnocephalum</i>	
<i>Gnaphalium involucratum</i>	
<i>Gnaphalium limosum</i> (unc)	
<i>Senecio biserratus</i>	

Dicotyledonous herbs other than Composites

<i>Acaena anserinifolia</i>	piripiri, bidibidi
<i>Callitriche muelleri</i>	
<i>Cardamine</i> sp. (<i>C. debilis</i> agg.) ("Glossy Leaf" of Pritchard 1957)	
<i>Cardamine</i> sp. (<i>C. debilis</i> agg.) ("Long Style" of Pritchard 1957)	
<i>Cardamine</i> sp. (<i>C. debilis</i> agg.) ("Narrow Petal" of Pritchard 1957)	
<i>Cardamine</i> sp. (aff. <i>C. corymbosa</i>)	
<i>Centella uniflora</i>	
<i>Epilobium insulare</i>	
<i>Epilobium nummulariifolium</i>	
<i>Epilobium pallidiflorum</i>	
<i>Epilobium pedunculare</i>	
<i>Geranium microphyllum</i>	
<i>Hydrocotyle elongata</i> (unc)	
<i>Hydrocotyle heteromeria</i>	waxweed
<i>Hydrocotyle microphylla</i>	
<i>Hydrocotyle moschata</i>	
<i>Hydrocotyle novae zelandiae</i> (2 different entities that key here)	
<i>Mazus novae zelandiae</i> subsp. <i>novae zelandiae</i>	
<i>Nertera depressa</i>	
<i>Oxalis exilis</i>	
<i>Plantago raoulii</i>	tukorehu
<i>Ranunculus amphitrichus</i>	waoriki
<i>Ranunculus glabrifolius</i>	
<i>Ranunculus reflexus</i>	maruru
<i>Ranunculus</i> sp.	
<i>Stellaria decipiens</i>	
<i>Urtica incisa</i>	

Birds:

Blue heron
Eastern rosella
Fantail
Goldfinch
Grey warbler
Kingfisher
Magpie
Marsh harrier
Pukeko
Shining cuckoo
Starling
Tui