

Waikanae Scenic Reserve

Centred on Grid Ref. Topomap R26 & Pt R25 858375

Based on lists compiled by A. P. Druce (1978) and M. C. Wassilieff 1984.

Peter Beveridge, Olaf John, Pat Enright 7/10/00 (3hrs)

unc = uncommon (only one or two specimens seen)

1 = species on original list not seen on current survey

2 = species added to original list

Site description:

This remnant of coastal forest is a little over 5 hectares is securely fenced on three sides with the unfenced side bounded by the NIMT railway line. It is predominantly kohekohe (*Dysoxylum spectabile*) with tawa (*Beilschmiedia tawa*) whitey wood (*Melicactus ramiflorus*) and emergent rewarewa (*Knightia excelsa*) the other species of any numbers. Other species including black maire (*Nestegis cunninghamii*), white maire (*Nestegis lanceolata*) kohuhu (*Pittosporum tenuifolium*), matai (*Prumnopitys taxifolia*), kahikatea (*Dacrycarpus dacrydioides*), Pseudopanax crassifolius and cabbage tree (*Cordyline australis*) are represented by single or very few specimens with little sign of regeneration apart from the wharangi and the black maire. These species are concentrated on the southern and south-western boundaries. This is probably due to the increased moisture available here as the site slopes to the south and the west. Nikau (*Rhopalostylis sapida*) was still noted only as seedlings.

There is a very good description of the site by M.C. Wassilieff in the Wellington Botanical Society's bulletin no. 42 (Sep. 1985) and also in Scenic Reserves of the North Island by M.C. Wassilieff, D.J. Clark and I Gabites. Some interesting comparisons can be made with these surveys and the current survey.

A number of new weed species have made their appearance. Velvety nightshade (*Solanum chenopodioides*), fennel (*Foeniculum vulgare*) and swamp celery (*Apium nodiflorum*) are now well established but restricted to the western shrub boundary and waterway. Of more concern is the presence of pampas grass in the same area and this should be removed.

Some weed and exotic species were not seen and may have been eradicated. These include sycamore (*Acer pseudoplatanus*), himalayan honeysuckle (*Leycesteria formosa*), tree lucerne (*Chamaecytisus palmensis*) and elderberry (*Sambucus nigra*). Old man's beard (*Clematis vitalba*) was seen but only the one small plant, which was removed.

The fern species *Asplenium polyodon*, *A. oblongifolium*, *Arthropteris tenella*, *Microsorium pustulatus* and *Microsorium scandens* are now quite common in the area. Some of the other species not sighted on this trip may well be still present in the centre portion of the reserve, as this area was not as thoroughly scoured as rest of the area. Tree ferns are listed as uncommon by Tony Druce and remain so. Silver fern (*Cyathea dealbata*) was not sighted at all (except for numerous dead trunks) and 2 adult and one juvenile mamaku (*Cyathea medullaris*) were seen. One recruit to the area would appear to be *Diplazium australe* which is reasonably common elsewhere in the district.

Other species which seem to have done well since the area was fenced are rangiora (*Brachyglottis repanda*), *Pseudopanax arboreus* and karaka (*Corynocarpus laevigatus*). Several species were not seen but may have been missed due to very low numbers e.g. large leaved milk tree (*Streblus banksii*) and *Olearia rani*, or may have been shaded out e.g. poroporo (*Solanum aviculare*) and tauhinu (*Ozothamnus leptophyllus*).

Carex geminata and raupo (*Typha orientalis*) have colonised the wet area in the southwestern corner.

Judging by a number of dead possums there appears to be pest control of some kind in place.

Gymnosperm trees and shrubs

Dacrycarpus dacrydioides (unc)	kahikitea
Prumnopitys ferruginea (unc)	miro
Prumnopitys taxifolia (unc)	matai

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus	titoki
Beilschmiedia tawa	tawa
Brachyglottis repanda	rangiora
Coprosma rhamnoides	
Coprosma robusta	karamu
2 Coprosma propinqua x C. robusta (unc)	
Corynocarpus laevigatus	karaka
Dysoxylum spectabile	kohekohe
Elaeocarpus dentatus	hinau
Geniostoma rupestre var. rupestre	hangehange
1 Griselinia lucida (unc)	puka, broadleaf
Hedycarya arborea	porokaiwhiri,
pigeonwood	
Knightsia excelsa	rewarewa
1 Laurelia novae-zelandiae (unc)	pukatea
Macropiper excelsum subsp. excelsum	kawakawa
Melicope ternata (unc)	wharangi
Melicytus ramiflorus	mahoe
Myoporum laetum	ngaio
Myrsine australis (unc)	red matipo
Nestegis cunninghamii	black maire
Nestegis lanceolata (unc)	white maire
1 Olearia rani (unc)	heketara
1 Ozothamnus leptophylla	tauhinu
Pennantia corymbosa	kaikomako
1 Solanum aviculare	poroporo
1 Streblus banksii (unc)(seedlings)	ewe kuri, large
leaved milk tree	
Pittosporum tenuifolium (unc)	kohuhu
Pseudopanax arboreus	
2 Pseudopanax crassifolius (unc)	

Monocotyledonous trees and shrubs

Cordyline australis (unc)	ti, cabbage tree
Rhopalostylis sapida (seedlings)	nikau

Monocotyledonous lianes

1 Freycinetia banksii (unc)	kieke
Ripogonum scandens (unc)	kareao, supplejack

Dicotyledonous lianes and related trailing plants

1 Clematis paniculata (unc)	puawhananga
Metrosideros diffusa	akatea
Metrosideros fulgens	
1 Metrosideros perforata (unc)	akatea
Muehlenbeckia australis	pohuehue
Parsonsia heterophylla	kaihua, N.Z.

jasmine

Psilopsids, Lycopods and Quillworts

Ferns

Arthropteris tenella	
Asplenium bulbiferum	manamana, hen and
chicken fern	
1 Asplenium flabellifolium (unc)	necklace fern
Asplenium flaccidum	makawe, hanging
spleenwort	
Asplenium gracillimum	
2 Asplenium hookerianum	
Asplenium oblongifolium	huruhuruwhenua,
shining spleenwort	
Asplenium polyodon	petako, sickle
spleenwort	
Blechnum filiforme	
1 Cyathea dealbata (unc)	panako, thread fern
Cyathea medullaris (unc)	ponga, silver fern
2 Diplazium australe (unc)	mamaku
Lastreopsis glabella	
Lastreopsis microsora	
1 Lastreopsis velutina	
Microsorium pustulatus	kowaowao, hounds
tongue	
Microsorium scandens	mokimoki, scented
fern	
1 Pellaea rotundifolia (unc)	tarawera, button
fern	
1 Pneumatopteris pennigera	
gully fern	pakauroharoha,
Pteridium esculentum	rauaruhe, bracken
1 Pteris tremula	turawera
Pyrrosia eleagnifolia	ota, leather leaf fern

Orchids

1 Earina mucronata (unc)	peka-a-waka
--------------------------	-------------

Grasses

Microlaena stipoides	patiti
----------------------	--------

Sedges

2 Carex geminata	
Carex virgata	purei
Cyperus ustulatus	
Uncinia uncinata	watu, hook grass

Rushes and allied plants

Juncus sarophorus	
-------------------	--

Remaining Monocotyledonous plants

CollospERMUM hastatum (unc)	kahakaha
2 Typha orientalis	raupo

Daisy-like herbs (Composites)

2 Senecio minimus (unc)

Dicotyledonous herbs other than Composites

Cardamine sp. (*C. debilis* agg.) ("Narrow Petal" of Pritchard 1957)

2 Dichondra repens (unc)

Hydrocotyle moschata

Oxalis exilis

2 Ranunculus reflexus (unc)

2 Solanum americanum

yellow oxalis

Adventives

Dicotyledonous trees and shrubs

1	Acer pseudoplatanus	sycamore
	Berberis glaucocarpa	barberry
1	Chamaecytisus palmensis	tree lucerne
1	Leycesteria formosa	himalayan
	honeysuckle	
	Lycium ferocissimum (unc)	boxthorn
	Phytolacca octandra	inkweed
1	Sambucus nigra	elderberry
	Solanum pseudocapsicum	jerusalem cherry
	Teline monspessulana	montpellier broom

Dicotyledonous lianes and related trailing plants

	Clematis vitalba	old man's beard
1	Rubus fruticosus	blackberry

Psilopsids, Lycopods and Quillworts

Ferns

Grasses

2	Arrhenatherum elatius	tall oat grass
2	Cortaderia selloana	pampas grass
	Dactylis glomerata	cocksfoot
2	Ehrharta erectus	veld grass
2	Holcus lanatus	yorkshire fog

Sedges

Rushes and allied plants

Remaining Monocotyledonous plants

2	Allium triquetrum	onion weed
---	-------------------	------------

Daisy-like herbs (Composites)

	Cirsium vulgare	scotch thistle
	Conyza bilbaoana	fleabane
	Crepis capillaris	hawksbeard
	Hypochaeris radicata	catsear
	Senecio jacobea	ragwort
1	Silybum marianum	variegated thistle
	Sonchus oleraceus	sow thistle

Dicotyledonous herbs other than Composites

2	Apium nodiflorum	swamp celery
	Conium maculatum	hemlock
1	Digitalis purpurea	foxglove
1	Euphorbia peplus	
2	Foeniculum vulgare	fennel
	Fumaria muralis	scrambling fumitory

- Galium aparine
- 1 Lepidium sp.
- Lotus pedunculatus
- 1 Myosotis sylvatica
- not
- Physalis peruviana
- Plantago lanceolata
- Prunella vulgaris
- Ranunculus repens
- 2 Solanum chenopodioides
- Solanum nigrum
- 1 Stellaria media
- Trifolium pratense
- Trifolium repens
- 1 Urtica urens

bedstraw

garden forget-me-

cape gooseberry

selfheal

buttercup

velvety nightshade

nightshade

chickweed

nettle

Birds:

- Blackbird
- Fantail
- Grey warbler
- Native pigeon
- Song thrush