

orchid on db a

# Vascular plants in bush and swamp area on the Pritchard property North of Otaki

Topomap S25 931501 Alt 20m a.s.l.

Pat Enright 20/1/02 (3hrs) (Bush both sides of the top area of swamp and accessible areas of the swamp)

unc = uncommon  
s = swamp area only  
f = fenced area of bush

## Site description:

The area surveyed consists of an area of carex swamp blocked off at one end with a steep banks on both sides. The native bush is fenced on the northern side of the swamp but is grazed on the southern bank and the flat terrace above. The swamp area is too deep to allow botanising with out waders but binoculars were used to scan the vegetation from the banks. Scattered small specimens of kahikatea (*Dacrydium dacrydioides*), manuka (*Leptospermum scoparium*) swamp coprosma (*Coprosma tenuicaulis*) and kohuhu (*Pittosporum tenuifolium*) were growing amongst the carex clumps.

The bush area on the north bank had some large kahikatea as emergents (along with eucalyptus sps.) and an under story of tawa, mahoe (*Melicytus ramiflorus*) and *Melicope simplex*. It is a narrow belt of bush but there were a number of species that were only seen in this area. The other bank had tall titoki (*Alectryon excelsus*) and tawa with *Melicope simplex* and rare coprosma species and milktree (*Streblus heterophyllus*), along with the exotic barberry (*Berberis glaucocarpa*). The terrace had some very large tawa, pukatea (*Laurelia novae-zelandiae*) kohekohe (*Dysoxylum spectabile*) and titoki. The white flowered climbing rata (*Metrosideros perforata*) is quite common on a number of the trees with the larger leafed *Metrosideros diffusa* much less common Other climbers noted were New Zealand jasmine (*Parsonsia heterophyllus*) and passionvine (*Passiflora tetrandra*).

The native grasses *Microlaena stipoides* and hedgehog grass (*Echinopogon ovatus*) were common where grazing pressure was not too great. The fern *Diplazium australe* is much more common here than around Wellington and along with the apparently unpalatable *Parietaria debilis* constitute the main native ground cover plants. There is a lot of Jerusalem cherry (*Solanum pseudocapsicum*), black nightshade (*Solanum nigrum*) and ragwort (*Senecio jacobea*) are the commonest weeds species and form a large part of the taller scrubby layer.

Regeneration of native species is occurring but is selective with less palatable species being favoured and with competition from some of the more vigorous exotic species.

The only orchid species seen at this time was the perching orchid *Earina mucronata* which was seen on several hot trees.

Species of note are as follows.

*Hypolepis distans*. This fern appears to relatively common on *Carex secta* bases and old tree free stumps. It has a very patchy distribution around Wellington.

*Doodia australis*. Another fern with scattered populations in the Wellington and the Wairarapa area. There were 3 or 4 plants in the fenced bush area.

*Epilobium pallidiflorum*. Verification of the species will be required as it was identified from a distance as a large flowered tall epilobium.

## Gymnosperm trees and shrubs

*Dacrycarpus dacrydioides* kahikatea

## Monocotyledonous trees and shrubs

*Cordyline australis* ti kouka, cabbage tree  
*Rhopalostylis sapida* (one small; seedling on the western side of the bush terrace) nikau

## Dicotyledonous trees and shrubs

*Alectryon excelsus* subsp. *excelsus* titoki  
*Beilschmiedia tawa* tawa  
*Coprosma areolata*  
*Coprosma rigida* (unc)  
s *Coprosma robusta* karamu  
s *Coprosma tenuicaulis*  
*Corynocarpus laevigatus* karaka  
*Dysoxylum spectabile* kohekohe  
*Geniostoma rupestre* var. *lingustrifolium* hangehange  
*Griselinia lucida* puka, broadleaf  
*Hedycarya arborea* porokaiwhiri, pigeonwood  
*Knightia excelsa* rewarewa  
*Laurelia novae-zelandiae* pukatea

- s Leptospermum scoparium
- Macropiper excelsum subsp. excelsum
- Melicope simplex
- Melicytus ramiflorus subsp. ramiflorus
- Myrsine australis
- Myoporum laetum (unc)
- Pittosporum tenuifolium
- Pseudopanax crassifolius
- Solanum aviculare
- Solanum laciniatum (unc)
- Streblus heterophyllus (unc)

manuka  
 kawakawa  
 poataniwha  
 mahoe, whitey wood  
 red matipo  
 ngaio  
 kohuhu  
 horoeka, lancewood  
 poroporo  
 poroporo  
 turepo, small leaved milktree

Monocotyledonous lianes

- Freycinetia banksii
- Ripogonum scandens

kiekeie  
 kareao, supplejack

Dicotyledonous lianes and related trailing plants

- Metrosideros colensoi (unc)
- Metrosideros diffusa
- Metrosideros perforata
- Muehlenbeckia australis

akatea  
 pohuehue

Psilopods, Lycopods and Quillworts

Ferns

- Arthropteris tenella
- Asplenium flaccidum
- f Asplenium gracillimum
- Asplenium hookerianum
- f Asplenium oblongifolium (unc)
- Asplenium polyodon
- s Azolla filiculoides
- Blechnum filiforme
- Blechnum fluviatile
- f Blechnum membranaceum
- s Blechnum novae-zelandiae
- Cyathea dealbata
- Cyathea medullaris
- Dicksonia squarrosa
- Diplazium australe
- Histiopteris incisa
- Hypolepis ambigua
- s Hypolepis distans
- Lastreopsis glabella
- Microsorium scandens
- Paesia scaberula
- f Pneumatopteris pennigera
- Pteridium esculentum
- Pteris tremula
- Pyrrhosia eleagnifolia

makawe, hanging spleenwort  
 manamana

huruhuru whenua  
 petako

panako  
 kiwakiwa

kiokio

mamaku  
 wheki

mata, water bracken

kowaowao

pakauroharoha, gully fern  
 rauaruhe, bracken  
 turawera, shaking brake  
 leather-leaf fern

Orchids

- Earina mucronata ✓

peka-a-waka

Grasses

- s Cortaderia toetoe
- Echinopogon ovatus
- Microlaena stipoides

toetoe  
 hedgehog grass

Sedges

- s Carex secta
- s Carex virgata
- s Gahnia sp. (large plant but no seeds and could not access the plant) (unc)

purei

Rushes and allied plants

s Juncus sp.

Remaining Monocotyledonous plants

- f Arthropodium candidum
- Collospermum hastatum (unc)
- s Lemna minor
- s Phormium tenax
- s Typha orientalis

karearea  
harakeke  
raupo

Daisy-like herbs (Composites)

Dicotyledonous herbs other than Composites

- Cardamine sp. (*C. debilis* agg.) ("Long Style" of Pritchard 1957)
- Epilobium pallidiflorum ?
- Hydrocotyle heteromeria
- Hydrocotyle moschata (unc)
- Hydrocotyle novae zelandiae
- Oxalis exilis
- Parietaria debilis

waxweed

## Adventives

### Dicotyledonous trees and shrubs

Berberis glaucocarpa  
Sambucus niger  
Ulex europaeus

barberry  
elderberry  
gorse

### Dicotyledonous lianes and related trailing plants

Clematis vitalba  
Rubus fruticosus

old mans beard  
blackberry

### Psilopsids, Lycopods and Quillworts

### Ferns

### Grasses

Anthoxanthum odoratum  
Dactylis glomerata  
s Festuca arundinacea  
s Holcus lanatus

sweet vernal  
cocksfoot  
tall fescue  
Yorkshire fog

### Sedges

Carex divulsa

### Rushes and allied plants

### Remaining Monocotyledonous plants

### Daisy-like herbs (Composites)

s Bidens frondosa  
Cirsium arvense  
Cirsium vulgare  
Conyza bilbaoana  
Hypochaeris radicata  
Senecio bipinnatisectus  
Senecio jacobea

beggars ticks  
californian thistle  
scotch thistle  
fleabane  
catsear

ragwort

### Dicotyledonous herbs other than Composites

s Anagallis arvensis  
s Apium nodiflorum  
Conium maculatum  
Digitalis purpurea  
Galium aparine  
Lamium purpureum  
Lotus pedunculatus  
s Myosotis laxa subsp. caespitosa  
Plantago lanceolata  
s Polygonum hydropiper  
Prunella vulgaris  
Ranunculus repens  
Rumex crispus  
Sisymbrium officinale  
Solanum chenopodioides  
Solanum nigrum  
Solanum pseudocapsicum  
Stellaria graminea  
Stellaria media  
Trifolium repens  
Vicia sativa

scarlet pimpernal  
water celery  
hemlock  
foxglove  
bedstraw  
red dead nettle  
lotus  
forget-me-not  
narrow leaved plantain  
water pepper  
selfheal  
buttercup  
crisped dock  
hedge mustard  
velvety nightshade  
nightshade  
Jerusalem cherry  
stitchwort  
chickweed  
white clover  
climbing veitch

**Birds:**

blackbird  
fantail  
goldfinch  
kingfisher  
marsh harrier  
magpie  
pukeko



