

Paekakariki

**LIST OF VASCULAR PLANTS IN FENCED BUSH AREA QUEEN
ELIZABETH PARK**

Topomap R26 & Pt R25 761245

Original list C.C. Ogle 01/03/81 & 11/87

Chris Horne, Jane Humble, Lyn Pomare & Daisy, Pat Enright (3hrs) 30/9/00

Pat Enright 6/10/00 (3hrs)

Wellington Botanical Society 7/10/00

unc = uncommon (only 1 or 2 specimens seen)

1 = species not seen on current survey.

2 = addition to original list

This site is a small kahikatea (*Dacrycarpus dacrydioides*) swamp forest remnant with an area of old dunes with sparse kanuka (*Kunzea ericoides*) cover and areas of kanuka covered in pohuehue (*Muehlenbeckia complexa*) and what looks like a hybrid with the larger leaved *M. australis*.

There are some interesting conclusions to be drawn from the differences between the original survey and the current one.

The site would appear to have been much wetter in parts back in 1981. A lot of the species not seen in 2000 are plants of wet areas that have either disappeared altogether or been much reduced in occurrence. Five specimens of swamp maire (*Syzygium maire*) were originally recorded may still be there and growing together in an area that was missed. The whole area has probably been getting drier since the first european settlement with drainage of the wetlands and removal of the original vegetation. This is reflected graphically in this small remnant by the disappearance of species such as *Centipeda cunninghamii*, *Isolepis prolifer* (one small patch in a hole near eastern boundary) and *Polygonum hydropiper*. The juncus species are still growing in the area but the lack of seeding specimens makes species determination difficult in most cases. A lot of the plants look to be juveniles.

A note here about the *Centipeda* species. On the original list it was shown as *C. orbicularis* as it was not known at the time that there were two species, one exotic and the other with a tenuous indigenous status. As the nearest occurrence of known identity is *C. cunninghamii* (Te Hapua Road) this is used in this list. As the species is also recorded from the wetlands at QE2 Park, identification of this species will give the lie to this assumption.

There has been a lot of planting in the area and plants have been locally sourced to maintain the gene pool. Natural regeneration is doing well but slowly. There are several fern and sedge species that are represented by only one or two specimens after nearly twenty years but look healthy enough to survive. Splitting off tillers or offshoots and replanting in sterilised compost or potting mix would give nature a non-invasive hand.

The area is blasted by strong winds at times so the macrocarpas (*Cupressus macrocarpa*) and perhaps what appears to be some mature tasmanian ngaio (*Myoporum insulare*) should be left indefinitely as a wind break although any seedlings should be removed.

The area has plenty of weed species with Solanum species and inkweed (*Phytolacca octandra*) being particularly common. One plant of boneseed (*Chrysanthemoides monilifera*) is flowering in the middle of the clearing and should be dealt to before it sets seed.

Gymnosperm trees and shrubs

Dacrycarpus dacrydioides kahikitea
Prumnopitys taxifolia (unc) matai

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus (unc 3) titoki
Beilschmiedia tawa tawa
Coprosma repens
2 Coprosma rhamnoides
2 Coprosma robusta karamu
2 Coprosma propinqua x C. robusta (unc)
Corynocarpus laevigatus karaka
Dysoxylum spectabile kohekohe
Elaeocarpus dentatus (unc) hinau
Griselinia lucida (unc) puka, broadleaf
Knightia excelsa (unc) rewarewa
Kunzea ericoides kanuka
Laurelia novaezelandiae pukatea
Leptospermum scoparium manuka
Lophomyrtus bullata (unc) ramarama
2 Macropiper excelsum subsp. excelsum kawakawa
Melicytus ramiflorus mahoe
Myoporum laetum ngaio
Myrsine australis (unc) red matipo
Pennantia corymbosa kaikomako
Solanum laciniatum poroporo
Streblus banksii (unc) towai, large
leaved milk tree
Streblus heterophyllus (unc) turepo, small
leaved milk tree
1 Syzygium maire (5 seen) swamp maire

Monocotyledonous trees and shrubs

Cordyline australis ti, cabbage tree

Monocotyledonous lianes

Ripogonum scandens kareao,
supplejack

Dicotyledonous lianes and related trailing plants

2 Metrosideros diffusa akatea
Metrosideros perforata pohuehue
Muehlenbeckia australis pohuehue
Muehlenbeckia complexa
Muehlenbeckia australis x M. complexa
Parsonia heterophylla kaihua, N.Z.
jasmine
Tetragona trigyna native spinach

Psilopsids, Lycopods and Quillworts

Ferns

- 2 *Asplenium appendiculatum* subsp. *maritimum* (unc)
 Asplenium flaccidum
spleenwort hanging
- 2 *Asplenium hookerianum* (unc)
2 *Asplenium oblongifolium* (unc)
shining spleenwort huruhuruwhenua,
- 2 *Asplenium polyodon* (unc)
spleenwort petako, sickle
- 2 *Asplenium flaccidum* x *A. hookerianum* (unc)
2 *Blechnum filiforme* (unc)
thread fern
- 2 *Cyathea dealbata* (unc)
2 *Histiopteris incisa*
bracken ponga, silver fern
 mata, water
- Hypolepis ambigua*
- 2 *Microsorium pustulatum*
hounds tongue kowaowao,
- 2 *Microsorium scandens* (unc)
scented fern mokimoki,
- 2 *Paesia scaberula*
fern matata, scented
- 2 *Pteridium esculentum* (unc)
 Pteris tremula (unc)
brake rauaruhe, bracken
 turawera, shaking
- Pyrrosia eleagnifolia*
fern ota, leather-leaf
- 2 *Rumohra adiantiformis* (unc)

Orchids

Grasses

- Cortaderia fulvida* (planted?)
Microlaena stipoides

Sedges

- 2 *Carex dissita* (unc)
2 *Carex flagellifera*
 Carex geminata
 Carex virgata
 Cyperus ustulatus
 Eleocharis acuta
 Isolepis prolifer (unc)

Rushes and allied plants

- 1 *Juncus australis*
 Juncus gregiflorus
1 *Juncus pallidus*
2 *Juncus planifolius*
 Juncus sarophorus

Remaining Monocotyledonous plants

- Phormium tenax* (planted ?) harakeke, flax

Daisy-like herbs (Composites)

Dicotyledonous herbs other than Composites

- 2 Centella uniflora (unc)
 - 2 Dichondra repens
 - Hydrocotyle moschata
 - Hydrocotyle novae zelandiae agg.
 - 2 Leptostigma setulosa
 - 1 Myriophyllum propinquum
 - 2 Oxalis exilis
 - Parietaria debilis
- water milfoil
yellow oxalis

Adventives

* = native but not to the area

Dicotyledonous trees and shrubs

2	<i>Chamaecytisus palmensis</i> (originally planted)	tree lucerne
	<i>Chrysanthemoides monilifera</i> (unc)	boneseed
	<i>Cupressus macrocarpa</i>	macrocarpa
2	<i>Hypericum androsaemum</i> (unc)	tutsan
	<i>Lupinus arboreus</i>	tree lupin
2	<i>Myoporum insulare</i>	tasmanian ngaio
	<i>Phytolacca octandra</i>	inkweed
*2	<i>Pittosporum crassifolium</i>	karo
	<i>Sambucus nigra</i>	elderberry
	<i>Ulex europaeus</i>	gorse

Dicotyledonous lianes and related trailing plants

2	<i>Fumaria muralis</i>	scrambling
	fumitory	
2	<i>Physalis peruviana</i>	cape gooseberry
	<i>Rubus fruticosus</i>	blackberry
	<i>Vicia sativa</i>	climbing veitch

Psilopsids, Lycopods and Quillworts

Ferns

Grasses

	<i>Agrostis stolonifera</i>	creeping bent
	<i>Agrostis tenuis</i>	browntop
	<i>Anthoxanthum odoratum</i>	sweet vernal
	<i>Arrhenatherum elatius</i>	tall oat grass
	<i>Cynosurus cristatus</i>	crested dog's tail
	<i>Dactylis glomerata</i>	cocksfoot
	<i>Ehrhata erecta</i>	veld grass
	<i>Holcus lanata</i>	yorkshire fog

Sedges

Rushes and allied plants

1	<i>Juncus articulatus</i>	
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Remaining Monocotyledonous plants

	<i>Zantedeschia aethiopica</i>	arum lily
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Daisy-like herbs (Composites)

	<i>Cirsium arvense</i>	californian thistle
	<i>Cirsium vulgare</i>	scotch thistle
	<i>Conyza bilbaoana</i>	fleabane
	<i>Crepis capillaris</i>	hawksbeard
	<i>Hypochaeris radicata</i>	catsear

Senecio bipinnatisectus
Senecio jacobea
Sonchus oleraceus

ragwort
sow thistle

Dicotyledonous herbs other than Composites

- 2 Apium nodiflorum
- 2 Cardamine flexuosa
Carduus tenuiflorus
- 1 Centipeda cunninghamii
Cerastium glomeratum
chickweed
Digitalis purpurea
Galium aparine
- 2 Galium palustre
- 1 Geranium molle
Geranium robertianum
Lotus peduncularis
- 1 Mentha pulegium
- 2 Ranunculus repens
- 2 Plantago lanceolata
- 2 Plantago major
- 1 Polygonum hydropiper
Rumex crispus
Rumex conglomeratus
- 2 Solanum chenopodioides
Solanum nigrum
Solanum pseudocapsicum
Stellaria media
- 1 Trifolium dubium
Trifolium repens

water celery

winged thistle
sneezeweed
mouse eared

foxglove
bedstraw
marsh bedstraw
soft doves foot
herb robert

pennyroyal
buttercup

water pepper
curled dock
dock
velvet nightshade
nightshade
jerusalem cherry
chickweed
suckling clover
white clover

Birds:

Fantail
Grey warbler
Pukeko
Tui

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