

## Checklist of indigenous vascular plants seen at: Forest Flat Reserve

Orchids on base. ✓

Grid Ref.: NZMS 260 T25 594 567

Altitude 180m.asl

Visited: 13 September 1999, T. Silbery, A. Rebergen

Time on site: 4½ hours

### LIST # 36

Site description:

The site is on the west bank of the Tiraumea River, generally facing south.

The base rock is mudstone. At the eastern end of the reserve there are some deeply incised small streams cutting through a steep slope rising to a ridge. The topography in the western end is less steep with gentler crests to the leading ridges along with shallow gully heads and some relatively flat areas.

There is a small area of river flat, but the vegetation here is the most damaged in the reserve. Here, past disturbance has been compounded by repeated flooding and a number of weeds have established and appear to be persisting. Pasture grasses predominate, but ivy (*Hedera helix*), stinking iris (*Iris foetidissima*) and willow (*Salix sp.*) are present.

There are a number of small, spindly blackberry plants throughout, probably a remnant from former grazing damage and in decline, as opposed to active invaders, but their presence means that any disturbance to the canopy and understorey will allow the spread of the weed to be both rapid and over a large area.

Though the abundance of ferns and mosses in the understorey, and the presence of some larger epiphytes, point to moist conditions, the ridge crests are surprisingly dry. The presence here of *Arthropodium candidum* and *Libertia ixioides* was a feature. Totara (*Podocarpus totara*) and kahikatea (*Dacrydium dacrydioides*) seedlings were also a feature of these sites.

Dominant trees were totara, kahikatea, matai (*Prumnopitys taxifolia*), often as large trees, with rimu (*Dacrydium cupressinum*) and miro (*Prumnopitys ferruginea*) occasionally present. Lancewood (*Pseudopanax crassifolius*), tawa (*Beilschmiedia tawa*), mahoe (*Melicactus ramiflorus*), and kanuka (*Kunzea ericoides*) are common associates.

There was an electric fence on at least part of the boundary and no sign of recent stock trespass.

Search effort

Recce

Moderate

Thorough

Nomenclature generally follows Indigenous Higher Plants of New Zealand, 8th revision, 1992 by A.P. Druce

\* indicates species listed on the Wellington Conservancy plant database

(unc) = uncommon, one or few plants seen.

### **Gymnosperm trees and shrubs**

*Dacrycarpus dacrydioides*\*

*Dacrydium cupressinum*

*Podocarpus totara*\*

*Prumnopitys ferruginea*

*Prumnopitys taxifolia*

### **Monocotyledonous trees and shrubs**

*Cordyline australis*\*

### **Dicotyledonous trees and shrubs**

*Alectryon excelsus* var. *excelsus*

*Aristotelia serrata*

*Beilschmiedia tawa*

*Brachyglottis repanda*

*Carmichaelia australis*

*Carpodetus serratus*

*Coprosma areolata*

*Coprosma grandifolia*

*Coprosma rhamnoides*

*Coprosma rigida*\*

*Coprosma robusta*

*Coprosma rotundifolia*

*Coprosma rubra*

*Elaeocarpus dentatus*

*Fuchsia excorticata*\*

*Fuchsia excorticata* × *F. perscandens*

*Geniostoma ligustrifolium*

*Hebe stricta* var. *atkinsonii*

*Hedycarya arborea*

*Hoheria populnea* var.

*Hoheria sixtylosa*

Knightsia excelsa  
Kunzea ericoides  
Leptospermum scoparium  
Leucopogon fasciculatus  
Lophomyrtus obcordata\*  
Melicope simplex\*  
Melicytus micranthus\*  
Melicytus ramiflorus subsp. ramiflorus  
Myrsine australis  
Neomyrtus pedunculata\*  
Nestegis cunninghamii\*  
Nestegis lanceolata  
Nestegis montana\*  
Olearia rani var. colorata  
Pennantia corymbosa  
Pittosporum eugenioides  
Pittosporum tenuifolium\*  
Plagianthus regius  
Pseudopanax crassifolius  
Raukua anomalus  
Schefflera digitata  
Solanum laciniatum  
Sophora microphylla  
Streblus heterophyllus  
Urtica ferox

### **Monocotyledonous lianes**

### **Dicotyledonous lianes and related trailing plants**

Calystegia tuguriorum  
Clematis foetida  
Fuchsia perscandens\*  
Metrosideros colensoi  
Metrosideros diffusa  
Muehlenbeckia australis\*  
Parsonia capsularis  
Parsonia heterophylla  
Passiflora tetrandra  
Rubus cissoides

### **Psilopsids, Lycopods and Quillworts**

## **Ferns**

Adiantum cunninghamii  
Asplenium bulbiferum  
Asplenium flaccidum  
Asplenium hookerianum  
Asplenium oblongifolium  
Asplenium polyodon  
Blechnum chambersii  
Blechnum filiforme  
Blechnum fluviatile  
Blechnum novae-zelandiae  
Cyathea dealbata  
Dicksonia fibrosa\*  
Dicksonia squarrosa  
Hymenophyllum demissum  
Hypolepis ambigua  
Hypolepis millefolium  
Hypolepis ambigua x H. rufobarbata  
Hypolepis sp. (Large triangular fronds (H. dicksonioides?))  
Lastreopsis glabella  
Leptopteris hymenophylloides  
Pellaea rotundifolia  
Phymatosorus pustulatus  
Pneumatopteris pennigera  
Polystichum richardii  
Pteridium esculentum  
Pteris tremula  
Pyrrhosia eleagnifolia

## **Monocotyledonous herbs:**

### **Orchids**

Earina autumnalis ✓  
Earina mucronata ✓

### **Grasses**

Cortaderia sp. (young plants only seen)  
Microlaena avenacea  
Microlaena polynoda\*  
Poa anceps ssp. anceps

## **Sedges**

Carex geminata  
Carex secta\*  
Carex virgata\*  
Isolepis reticularis  
Uncinia uncinata

## **Rushes and allied plants**

### **Monocotyledonous herbs other than orchids, grasses, sedges, rushes and allied plants**

Arthropodium candidum  
Astelia fragrans  
Collospermum microspermum  
Libertia ixioides

### **Dicotyledonous herbs - composites**

Senecio minimus  
Senecio sp. (large purple stained leaves)

### **Dicotyledonous herbs other than composites**

Acaena anserinifolia  
Australina pusilla  
Cardamine sp. (*C. debilis* agg.) ("Long Style" of Pritchard 1957)  
Cardamine sp. (unnamed; aff. *C. corymbosa*)  
Epilobium insulare  
Haloragis erecta  
Hydrocotyle elongata  
Hydrocotyle heteromeria  
Hydrocotyle novae-zelandiae\*  
Oxalis exilis  
Pratia angulata  
Ranunculus reflexus  
Stellaria decipiens  
Urtica incisa