

Dentons Bush
Proposed Covenant

Study Area D 18.7.96
GRID REFERENCE: NZMS 260 ~~525~~ 525

Podocarps
Dacrydium cupressinum
Prumnopitys ferruginea

Dicot trees and shrubs
Beilschmiedia tawa
Coprosma grandifolia
Melicytus ramiflorus subsp ramiflorus
Elaeocarpus dentatus
Weinmannia racemosa
Coprosma rotundifolia
Carpodetus serratus
Gaultheria
Geniostoma rupestre var ligustrifolium
Griselinia lucida
Knightia excelsa
Hedycarya arborea
Myrsine australis
Lophomyrtus bullata
Scheffiera digitata
Pseudowintera axillaris
Nestegis lanceolata
Myrsine salicina
Melicytus lanceolata
Pseudowintera colorata
Solanum aviculare
Coprosma foetidissima

Fern Allies
Lycopodium scariosum
Timesiptons tannerisis

Ferns
Dicksonia squarrosa
Cyathea smithii
Blechnum discolor
Blechnum ex capense
Cyathea medullaris
Phymatosorus pustulosus
Asplenium ployodon
Asplenium flaccidum
Asplenium bulbiferum

Rumohra adiantiformis
Lastreopsis hispida
Blechnum filiforme
Blechnum nigrum
Trichomanes endlicherianum
Hymenophyllum revolutum
Blechnum fluviatile
Blechnum chambersii
Hymenophyllum demissum
Cyathea dealbata
Trichomanes reniforme
Grammitis billardierii
Hymenophyllum bivalve
Hymenophyllum ferrugineum
Pellaea rotundifolia
Leptopteris hymenophylloides
Lindsaea viridis
Pteridium esculentum
Trichomanes venosum

Dicot lianes
Metrosideros fulgens
Metrosideros fertorata
Rubus cissoides
Clematis paniculata

Dicot herbs
Pratia angulata
Nertera depressa

Monocot herbs
Dianella nigra
Astelia solandri

Sedges
Gahnia pauciflora
Isolepis habra
Uncinia uncinata

Rushes
Juncus gregiflorus

Grasses

Microlaenia arenacea

Orchids

Earina mucronata

Monocot lianes

Freyanettia baueriana subsp banksii

Ripogonum scandens

69 native spp

7 naturalised

Adventures .

Dicot trees and shrubs

Ulex europaeus

Solanum nigrum

Dicot herbs

Digitalis purpureus

Ranunculus repens

Senecio jacobaea

Grasses

Dactylus glomocata

Holcus lanata

STUDY AREA D

This area is known as "Dentons Bush" is situated to the north of areas A, B & C. It is typical of lowland tawa-kamahi forest, and has very few emergent podocarps, (probably due to logging in the past). The understorey has been more heavily impacted by browsing animals (deer, possums, cattle?) in this study area, and is dominated by Ripogonum scandus. Sapling tawa are abundant suggesting the site will regenerate, and Blechnum discolor is common. Other understorey spp occur sporadically. Sapling miro, rimu and hinau were also recorded.

Of the four study areas, this one contains a number of plants not found in the others. There are Lindsaea viridis, Meliccytus lanceolatus, porporo, and Isolepis habra; these plants occur commonly throughout the western Tararua Range.

Wildlife recorded was limited, with Australasia harrier, grey warbler, silvereye and magpie being the only bird species seen or heard. Evidence of deer or possums was also noted.

| Study Area | A | B | C | D |
|------------------------------|--|--------------------------------------|--------------------------------|---------------------------|
| Size | Low | High | Moderate | Mod-high |
| Species Richness (Diversity) | 87 native spp Moderate high | 111 native spp high | 80 native spp Moderate-high | 69 native spp Moderate |
| Naturalness | Moderate | Mod-high | High | Moderate-high |
| Rarity/special features | High confirmed <u>Powelliphanta traversii</u> records* | High <u>Molopsida cordipennes</u> ** | Don't know | Don't know |
| Buffering | Low | Moderate-high | High | Moderate |
| Representativeness | Mod-high | Mod-high | High | Moderate-high |
| Corridor | HIGH | HIGH | HIGH | LOW |
| Rank | | 2 | 1 | 3 |

* Powelliphanta traversii was recorded here. One dead and possibly possum damaged shell was collected for measurement. No other specimens were recorded.

** Molopsida cordipennes is a ground beetle (Carabidae), discovered and described from Mount Quoin in 1912. Circa five specimens have been subsequently found in the western part of Tararua e.d. and Manawatu Gorge south ed. One of these records was from study area B. (J I Townsend, pers comm).

| Threats | A | B | C | D |
|------------------|---|---|---------------------------------|----------------------------|
| Browsing animals | High: Cattle, Sheep, deer possums | Moderate: Deer, possums | Moderate: Deer, possums | Moderate: Deer, possums |
| Needs | Moderate-high 18 naturalised spp. This area contains pasture and river gravels. These areas contain a number of weed species | Moderate-high 25 naturalised spp. Presence of significant weed threats eg <u>Borberis darwinii</u> | low/moderate 11 naturalised spp | Moderate 7 naturalised spp |