

Field Trip: Waitoki, Property of Sandra and Robin Court, Horseshoe Bush Rd. 19/04/03

Leslie Haines & Carol Lockett

It is always a privilege to be invited to explore native bush on private land. One of the most interesting aspects about this property was the range of ages of bush fragments regenerating after protection. Of the 18 ha, approximately half is in grass, 2 ha has minimal grazing up until the present, 3 ha was fenced in 1974 and 4ha in 1985. There were two indicators of the different stages of regeneration: the presence of manuka/kanuka, and the health of the understorey strata and number of species present after the removal of grazers.

The area is mainly taraire forest with matai, kauri, puriri, and totara. There were four tree ferns: the common *Cyathea dealbata*, *C. medullaris* and also *Cyathea smithii* with *Dicksonia squarrosa* in the gullies. Small-leaved plants were of interest: *Melicytus microphyllus*, *Coprosma arborea*, and we found one small *Streblus heterophylla*.

Peter White focused on fungi as usual and found a nice group of white oyster mushroom (*Pleurotus djamor*) on a dead cabbage tree. Horsehair fungus (*Crinipelis procera*) was common on leaf litter in broadleaf forest. The introduced orange pore fungus (*Favolaschia calocera*) was commonly seen on decaying wood on the forest floor. He has identified a number of fungi listed below.

Carol Lockett collected some lichens for the fledgling UNITEC herbarium and with Dan Blanchon identified 17 different species (some only to genus level).

Thanks to Sandra and Robin for permission to collect the specimens.

We worked harder physically than usual for a Botsoc fieldtrip: the bush has very little defined tracks and so we followed areas of interest. We explored ridges, gullies and swampy patches. This resulted in scrambling up steepish slopes, and the pace was faster than we're used to.

The bird life was a treat with big fat tui, silvereyes, fantails, and grey warblers. Though unseen on this trip, there are tomtits and a bellbird has visited. Sandra and Robin's house sits on a plateau near Dairy Flat and overlooks the lower west Rodney district, north of the Waitakere Ranges. We were rewarded with hot soup and scones at lunchtime, and shelter from the only rain of the day.

Those who were there: Enid Asquith (Leader), Paul Asquith, Harry Beacham, Lisa Clapperton, Robin Court, Sandra Court, Anne Grace, Leslie Haines, (recorder), Fran Hintz, Sandra Jones, Carol Lockett, Alistair McArthur, Elaine Marshall, Helen Preston-Jones, Juliett Richmond, Doug Shaw, Shirley Smith, Evan Ward, Peter White, Mike Wilcox, Maureen Young.

Thanks to Enid for leadership and Mike for collecting names, and all of those who added to the species list below. And special thanks to Sandra and Robin for making their property and themselves available to us.

Ferns

Adiantum aethiopicum
Anarthropteris lanceolata
Asplenium bulbiferum
Asplenium flaccidum
Asplenium lamprophyllum
Asplenium oblongifolium
Asplenium polyodon
Blechnum chambersii
Blechnum discolor
Blechnum filiforme
Blechnum fluviatile
Blechnum fraseri
Blechnum membranaceum
Blechnum novae-zelandiae
Cyathea dealbata
Cyathea medullaris
Cyathea smithii
Deparia petersenii subsp. *congrua*
Dicksonia squarrosa
Diplazium australe
Histiopteris incisa
Huperzia varia

Hymenophyllum demissum
Hymenophyllum dilatatum
Hymenophyllum flabellatum
Hymenophyllum lyallii
Hymenophyllum revolutum
Hymenophyllum sanguinolentum
Hymenophyllum scabrum
Hypolepis distans
Lastreopsis glabella
Lastreopsis hispida
Leptopteris hymenophylloides
Lindsaea trichomanoides
Lygodium articulatum
Microsorium pustulatum
Microsorium scandens
Paesia scaberula
Pneumatopteris pennigera
Pteridium esculentum
Pteris tremula
Pyrrosia eleagnifolia
Tmesipteris elongata
Tmesipteris lanceolata

Tmesipteris tannensis
Trichomanes elongatum
Trichomanes reniforme
Trichomanes venosum

Gymnosperms

Agathis australis
Dacrycarpus dacrydioides
Dacrydium cupressinum
Phyllocladus trichomanoides
Podocarpus totara
Prumnopitys ferruginea
Prumnopitys taxifolia

Dicotyledons

Acaena novae-zelandiae
Alectryon excelsus
Alseuosmia macrophylla
Aristolelia serrata
Beilschmiedia tarairi
Beilschmiedia tawa
Callitriche muelleri

Carpodetus serratus
Centella uniflora
Clematis paniculata
Clianthus puniceus (planted)
Coprosma arborea
Coprosma areolata
Coprosma lucida
Coprosma rhamnoides
Coprosma robusta
Corynocarpus laevigatus
Dichondra repens
Dysoxylum spectabile
Epilobium rotundifolia
Fuchsia excorticata
Geniostoma ligustrifolium
Griselinia lucida
Hedycarya arborea
Knightia excelsa
Kunzea ericoides s.l.
Laurelia novae-zelandiae
Leptospermum scoparium
Leucopogon fasciculatus
Macropiper excelsa (planted)
Melicytus macrophyllus
Melicytus micranthus
Melicytus ramiflorus
Metrosideros diffusa
Metrosideros fulgens
Metrosideros perforata
Mida salicifolia
Myrsine australis
Myrsine salicina
Nertera dichondrifolia
Nestegis lanceolata
Olearia rani
Parsonsia heterophylla
Passiflora tetrandra
Pittosporum tenuifolium
Pseudopanax arboreus
Pseudopanax crassifolius
Pseudopanax lessonii
Ranunculus reflexus
Rubus australis
Rubus cissoides
Schefflera digitata
Senecio minimus
Sophora microphylla

Streblus heterophyllus
Vitex lucens

Monocotyledons

Acianthus sinclairii
Astelia solandri
Carex lambertiana
Carex lessoniana
Carex punctata
Carex solandri
Carex virgata
Collospermum hastatum
Cordyline australis
Cordyline pumilio
Corybas (Singulariybas) oblongus
Dianella nigra
Drymoanthus adversus
Earina mucronata
Eleocharis acuta
Eleocharis gracilis
Freycinetia banksii
Gahnia pauciflora
Gahnia setifolia
Gahnia xanthocarpa
Isolepis reticularis
Juncus edgariae
Microlaena avenacea
Microlaena stipoides
Oplismenus hirtellus subsp.
imbecillis
Phormium tenax
Pterostylis agathicola
Pterostylis (Diplodium) alobula
Rhopalostylis sapida
Ripogonum scandens
Schoenus tendo
Uncinia banksii
Uncinia uncinata
Uncinia zotovii
Winika (Dendrobium) cunninghamii

Mosses (preliminary list)

Campilopus piriformis
Camptochaete arbuscular
Dicranoloma billardierei
Dicranoloma ? fasciatum
Dicranoloma menziesii

Hyptopterygium arcuatum
Hypnodendron colensoi
Leptostomum macrocarpum
Leucobryum candidum
Macromitrium sp.
Ptychomnium aciculare
Wijkia extenuata

Fungi

Amanita nehuta
Calocera sp.
Crepidotus sp. (white, cap 10mm width, on twig)
Crinipellis procera
Favolaschia calocera (introduced)
Hygrocybe sp. (small yellow cup)
Ganoderma aff. *applanatum*
Gymnopilus junonius
?Lachnum sp. (small yellow cup)
Mycena uru (M. miniata)
Pleurotus djamor (P. opuntiae)
Podoscypha petalodes
Russula acrolamellata
 And a small white cup fungus on mamaku debris sent to Landcare for identification.

Lichens

Caldina confusa
Cladonia sp.
Hetrodermia leucomelos
Hypogymnia lugubris
Menegazzia foraminulosa
Parmotrema chinense
Pertusaria sp.
Physcia sp.
Pseudocyphellaria carpoloma
Punctelia ? rudecta
Ramalina celastri
Rimelia cetrata
Rimelia reticulata
Stricta sp.
Stricta sp.
Stricta sp.
Teloschistes xanthorioides
Usnea sp.

Field Trip: Logues Bush, Tomarata. 19/07/03

Vivienne Paterson

Twenty-one of us started our botanising in the few metres between our vehicles and the bridge. Within a few meters eight species of divaricating shrub were found: *Coprosma arborea*, *C. rhamnoides*, *C. rigida*, *C. rotundifolia*, *Carpodetus serratus*, *Melicytus micranthus*, and *Melicope simplex*. We eventually crossed the bridge, and made a side-trip to look at a

boggy area where Harry swiftly located a fine specimen of the elusive black maire (*Nestegis cunninghamii*). A clump of rarely seen *Adelopetalum tuberculatum* was found on a fallen branch.

On the way back to the track we discovered several good patches of ground orchids. An hour or so after