

"SKYLAND" - A LOWLAND REMNANT

Graeme Jane

The September 2003 field trip, at the instigation of Stephen Parr, the local QE II representative, visited "Skyland", a lowland remnant on Grammar Road in the foothills behind Katikati. The area is divided in two by a ridge and road. As usual, the nearest locals arrived at the meeting place near the house late, in time to miss most of the introductions and strategy discussions! The area is largely untracked so a bush-bashing day was in store.

In the morning, we headed up the road and into the headwaters of a southern stream. The road provided good opportunities to get an overview of the area, revealing many emergent rewarewa (*Knightia excelsa*), kauri (*Agathis australis*), northern rata (*Metrosideros robusta*), rimu (*Dacrydium cupressinum*) and the odd *Pinus pinaster*, over a mixed canopy of kamahi (*Weinmannia racemosa*), tawa (*Beilschmiedia tawa*) and pigeonwood (*Hedycarya arborea*). Along the roadside *Pomaderris phyllicifolia* and *P. kumerabo* on the bare clays (with gorse and hakea) formed a prominent fringe to seral and understorey plants such as mahoe (*Melicytus ramiflorus*), toru (*Toronia toru*), heketara (*Olearia rani*), and New Zealand privet (*Geniostoma rupestre*). Soon we were heading into the thick of it, to a kauri spur we had spotted. As we crossed the stream, the rumpled leaves of ramarama (*Lophomyrtus bullata*) caught our attention and a good range of ferns were seen, including masses of *Hymenophyllum rarum* and *H. flabellatum*.

The thrash onto the ridge revealed tanekaha (*Phyllocladus trichomanoides*) quintinia (*Quintinia serrata*), tawari (*Ixerba brexioides*), and miro (*Prumnopitys ferruginea*). Amongst the toropapa (*Alseuosmia macrophylla*) by a large old kauri stump I was beaten to finding the kauri green hood (*Pterostylis agathicola*) in flower. Nearby though, I had the satisfaction of finding the small perching orchid, *Drymoanthus adversus*. The bash back to the road through tangles of the busman's mattress fern, mangemange (*Lygodium articulatum*) broke

out into a more open area by the stream under mahoe where the ground was covered by *Blechnum filiforme* with clumps of *Trichomanes elongatum* along the stream.

After a pleasant lunch in the sun by the house, the afternoon was spent up a nearby gully on a route to large totara. This area was less disturbed, with lots of supplejack (*Ripogonum scandens*) and kiekie (*Freycinetia banksii*) off the track and large pukatea (*Laurelia novae-zeelandiae*) overhead with perching puka (*Griselinia lucida*) and *Huperzia varia*. New species included trees such as mangao (*Litsea calicaris*) and kohekohe (*Dysoxylum spectabile*) and wet loving ferns such as *Asplenium bulbiferum* in abundance. On the descent from the huge totara, debate raged over the identity of a large tree. Finally it was resolved to be two trees, a large puriri (*Vitex lucens*) with a much smaller kohekohe entangled beneath.

The return followed the other side of the stream, in drier forest, where we found *Trichomanes endlicherianum* (as always, forming a mat on a large rock) and *Tmesipteris sigmatifolia*, with its curved, spiny tipped leaves on the tree fern (*Dicksonia squarrosa*, wheki).

Many thanks to Robyn Walters for the opportunity to visit "Skyland" and guiding us to points of interest.

SKYLAND VASCULAR PLANT SPECIES LIST

Graeme Jane

Gymnosperm trees and shrubs

<i>Agathis australis</i>	Kauri
<i>Dacrydium cupressinum</i>	Rimu, red pine
<i>Phyllocladus trichomanoides</i>	Tanekaha; celery pine
* <i>Pinus pinaster</i>	Maritime pine
* <i>Pinus radiata</i>	Monterey pine; radiata
<i>Prumnopitys ferruginea</i> (<i>Podocarpus ferrugineus</i>)	Miro

Monocotyledonous trees and shrubs

<i>Cordyline banksii</i>	Forest cabbage tree
<i>Cordyline pumilio</i>	Ti rauriki; dwarf cabbage tree
<i>Rhopalostylis sapida</i>	Nikau

Dicotyledonous trees and shrubs

<i>Alseuosmia macrophylla</i>	Toropapa;
<i>Aristotelia serrata</i>	Wineberry; makomako
<i>Beilschmiedia tawa</i>	Tawa
<i>Brachyglottis repanda</i>	Rangiora; bushmans friend
<i>Coprosma arborea</i>	Mamangi; tree coprosma
<i>Coprosma grandifolia</i> (<i>C. australis</i>)	Raurekau; kanono; mamono
<i>Coprosma lucida</i>	Karamu; shining karamu
<i>Coprosma robusta</i>	Karamu
<i>Coriaria arborea</i>	Tree tutu
<i>Corynocarpus laevigatus</i>	Karaka; kopi
<i>Dysoxylum spectabile</i>	Kohekohe
<i>Elaeocarpus dentatus</i>	Hinau

* <i>Erica arborea</i>	Tree heath
<i>Fuchsia excorticata</i>	Fuchsia; kotukutuku
<i>Gaultheria antipoda</i>	Snowberry; tawiniwini
<i>Geniostoma rupestre</i> var. <i>ligustrifolium</i>	Hangehange; privet
<i>Griselinia lucida</i>	Puka
* <i>Hakea salicifolia</i> (<i>H. saligna</i>)	Willow-leaved hakea
<i>Hebe stricta</i>	Koromiko
<i>Hedycarya arborea</i>	Pigeonwood; porokaiwhiri
<i>Ixerba brexioides</i>	Tawari
<i>Knightia excelsa</i>	Rewarewa; NZ honeysuckle
<i>Kunzea ericoides</i> (<i>Leptospermum</i>)	Kanuka; white teatree
<i>Laurelia novae-zeelandiae</i>	Pukatea
<i>Leptecophylla juniperina</i> (<i>Cyathodes</i> , <i>Styphelia</i> , <i>C. acerosa</i>)	Prickly mingimingi
<i>Leucopogon fasciculatus</i> (<i>Styphelia</i> ; <i>Cyathodes fasciculata</i>)	Mingimingi; kaikaitau
* <i>Leycesteria formosa</i>	Himalayan honeysuckle
<i>Litsea calicaris</i>	Mangeo
<i>Lophomyrtus bullata</i>	Ramarama
<i>Macropiper excelsum</i>	Kawakawa; pepper tree
<i>Melicytus ramiflorus</i>	Mahoe
<i>Metrosideros robusta</i>	Northern rata
<i>Mida salicifolia</i>	Willow-leaved maire
<i>Myrsine australis</i>	Red matipo; mapou
<i>Nothofagus truncata</i>	Hard beech; tawhairaunui
<i>Olearia furfuracea</i>	Akepiro
<i>Olearia rani</i>	Heketara
<i>Pomaderris kumeraho</i>	Kumarahou; golden taunui
<i>Pomaderris phyllicifolia</i>	
<i>Pseudopanax arboreus</i> (<i>Neopanax arboreum</i>)	Five finger; puhou; whaupaku
<i>Pseudopanax crassifolius</i>	Lancewood; horoeka
<i>Pseudowintera axillaris</i>	Horopito

<i>Quintinia serrata</i> agg (<i>Q. acutifolia</i> ; <i>Q. elliptica</i>)	Tawheowheo
<i>Raukawa edgerleyi</i> (<i>Pseudopanax</i>)	Raukawa
<i>Schefflera digitata</i>	Pate; patae; kotete
<i>Solanum aviculare</i> agg (<i>S. cheesemani</i>)	Poroporo
* <i>Teline monspessulana</i> (<i>Cytisus</i> ; <i>C. candicans</i>)	Montpellier broom
<i>Toronia toru</i> (<i>Persoonia</i>)	Toru
* <i>Ulex europaeus</i>	Gorse
<i>Vitex lucens</i>	Pururi; kauere
<i>Weinmannia racemosa</i>	Kamahi
 <u>Monocotyledonous lianes</u>	
<i>Freycinetia banksii</i> (<i>F. baueriana</i> var)	Kiekie
<i>Ripogonum scandens</i>	Supplejack; kareao
 <u>Dicotyledonous lianes and related trailing plants</u>	
<i>Clematis paniculata</i>	Clematis; puawhananga
<i>Metrosideros diffusa</i>	White climbing rata; akatea
<i>Metrosideros fulgens</i>	Scarlet rata; winter rata
<i>Metrosideros perforata</i>	Aka; small white rata; torotoro
<i>Parsonsia heterophylla</i>	Maori jasmine; kaihu; kaiwhiria
<i>Passiflora tetrandra</i> (<i>Tetraphathaea</i>)	Passionfruit; kohia
<i>Rubus cissoides</i>	Bush lawyer; tataramoa
 <u>Psilopsids, Lycopods & Quillworts</u>	
<i>Huperzia varia</i> (<i>Lycopodium varium</i>)	Hanging clubmoss; iwituna
<i>Lycopodiella cernua</i> (<i>Lycopodium cernuum</i>)	
<i>Lycopodium deuterodensum</i>	Puakarimu
<i>Tmesipteris elongata</i>	
<i>Tmesipteris lanceolata</i>	
<i>Tmesipteris sigmatifolia</i>	

Ferns

<i>Anarthropteris lanceolata</i>	
<i>Asplenium bulbiferum</i>	Hen and chickens fern
<i>Asplenium oblongifolium</i> (<i>A. lucidum</i>)	Shining spleenwort
<i>Asplenium polyodon</i> (<i>A. falcatum</i>)	Sickle spleenwort; petako
<i>Blechnum chambersii</i> (<i>B. lanceolatum</i>)	Nini; lance fern
<i>Blechnum discolor</i>	Crown fern; piupiu; petipeti
<i>Blechnum filiforme</i>	Climbing hard fern; thread fern
<i>Blechnum fraseri</i>	
<i>Blechnum novae-zelandiae</i>	Kiokio
<i>Ctenopteris heterophylla</i> (<i>Grammitis</i>)	
<i>Cyathea dealbata</i> (<i>Alsophila tricolor</i>)	Ponga; silver fern
<i>Cyathea medullaris</i> (<i>Sphaeropteris</i>)	Mamaku;
<i>Cyathea smithii</i> (<i>Alsophila</i>)	Soft-leaved tree fern; katote
<i>Dicksonia squarrosa</i>	Wheki; harsh tree fern
<i>Gleichenia microphylla</i>	Waewaekaha; tangle fern
<i>Grammitis billardierei</i>	Common strap fern
<i>Histiopteris incisa</i>	Water fern
<i>Hymenophyllum demissum</i> (<i>Mecodium</i>)	Piripiri; irirangi
<i>Hymenophyllum dilatatum</i> (<i>Mecodium</i>)	Lop-sided filmy fern
<i>Hymenophyllum flabellatum</i> (<i>Mecodium</i>)	Fan fern
<i>Hymenophyllum rarum</i> (<i>Mecodium</i>)	Wire-stemmed filmy fern
<i>Hymenophyllum revolutum</i>	
<i>Hymenophyllum sanguinolentum</i>	Blood-scented filmy fern
<i>Lastreopsis glabella</i> (<i>Ctenitis</i>)	Felted fern
<i>Lastreopsis hispida</i> (<i>Rumohra</i>)	hairy fern
<i>Leptopteris hymenophylloides</i> (<i>Todea</i>)	Single crepe fern; heruheru
<i>Lygodium articulatum</i>	Bushmans mattress
<i>Microsorium pustulatum</i> (<i>Phymatosorus pustulatus</i>)	Hounds tongue

<i>Microsorium scandens</i> (<i>Phymatosorus</i> , <i>Phymatodes</i>)	Mokimoki; fragrant fern
<i>Paesia scaberula</i>	Scented fern; matata; ring fern
<i>Pneumatopteris pennigera</i> (<i>Thelypteris</i> ; <i>Cyclosorus</i>)	Gully fern
<i>Pteridium esculentum</i> (<i>P. aquilinum</i> var <i>esculentum</i>)	Bracken; rauaruhe
<i>Pyrrosia eleagnifolia</i> (<i>P. serpens</i>)	Leather-leaf fern
<i>Rumohra adiantiformis</i>	
<i>Trichomanes endlicherianum</i> (<i>Crepidopteris</i>)	Rock mat fern
<i>Trichomanes reniforme</i> (<i>Cardiomanes</i>)	Kidney fern
<i>Trichomanes venosum</i>	

Orchids

<i>Drymoanthus adversus</i> (<i>Sarchochilus</i>)	
<i>Earina autumnalis</i>	Easter orchid; raupeka
<i>Earina mucronata</i>	Spring orchid; peka-a-waka
<i>Microtis unifolia</i>	Onion orchid
<i>Pterostylis agathicola</i> (<i>P. rubricaulis</i> ; <i>P. graminea</i> var <i>rubricaulis</i>)	
<i>Pterostylis banksii</i>	Tutukiwi
<i>Thelymitra longifolia</i>	White sun orchid
<i>Thelymitra pauciflora</i>	
<i>Winika cunninghamii</i> (<i>Dendrobium</i>)	Bamboo orchid

Grasses

* <i>Agrostis capillaris</i> (<i>A. tenuis</i>)	Browntop
* <i>Anthoxanthum odoratum</i>	Sweet vernal
* <i>Cortaderia selloana</i>	Pampas
* <i>Holcus lanatus</i>	Yorkshire fog
<i>Microlaena avenacea</i> (<i>Ehrharta diplax</i>)	Bush rice grass; oat grass
<i>Oplismenus hirtellus</i> ssp. <i>imbecillis</i>	Oat grass
* <i>Paspalum dilatatum</i>	Paspalum
* <i>Poa annua</i>	Annual poa

<i>Rytidosperma gracile</i>	Forest fairy grass
* <i>Setaria pumila</i> (<i>S. glauca</i>)	Yellow bristle grass

Sedges

Gabnia lacera
Gabnia pauciflora
Gabnia setifolia
Morelotia affinis
Schoenus tendo
Uncinia uncinata

Watu

Remaining Monocotyledonous herbs

<i>Astelia solandri</i>	Kowharawhara
<i>Astelia trinervia</i>	
<i>Collospermum hastatum</i>	Kahakaha
<i>Dianella nigra</i>	Blueberry; turutu
<i>Phormium cookianum</i>	Mountain flax; wharariki

Daisy-like herbs

* <i>Cirsium vulgare</i> (<i>C. lanceolatum</i>)	Scotch thistle
* <i>Conyza albida</i>	Broad-leaved fleabane
* <i>Crepis capillaris</i>	Hawkesbeard
<i>Gamochaeta spicata</i> (<i>Gnaphalium coarctatum</i>)	
* <i>Hypochoeris radicata</i>	Catsear
<i>Lagenifera cuneata</i> (<i>Lagenophora</i>)	
* <i>Leucanthemum vulgare</i> (<i>Chrysanthemum leucanthemum</i>)	Oxeye daisy
* <i>Senecio bipinnatisectus</i>	Australian fireweed
<i>Senecio minimus</i> (<i>Erechtites minima</i>)	Fireweed
* <i>Sonchus oleraceus</i>	Sow thistle; puha; puka

Dicotyledonous herbs other than Composites

* <i>Anagallis arvensis</i>	Scarlet pimpernel
<i>Drosera peltata</i> ssp. <i>auriculata</i> (<i>D. auriculata</i>)	
<i>Gonocarpus incanus</i> (<i>G. montanus</i> ; <i>Haloragis</i>)	
<i>Haloragis erecta</i>	Toatoa
<i>Hydrocotyle dissecta</i>	
* <i>Lotus pedunculatus</i> (<i>L. major</i> ; <i>L. uliginosus</i>)	Lotus major
<i>Nertera depressa</i>	Common nertera
<i>Nertera dichondrifolia</i>	Hairy nertera
* <i>Phytolacca octandra</i>	Inkweed
* <i>Stellaria media</i>	Chickweed
* <i>Trifolium repens</i>	White clover