

Indigenous Vascular Plants

@ Maringiwai Stream

On L. b. l. c.

orchids

Eastern

Waikato.

Topomap T27 & T28 330047 Alt 300m

Tony Silbery, Olaf John, Pat Enright 02/05/99

unc = uncommon

Site description:

This site is on the Maungaraki range on the property of Jamie Strang and is located in the head of the Maringiwai stream. It is steep sided on the true right with limestone outcropping in parts. The true left is more rolling country and downstream the whole valley flattens out with a parkland effect. The area is grazed with the consequent lack of herbs, ferns, sedges and grasses.

The valley floor has some emergent trees with a thick understory of tree nettle (*Urtica ferox*) and coprosma species (*Coprosma rotundifolia* is very common). On the more rolling ground there are some big podocarps, mainly kahikatea (*Dacrycarpus dacrydioides*), matai (*Prumnopitys taxifolia*) and rimu (*Dacrydium cupressinum*) and the odd miro (*Prumnopitys ferruginea*) and totara (*Podocarpus totara*). Three maire species are present and with the parkland situation some of these form large specimen trees. Some of the maires show the characteristic galls and deformities associated with mistletoe hosts but no plants were seen. Pigeonwood (*Hedycarya arborea*) was very common and would provide a great food source for birds.

Some of the less common plants seen in the area were *Neomyrtus pedunculata*, *Ranunculus foliosus* and the grass *Rytidosperma clavatum*. In particular the *ranunculus* was of note, as it is not listed from anywhere else in the E.D.

Due to the inclement weather and the very slippery nature of the steep banks the streambed was not fully surveyed but the rest of the area was given a survey that would be classed as medium. A return trip in the spring would complete the survey and also pick up on most of the orchid flora.

Gymnosperm trees and shrubs

<i>Dacrycarpus dacrydioides</i>	Kahikatea
<i>Dacrydium cupressinum</i>	Rimu
<i>Podocarpus totara</i>	Totara
<i>Prumnopitys ferruginea</i> (unc)	Miro
<i>Prumnopitys taxifolia</i>	Matai

Monocotyledonous trees and shrubs

<i>Cordyline australis</i>	cabbage tree
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Dicotyledonous trees and shrubs

<i>Alectryon excelsus</i> var. <i>excelsus</i> (unc)	Titoki
<i>Brachyglottis repanda</i>	Rangiora
<i>Carpodetus serratus</i>	Putaputaweta
<i>Coprosma areolata</i>	
<i>Coprosma propinqua</i> subsp. <i>propinqua</i>	
<i>Coprosma rhamnoides</i>	
<i>Coprosma rigida</i>	
<i>Coprosma rotundifolia</i>	
<i>Coprosma rubra</i>	
<i>Elaeocarpus dentatus</i>	Hinau
<i>Fuchsia excorticata</i> (unc)	Kotukutuku
<i>Griselinia lucida</i>	Puka, broadleaf
<i>Hedycarya arborea</i>	Pigeonwood
<i>Hoheria sexstylosa</i>	
<i>Knightia excelsa</i>	
<i>Kunzea ericoides</i> (unc)	Kanuka
<i>Lophomyrtus obcordata</i>	
<i>Macropiper excelsum</i> var. <i>excelsum</i>	Kawakawa
<i>Melicope simplex</i>	
<i>Melicytus ramiflorus</i> subsp. <i>ramiflorus</i>	Mahoe
<i>Myoporum laetum</i>	Ngaio
<i>Myrsine australis</i> (unc)	
<i>Myrsine divaricata</i> (unc)	Weeping Matipo
<i>Neomyrtus pedunculata</i> (unc)	
<i>Nestegis cunninghamii</i>	Black Maire
<i>Nestegis lanceolata</i>	White maire
<i>Nestegis montana</i>	Narrow leaved maire
<i>Pennantia corymbosa</i>	Kaikomako
<i>Pittosporum eugenioides</i>	Lemonwood, tarata
* <i>Plagianthus regius</i>	Ribbonwood
<i>Pseudopanax crassifolius</i>	Horoeka, lancewood
<i>Pseudowintera colorata</i> (unc)	Horopito

<i>Solanum aviculare</i> (unc)	
<i>Streblus heterophyllus</i>	Turepo, milk tree
<i>Urtica ferox</i>	Tree nettle

Monocotyledonous lianes

<i>Ripogonum scandens</i>	Supplejack
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Dicotyledonous lianes and related trailing plants

<i>Clematis foetida</i>	
<i>Clematis paniculata</i>	
<i>Metrosideros colensoi</i>	
<i>Metrosideros diffusa</i>	
<i>Muehlenbeckia australis</i>	Pohuehue
<i>Parsonsia capsularis</i>	
<i>Parsonsia heterophylla</i>	Akakiore
<i>Passiflora tetrandra</i>	Passion vine
<i>Rubus cissoides</i>	
<i>Rubus schmidelioides</i>	

Psilopods, Lycopods and Quillworts

Ferns

<i>Adiantum cunninghamii</i>	
<i>Asplenium gracillimum</i> (unc)	
<i>Asplenium flabellifolium</i>	Necklace fern
<i>Asplenium flaccidum</i> ss	Makawe, Hanging spleenwort
<i>Asplenium hookerianum</i>	
<i>Asplenium polyodon</i>	
<i>Asplenium hookerianum</i> x <i>A. bulbiferum</i> or <i>gracillimum</i>	
<i>Blechnum chanbersii</i>	
<i>Blechnum fluviatile</i>	Kiwakiwa
<i>Cyathea dealbata</i>	
<i>Hypolepis ambigua</i>	
<i>Lastreopsis glabella</i>	
<i>Pellaea rotundifolia</i>	Tarawera
<i>Phymatosorus pustulatus</i> (unc)	
<i>Polystichum richardii</i>	
<i>Pyrrosia eleagnifolia</i>	

Orchids

✓ *Earina mucronata*

Grasses

Echinopogon ovatus
Poa imbecilla
Rytidosperma clavatum

Sedges

Rushes and allied plants

Juncus gregiflorus Wiwi
Juncus sarophorus

Remaining Monocotyledonous plants

Collopermum hastatum

Daisy-like herbs (Composites)

Gnaphalium gymnocephalum
Helichrysum filicaule
Lagenifera pumila

Dicotyledonous herbs other than Composites

Acaena anserinifolia Bidibidi
Australina pusilla
Callatriche petrei
Cardamine sp. (C. debilis agg.)("Long Style" of Pritchard 1957)
Epilobium nummulariifolium
Hydrocotyle elongata
Hydrocotyle heteromeria
Hydrocotyle moschata
Plantago raoulia
Ranunculus foliosus (unc) Maruru, hairy buttercup
Stellaria decipiens

Birds:

Fantail
Grey warbler
Magpie
Native pigeon
Tui

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On base ✓
Q b.b.l.c

Re. *Korthalsella lindsayi* at Riverside Road, Martinborough, S27.188.008 etc.

Korthalsella lindsayi was found at a number of sites (all within 1 km of each other) at Riverside Road, Riverside Station, Martinborough, on 26.05.1996.

Site 1 - S27.188.008, gully, grazed forest remnant:

<i>Korthalsella lindsayi</i>	mistletoe
<i>Podocarpus totara</i>	totara
<i>Prumnopitys taxifolia</i>	matai
<i>Alectryon excelsus</i>	titoki
<i>Coprosma areolata</i>	
<i>C. crassifolia</i>	
<i>C. propinqua</i>	
<i>C. rhamnoides</i>	
<i>Melicytus micranthus</i>	
<i>M. ramiflorus</i>	
<i>Myrsine divaricata</i>	weeping matipo
<i>Sophora microphylla</i>	kowhai
<i>Streblus heterophyllus</i>	small-leaved milk tree
<i>Ripogonum scandens</i>	supplejack
<i>Muehlenbeckia australis</i>	
<i>M. complexa</i>	

Site 2 - S27.188.010, scattered trees on a west facing hill slope, grazed.

<i>Korthalsella lindsayi</i> *	mistletoe
<i>Podocarpus totara</i>	totara
<i>Alectryon excelsus</i>	titoki
<i>C. crassifolia</i>	
<i>C. rhamnoides</i>	
<i>Cordyline australis</i>	cabbage tree
<i>Kunzea ericoides</i>	kanuka
<i>Lophomyrtus obcordata</i>	rohutu
<i>Melicytus micranthus</i>	
<i>Myoporum laetum</i>	ngaio
<i>Myrsine divaricata</i>	weeping matipo
<i>Nestegis cunninghamii</i>	black maire
<i>Sophora microphylla</i>	kowhai
<i>Streblus heterophyllus</i>	small-leaved milk tree
<i>Muehlenbeckia australis</i>	
<i>M. complexa</i>	
<i>Ripogonum scandens</i>	supplejack

* *Korthalsella lindsayi* on *Lophomyrtus obcordata*, *Coprosma crassifolia* and *Myrsine divaricata*.

Site 3 - forest remnant along a small winding stream, in a valley, grazed, S27.189.012, approx. 200 x 50-100 m, potentially very nice area. In places closed canopy and regeneration. Should be fenced off.

<i>Korthalsella lindsayi</i> *	mistletoe
<i>Dacrycarpus dacrydoides</i>	kahikatea
<i>Podocarpus totara</i>	totara
<i>Prumnopitys taxifolia</i>	matai
<i>Alectryon excelsus</i>	titoki
<i>Coprosma areolata</i>	
<i>C. crassifolia</i>	
<i>C. propinqua</i>	
<i>C. rhamnoides</i>	
<i>C. rigida</i>	
<i>C. rubra</i>	
<i>C. spp.</i>	
<i>Cordyline australis</i>	cabbage tree
<i>Hoheria sextylosa</i>	houhere
<i>Kunzea ericoides</i>	kanuka
<i>Lophomyrtus obcordata</i>	rohutu
<i>Melicope simplex</i>	
<i>Melicytus micranthus</i>	
<i>M. ramiflorus</i>	
<i>Myoporum laetum</i>	ngaio
<i>Myrsine divaricata</i>	weeping matipo
<i>Nestegis lanceolata</i>	white maire
<i>Pseudopanax anomalus</i>	
<i>Sophora microphylla</i>	kowhai
<i>Streblus heterophyllus</i>	small-leaved milk tree
<i>Muehlenbeckia australis</i>	
<i>M. complexa</i>	
<i>Parsonsia spp.</i>	
<i>Rubus schmideloides</i>	bush lawyer
<i>Ripogonum scandens</i>	supplejack

(*Carex secta* grows in the stream)

* *Korthalsella lindsayi* on *C. crassifolia*, *C. rigida*, *Lophomyrtus obcordata*, *Myrsine divaricata* and *Muehlenbeckia australis*.

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