

~~On~~ On biology

MT WAINUI AND SURROUNDS INCLUDING WAINUI STREAM GORGE

Isolated bush remnants (N160 517-583, 512-586) and two ponds (512.587) and swampy areas on terraces of Wainui Stream, "Wainui" farm.

Colin Ogle Visits 15-16/3/80 and Botsoc 1-2/11/80

* indicates species added by Pat Enright and Olaf John(Stream Gorge and surrounds) 14/6/97, 22/6/97

Gymnosperm trees and shrubs

<i>Dacrycarpus dacrydioides</i>	Kahikatea
<i>Podocarpus hallii</i>	Halls totara
<i>Podocarpus totara</i>	Totara
<i>Prumnopitys ferruginea</i>	Miro
<i>Prumnopitys taxifolia</i>	Matai

Dicotyledonous trees and shrubs

<i>Alectryon excelsus</i>	Titoki
<i>Alseuosmia pusilla</i>	Wineberry, makomako
<i>Aristotelia serrata</i>	Tawa
<i>Beilschmiedia tawa</i>	Rangiora
<i>Brachyglottis repanda</i>	Putaputaweta, marbleleaf
<i>Carpodetus serratus</i>	
<i>Carmichaelia arborea</i>	Tauhinu
<i>Cassinia leptophylla</i>	
<i>Coprosma colensoi</i>	Stinkwood
<i>Coprosma foetidissima</i>	Raurekau
<i>Coprosma grandifolia</i>	Karamu
<i>Coprosma lucida</i>	
<i>Coprosma propinqua</i>	Karamu
<i>Coprosma rhamnoides</i>	Tree tutu
<i>Coprosma robusta</i>	Karako
<i>Coriaria arborea</i>	
<i>Corynocarpus laevigatus</i>	Kohekohē
<i>Dracophyllum longifolium</i>	Hinau
<i>Dysosxylum spectabile</i>	Pokaka
<i>Elaeocarpus dentatus</i>	Fuchsia, kotukutuku
<i>Elaeocarpus hookerianus</i>	Snowberry, tawiniwini
<i>Fuchsia excorticata</i>	Hangchange
<i>Gaultheria antipoda</i>	Broadleaf, kapuka
<i>Geniostoma rupestre</i>	Puka
<i>Griselinia littoralis</i>	Koromiko
<i>Griselinia lucida</i>	Porokaiwhiri, pigeonwood
<i>Hebe stricta var atkinsonii</i>	Rewarewa
<i>Hedycarya arborea</i>	Kanuka
<i>Knightia excelsa</i>	Pukatea
* <i>Kunzea ericoides</i>	Manuka, teatree
<i>Laurelia novae-zelandiae</i>	
<i>Leptospermum scoparium</i>	

<i>Leucopogon fasciculatus</i>	
<i>Lophomyrtus bullata</i>	Ramarama
<i>Macropiper excelsum</i>	Kawakawa
<i>Melicope ternata</i>	Wharangi
<i>Melicope simplex x M. ternata</i>	
<i>Melicytus lanceolatus</i>	Mahoc
<i>Melicytus ramiflorus</i>	Northern rata
<i>Metrosideros robusta</i>	Ngaio
<i>Myoporum laetum</i>	Red Matipo
<i>Myrsine australis</i>	Black Mairi
<i>Nestegis cunninghamii</i>	
<i>Nestegis montana</i>	Heketaro
<i>Olearia paniculata</i>	
<i>Olearia rani</i>	Kaikomako
<i>Olearia solandri</i>	Tarata, lemonwood
<i>Pennantia corymbosa</i>	Kohuhu
<i>Pittosporum eugeniooides</i>	Whauwhaupaku
<i>Pittosporum tenuifolium</i>	Puahou, Five finger
<i>Pseudopanax anomolus</i>	Horocka, lancewood
<i>Pseudopanax arboreus</i>	
<i>Pseudopanax crassifolius</i>	
<i>Pseudopanax simplex</i>	Pepperwood
<i>Pseudowintera axillaris</i>	Patc
<i>Pseudowintera colorata</i>	
<i>Schefflera digitata</i>	Turepo, milk tree
<i>Streblus banksii</i>	Tree nettle, ongaonga
<i>Streblus heterophylla</i>	
<i>Urtica ferox</i>	Kamahi
<i>Weinmannia racemosa</i>	

Monocotyledonous trees and shrubs

 *Rhopalostylis sapida* Nikau

Monocotyledonous lianes

<i>Freycinetia banksii</i>	Kie kie
<i>Ripogonum scandens</i>	Supplejack

Dicotyledonous lianes and related trailing plants

<i>Clematis paniculata</i>	Puawananga
<i>Metrosideros diffusa</i>	
<i>Metrosideros fulgens</i>	
<i>Metrosideros perforata</i>	
<i>Muehlenbeckia australis</i>	Pohuehue
<i>Muehlenbeckia complexa</i>	
<i>Parsonsia capsularis</i>	
<i>Parsonsia heterophylla</i>	Akakiore

Rubus australis	Tataramoa, Bush lawyer
Rubus cissoides	
Rubus australis x R. cissoides	
Tetrapathaea tetrandra	Passion vine

Psilotops, Lycopods and Quillworts

Lycopodium varium

Ferns

Adiantum cunninghamii	Maidenhair fern
Adiantum diaphanum	Maidenhair fern
Adiantum fulvum	Maidenhair fern
Adiantum viridescens	Maidenhair fern
Anarthropteris lanccolata	Lance fern
Arthropteris tenella	
Asplenium bulbiferum	Manamana, Hen and Chicken fern
Asplenium flaccidum ss	Makawc, Hanging spleenwort
Asplenium gracillimum	
Asplenium hookerianum	
Asplenium oblongifolium	Huruhuruwhenua, Shining spleenwort
Asplenium polyodon	Petako, Sickle spleenwort
Azolla rubra	
Blechnum "blackspot lowland"	(pp B. capense) Kiokio
Blechnum chambersii	Nini
Blechnum discolor	Piupiu
Blechnum filiforme	Paanako
Blechnum fluviatile	Kiwakiwa
Blechnum minus	
Blechnum nigrum	
* Blechnum pennamarina	
Blechnum procerum	
Ctenopteris heterophylla	
Cyathea dealbata	Ponga, Silver fern
Cyathea medullaris	Mamaku
Cyathea smithii	
Dicksonia squarrosa	Wheki
Grammitis billardierei	
Grammitis ciliata	
Grammitis magellanica ssp. nothofageti	
Histiopteris incisa	Maataa, Water fern
Hymenophyllum armstrongii	
Hymenophyllum bivalve	
Hymenophyllum demissum	
Hymenophyllum dilatatum	
Hymenophyllum multifidum	
Hymenophyllum pulcherrimum	
Hymenophyllum rarum	
Hymenophyllum revolutum	

<i>Hymenophyllum sanguinolentum</i>		
<i>Hymenophyllum scabrum</i>		
<i>Hypolepis ambigua</i>		
* <i>Hypolepis dicksonioides</i>		
<i>Hypolepis rufobarbata</i>		
<i>Lastreopsis glabella</i>		
<i>Lastreopsis hispida</i>		
* <i>Lastreopsis microsora</i>		
<i>Lastreopsis velutina</i>		
<i>Leptopteris hymenophylloides</i>		Heruheru, Single crepe fern
<i>Leptopteris superba</i>		
<i>Leptopteris hymenophylloides x L. Superba</i>		
<i>Lindsaea trichomanoides</i>		
<i>Paesia scaberula</i>		Matata, Scented fern
<i>Pellaea rotundifolia</i>		Tarawera
<i>Phymatosorus pustulatus</i>	(<i>P. diversifolium</i>)	
<i>Phymatosorus scandens</i>		Moki
<i>Pneumatopteris pennigera</i>		
<i>Polystichum richardii</i>		Pikopiko
<i>Polystichum silvaticum</i>		
<i>Polystichum vestitum</i>		
<i>Pteridium esculentum</i>		Bracken, rauaruhe
<i>Pteris macilenta</i>		
<i>Pteris tremula</i>		
<i>Pyrrosia eleagnifolia</i>	(<i>P. serpens</i>)	Ota, Leather-leaf fern
<i>Rumohra adiantiformis</i>		
<i>Tmesipteris elongata</i>		
<i>Tmesipteris tannensis</i>		
<i>Trichomanes endlicherianum</i>		
<i>Trichomanes reniforme</i>		Raurenga
<i>Trichomanes venosum</i>		

Orchids

<i>Dendrobium cunninghamii</i>	
<i>Drymoanthus adversus</i>	
<i>Earina autumnalis</i>	
<i>Earina mucronata</i>	
<i>Pterostylis banksii</i>	
<i>Thelymitra longifolia</i>	

Grasses

<i>Chionochloa conspicua</i> var <i>cunninghamii</i>	
<i>Cortaderia toetoe</i>	Toetoe
<i>Dichachne crinata</i>	
<i>Echinopogon ovata</i>	
<i>Microlaena avenacea</i>	
<i>Microlaena stipoides</i>	Paatiitii, Bush rice grass
<i>Poa anceps</i>	

Rytidosperma racemosum
Rytidosperma clavatum

Sedges

* <i>Carex dissita</i>	
<i>Carex forsteri</i>	
<i>Carex inversa</i>	
<i>Carex lessoniana</i>	
<i>Carex virgata</i>	
<i>Cyperus ustulatus</i>	
<i>Eleocharis acuta</i>	
<i>Eleocharis gracilis</i>	
<i>Gahnia pauciflora</i>	
<i>Gahnia procera</i> ?	
<i>Gahnia setifolia</i>	
<i>Isolepis cernua</i>	
<i>Isolepis habra</i> ?	
<i>Isolepis inundata</i>	
<i>Isolepis nodosa</i>	
<i>Isolepis prolifer</i>	
<i>Isolepis pottsii</i>	
<i>Schoenus maschaulinus</i>	
* <i>Uncinia astonii</i> (Hamlin)	
<i>Uncinia banksii</i>	Hook grass
<i>Uncinia gracilenta</i>	
<i>Uncinia filiformis</i> ?	
<i>Uncinia uncinata</i>	Watu, Hook grass
<i>Uncinia zotovii</i>	

Rushes and allied plants

<i>Juncus australis</i>		
<i>Juncus caespiticius</i>		
<i>Juncus gregiflorus</i>	(<i>J. polyanthemus</i>)	Wiwi
<i>Juncus pallidus</i>		
<i>Juncus planifolius</i>		
<i>Juncus sarophorus</i>		
<i>Luzula picta</i>		

Remaining Monocotyledonous plants

<i>Arthropodium candidum</i>	
<i>Astelia fragrans</i>	Kakaha
<i>Astelia solandri</i>	Koowharawhara
<i>Colospermum hastatum</i>	
<i>Colospermum microspermum</i>	
<i>Dianella nigra</i>	Tuurutu

<i>Lemna minor</i>	
<i>Libertia ixioides</i>	Mikoikoi
<i>Luzuriaga parviflora</i>	
<i>Phormium tenax</i>	Harakeke
<i>Potamogeton cheesemanii</i>	
<i>Triglochin striatum</i>	
<i>Typha orientalis</i>	
<i>Wolffia australiana</i>	

Daisy-like herbs (Composites)

<i>Gnaphalium audax</i>	
<i>Gnaphalium gymnocephalum</i>	
<i>Gnaphalium involucratum</i>	
<i>Helichrysum bellidioides</i>	
<i>Helichrysum filicaule</i>	
<i>Helichrysum filicaule x Raoulia glabra</i>	
<i>Lagenifera pumila</i>	Papataaniwhaniwha
<i>Leptinella membranacea</i>	
<i>Pseudognaphalium luteoalbum agg.</i>	
<i>Raoulia glabra</i>	
<i>Senecio minimus</i>	(Erechtites minima) Fireweed
<i>Vittadinia australis</i>	

Dicotyledonous herbs other than Composites

<i>Acaena anserinifolia</i>	Bidibidi
<i>Cardamine sp. (C. Debilis agg. "broad -style")</i>	
<i>Centipeda orbicularis</i>	
<i>Centella uniflora</i>	
<i>Crassula sieberiana</i>	
<i>Dichronda brevifolia agg.</i>	
<i>Dichronda repens</i>	
<i>Epilobium atriplicifolium</i>	
<i>Epilobium brunnescens</i>	
<i>Epilobium insulare</i>	
<i>Epilobium komarovianum</i>	
<i>Epilobium nerteroides</i>	
<i>Epilobium nummularifolium</i>	
<i>Epilobium pubens</i>	
<i>Epilobium rotundifolium</i>	
<i>Galium propinquum</i>	
<i>Gentiana mathewsii</i>	
<i>Geranium microphyllum</i>	
* <i>Geranium sessiliflorum</i>	
<i>Hydrocotyle elongata</i>	
<i>Hydrocotyle heteromeria</i>	
<i>Hydrocotyle moschata</i>	
<i>Hydrocotyle novae zelandiae</i>	

Hypericum japonicum		
Lobelia anceps		
Mazus pumilio		
Myriophyllum propinquum		
Nertera depressa	agg (N. cunninghamii)	Common nertera
Nertera setulosa		
Oxalis exilis		Yellow oxalis
Parietaria debilis		
Plantago raoulia		
Polygonum sp. (c.f. P. decipiens)		
Ranunculus reflexus	(pp R. hirtus)	Maruru, hairy buttercup
Ranunculus rivularis		
Stellaria decipiens		
Tetragonia trigyna		
Viola filicaule		
Wahlenbergia gracilis		
Wahlenbergia marginata		