

TIROMOANA BUSH, MT. CASS, NORTH CANTERBURY

Bryony Macmillan¹

On 14 October 1978 and 3 September 1988 members of the Society visited a bush-filled gully on Tiromoana Station east of Waipara, north Canterbury (NZMS 1 S68 & 69: 17-09-). The property is managed for Landcorp by Mr & Mrs C Nesbit. The underlying rock is limestone, and the average annual rainfall is 700-800 mm. the bush ranges in altitude from 180-430 m.

A combined list of 90 species of indigenous ferns and flowering plants seen on both visits is presented below. A few species were not seen on the second visit: orchids and *Arthropodium* for which it would have been too early, *Gingidia montana*, *Tupeia antarctica* and *Urtica incisa*, and *Acaena anserinifolia*. 47 species of naturalized plants were recorded from the bush and adjacent grassland during the second (1988) visit, giving a total vascular flora of 137 species.

Checklist of indigenous plants

<i>Acaena anserinifolia</i>	<i>Cotula squalida</i>
<i>Acaena novae-zelandiae</i>	
<i>Adiantum cunninghamii</i>	<i>Dichondra repens</i>
<i>Alectryon excelsum</i>	<i>Discaria toumatou</i>
<i>Arthropodium candidum</i>	
<i>Asplenium bulbiferum</i>	<i>Elymus rectisetus</i>
<i>Asplenium flabellifolium</i>	<i>Epilobium nummularifolium</i>
<i>Asplenium flaccidum</i>	<i>Epilobium rotundifolium</i>
<i>Asplenium lyallii</i>	
<i>Astelia fragrans</i>	<i>Festuca novae-zelandiae</i>
<i>Australina pusilla</i>	<i>Fuchsia excorticata</i>
	<i>Fuchsia perscandens</i>
<i>Blechnum chambersii</i>	
<i>Blechnum fluviatile</i>	<i>Geranium microphyllum</i>
<i>Blechnum penna-marina</i>	<i>Gingidia montana</i>
	<i>Griselinia littoralis</i>
<i>Calystegia tuguriorum</i>	
<i>Cardamine debilis</i>	<i>Haloragis erecta</i>
<i>Carmichaelia violacea</i>	<i>Hebe salicifolia</i>
<i>Carpodetus serratus</i>	<i>Hoheria angustifolia</i>
<i>Clematis foetida</i>	<i>Hydrocotyle moschata</i>
<i>Clematis paniculata</i>	<i>Hydrocotyle novae-zelandiae</i>
<i>Coprosma crassifolia</i>	
<i>Coprosma aff. parviflora</i>	<i>Ileostylus micranthus</i>
<i>Coprosma propinqua</i>	
<i>Coprosma rhamnoides</i>	<i>Juncus gregiflorus</i>
<i>Coprosma robusta</i>	
<i>Coprosma rotundifolia</i>	<i>Kunzea ericoides</i>
<i>Cordyline australis</i>	
<i>Corybas sp</i>	<i>Lagenifera pumila</i>

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Libertia ixioides

Macropiper excelsum
Melicope simplex
Melicytus ramiflorus
Muehlenbeckia australis
Muehlenbeckia complexa
Myoporum laetum
Myrsine australis

Olearia avicenniifolia
Oxalis exilis

Paratrophis microphylla
Parietaria debilis
Parsonsia heterophylla
 (? *Parsonsia capillaris*)
Passiflora tetrandra
Pellaea rotundifolia
Pennantia corymbosa
Phormium tenax
Phymatodes diversifolium
Pittosporum eugenioides
Pittosporum tenuifolium
Plagianthus regius
Pneumnatopteris pennigera

Poa cita
Podocarpus totara
Prumnopitys taxifolia
Polystichum richardii
Polystichum vestitum
Pseudopanax arboreus
Pseudopanax crassifolius
Pteridium aquilinum
Pterostylis graminea

Ranunculus multiscapus
Ranunculus reflexus
Rubus squarrosus
Rytidosperra sp

Schefflera digitata
Sophora microphylla
Stellaria parviflora

Tupeia antarctica

Urtica ferox
Urtica incisa

Viola cunninghamii

Checklist of naturalized plants

(compiled by Janice Lord and David Norton)

Achillea millefolium
Agrostis capillaris

Cardamine hirsuta
Cerastium fontanum
Cirsium arvense
Cirsium vulgare
Conium maculatum
Crataegus monogyna
Crepis capillaris
Cynosurus cristatus
Cytisus scoparius

Dactylis glomerata

Erodium cicutarium

Galium aparine
Geranium molle

Hieracium pilosella
Holcus lanatus
Hydrocotyle heteromeria
Hypochaeris radicata

Juncus articulatus

Lamium amplexicaule
Leontodon taraxacoides
Linum catharticum

Mycelis muralis

Nasturtium microphyllum

Phleum pratense
Plantago lanceolata
Poa annua
Prunella vulgaris

Rosa rubiginosa
Rumex crispus
Rumex obtusifolius

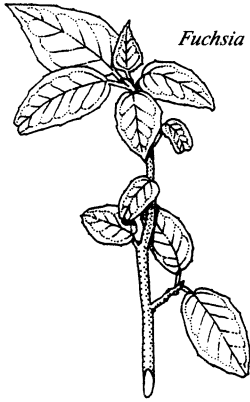
Sagina apetala
Sagina procumbens
Sambucus nigra
Sherardia arvensis
Sisymbrium officinale
Sonchus oleraceus
Stellaria media

Taraxacum officinale
Trifolium dubium

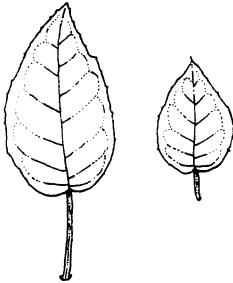
Trifolium pratense
Trifolium repens

Urtica urens

Verbascum thapsus
Veronica persica
Vicia sp.



Fuchsia x colensoi



Fuchsia perscandens