

INDIGENOUS HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS,
FLOWERING PLANTS) OF LOOKOUT RANGE†, NW NELSON,
1500-5425 FT/450-1653 M

14

M28

A.P. Druce, Botany Division, D.S.I.R., May 1983
(revised June 1984, July 1986, June 1988, Nov. 1988, Sept. 1990,
May 1991, Aug. 1992)

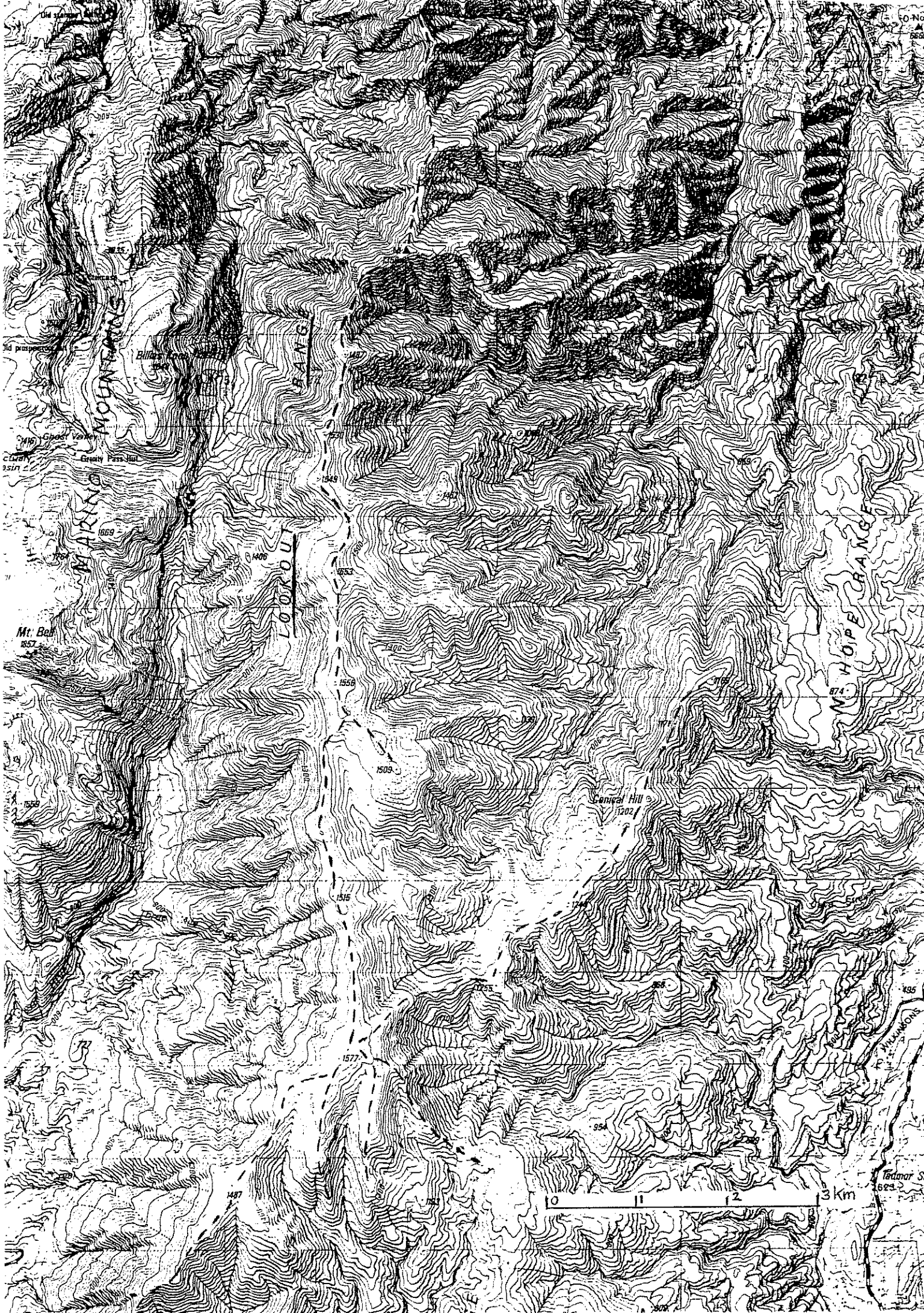
Revised and rewritten March 1993

Based on visits Jan. 1972, Jan. 1983, Jan. 1988, Feb. 1993
(Members of 1993 field party: Tony Druce, Peter Williams,
Shannel Courtney, Kerry Ford, Denise Cutler, Arnold
Heine, Roland Heine)

† Highest point: 1653m, grid ref. NZMS 260 762634
Rocks: granite

M28

h



(unc) - uncommon or local
 (s) - seen only in saddle adjacent to Marino Mts (marble)

INDIGENOUS PLANTS

(Note: adventive plants are few in number (< 20 spp.) and of no importance in the vegetation)

GYMNOSPERM TREES AND SHRUBS

| | |
|--|---|
| <i>Dactyctenium dactyloides</i> | <i>Coprosma cheesemani</i> ss. |
| <i>Dactyctenium cupressinum</i> | <i>C. ciliata</i> ssp. <i>ciliata</i> (unc) |
| <i>Halocarpus bidwillii</i> | <i>C. colensoi</i> s.s. |
| <i>H. biformis</i> | <i>C. cranulata</i> |
| <i>Lagarostrobos colensoi</i> (unc) | <i>C. depressa</i> |
| <i>Lepidothamnus intermedius</i> | <i>C. foetidissima</i> |
| <i>L. laxifolius</i> | <i>C. microcarpa</i> |
| <i>L. intermedius</i> X <i>L. laxifolius</i> | <i>C. lucida</i> s.s. |
| <i>Libocedrus bidwillii</i> | <i>C. perpusilla</i> ssp. <i>perpusilla</i> |
| <i>Phyllocladus alpinus</i> s.s. | <i>C. pseudocuneata</i> ssp. (lvs narrower than in ssp. <i>pseudocuneata</i>) |
| <i>P. sp.</i> (unnamed; aff. <i>P. alpinus</i>) ("lowland" ecotype of Wardle 1969) | <i>C. robusta</i> |
| <i>Podocarpus hallii</i> | <i>C. sp. (i)</i> (unnamed) (<i>C. parviflora</i> var. <i>dumosa</i> sensu Allan 1961, non <i>C. p.</i> var. <i>dumosa</i> Cheesem.) |
| <i>P. nivalis</i> | <i>C. sp. (ii)</i> (unnamed; aff. <i>C. pseudocuneata</i>) (low-growing shrubs with small, thick arcuate lvs) |
| <i>P. hallii</i> X <i>P. nivalis</i> (unc) | <i>C. sp. (iii)</i> (unnamed; included in <i>C. parviflora</i> by Olivier, 1935, and others) (lf undersurface not minutely hairy as is usual in <i>C. parviflora</i> ; drupes usually unpigmented, occasionally purplish red) |
| <i>Prumnopitys ferruginea</i> | <i>Cyathodes dealbata</i> (incl. <i>C. pumila</i>) |

DICOT TREES AND SHRUBS

| | |
|---|---|
| <i>Atcharia travetsii</i> (incl. <i>A. t.</i> var. <i>australis</i>) | <i>C. ampelifolia</i> |
| <i>Aristotelia fruticosa</i> var. (unc) | <i>C. sp.</i> (<i>C. juniperina</i> agg.) (lvs small, vs. < 1 cm X < 1 mm) |
| <i>Brachyglottis bidwillii</i> var. <i>viticilis</i> | |
| <i>B. grayi</i> var. (<i>B. laxifolia</i>) (unc, south end of range) | |
| <i>B. rotundifolia</i> var. (incl. <i>B. bochananii</i> and <i>B. cockaynei</i>) | |
| <i>Carpodetus serratus</i> | |
| <i>Cassinia vauvilliersii</i> | |

- Dracophyllum longifolium* var.
 (incl. *D. filifolium* and *D. oliveri*)
D. pronum
D. uniflorum
D. traversii (incl. *D. pyramidale*)
 (unc)
D. pronum X *D. uniflorum*
Elaeocarpus hookerianus
Epactis alpina
Exocarpus bidwillii
Gaultheria crassa
G. depressa s.s.
G. sp. (unnamed; included in *G.*
G. depressa, as var. *novae-*
zelandiae, by Franklin 1962)
G. crassa X *G. macrostigma* (unc)
G. crassa X *G. sp.* (unnamed)
Githiselinia littoralis
Hebe canterburiensis
H. ciliolata
H. cockayneana var. (south end
 of range)
H. macrantha var. *brachyphylla*
 (unc)
H. tetragona var. (*H. coarctata*)
H. topiaria
H. sp. (*Leonohebe masoniae*)
Kunzea ericoides agg.
Leptospermum scoparium
Leucopogon fasciculatus var.
 (juv. lvs not much broader than adult lvs)
L. suaveolens (incl. *Cyathodes*
colensoi) (unc)
Melicactus alpinus s.s. (unc)
Metrosideros umbellata
Myrsine divaricata s.s.
M. nummulata
Neomyrtus pedunculata
- Nothofagus fusca*
N. menziesii
N. solandri var. *cliffortioides*
N. truncata
Olearia lacunosa var. *lacunosa* (unc)
Pentachondra pomila
Pimelea oreophila (unc)
Pittosporum anomalum (unc)
P. rigidum var. (*P. crassicaule*)
Pseudopanax colensoi s.s.
P. crassifolius
P. simplex (incl. *P. s.* var. *sinclairii*)
P. sp. (unnamed; included in *P.*
colensoi, as var. *ternatus*, by
 Wardle 1968)
Pseudowintera colorata
Quintinia serrata (incl. *Q. acuti-*
folia and *Q. elliptica*)
Weinmannia racemosa var.
racemosa
- DICOT LIANES**
- Robus cissoides* var. ("form c" of
 Allan 1961; leaflets broader than in
 var. *cissoides*)
- PSILOPSIDS AND LYCOPODS**
- Tmesipteris tannensis* (unc)
Lycopodium australianum
L. fastigiatum
L. scariosum
L. varium
L. volubile

FERNS

Asplenium flaccidum
Blechnum discolor
B. pennamantina
B. procerum
B. sp. (unnamed) (lowland sp.;
 lower pinnae reduced in
 length)
Ctenopteris heterophylla
Cyathea colensoi
Gleichenia dicarpa
Grammitis billardierei
G. givenii (unc)
G. magellanica ssp. *nothofageti*
G. poeppigiana

Histiopteris incisa
Hymenophyllum bivalve
H. flabellatum
H. malingii
H. multifidum
H. peltatum (unc)
H. rarum
H. rufescens
H. villosum
Leptopteris superba
Paesia scaberula
Polystichum vestitum
Pteridium esculentum
Selizaea australis (unc)

Chiloglottis cornuta
Corybas trilobus s.s.
C. sp. (undetermined) (unc)
Gastrodia cunninghamii
Prasophyllum colensoi
Pterostylis itsoniana (unc)
P. venosa
Thelymitra hatchii

GRASSES

Agrostis dyeri s.s. (unc)
A. personata
A. sp. (unnamed; aff. A. dyeri) (panicle
 spreading, not contracted as in
A. dyeri)
Chionochoa australis
C. cheesemanii (vicinity of
 Conical Hill)
C. conspicua ssp. *conspicua*
C. pallens ssp. *pallens*
C. rubra ssp. *occulta*
C. australis X *C. rubra* (unc)
C. pallens X *C. rubra* (unc)
C. pallens X *C. sp. (unnamed; C.*
flavescens auct. South Island,
 non *C. flavescens* Zotov) (unc)
Deschampsia tenella
Deyeuxia aucklandica
Festuca sp. (unnamed; aff. F. matthewsii)
Hierochloa novae-zelandiae
Microlaena avenacea
M. colensoi
Poa colensoi
P. kirkii (unc)
P. maia (unc)

ORCHIDS

Adenochilus gracilis
Aporostylis bifolia
Caladenia carnea agg. (unc)
C. lyallii

- Rytidosperma gracil
- R. nigricans
- R. setifolium
- Trisetum youngii (unc)

U. nervosa; see Edgar 1970, p. 231)

SEDGES

- Baumea tenax
- Carex aciculatis
- C. dissita s.s.
- C. libera
- C. sp. (i) (C. lessoniana?)
- C. sp. (ii) (unnamed; aff. C. dissita) (plants smaller than in C. dissita) (unc)
- Carpha alpina s.s.
- Gahnia procera
- Isolepis aucklandica
- I. caligenis (unc)
- I. habra
- Oreobolus impar (unc)
- O. pectinatus
- O. strictus
- Schoenus pauciflorus s.s. (= "slender form" of Edgar 1970, p. 194)
- Uncinia astonii (unc)
- U. divaricata
- U. ferruginea
- U. filiformis
- U. fuscovaginata var. (plants glaucous)
- U. involuta
- U. nervosa s.s.
- U. rupestris (incl. U. angustifolia)
- U. uncinata
- U. sp. (unnamed; aff. U. nervosa) (plants more slender than in

RUSHES AND ALLIED PLANTS

- Centrolepis ciliata
- Empodisma minus
- Gaimardia setacea
- Juncus antarcticus
- J. novae-zelandiae
- Luzula colensoi
- L. sp. (unnamed; aff. L. rufa)
- Marsippospermum gracile (south end of range)

MONOCOT HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES AND ALLIED PLANTS

- Astelia graminia
- A. linearis var. linearis
- A. nervosa s.s.
- A. niveola s.s. (unc)
- A. sp. (unnamed; aff. A. nervosa) (lvs broad, not conspicuously white adaxially as in A. nervosa)
- Bulbinella hookeri (S)
- Dianella nigra
- Libertia pulchella
- Phormium cookianum

COMPOSITE HERBS

- Abrotanella caespitosa
- A. linearis s.s. (S)
- Anaphalis sp. (Helichrysum bellidioides s.s.)
- Brachyglottis sp. (unnamed; included in B. bellidioides, as var. crassa, by Nordenstam 1978)

- Colmisia alpina*
C. hieracifolia ssp.
C. incana (incl. *C. discolor*)
C. laricifolia
C. lateralis (incl. *C. l.* var. *villosus*)
C. montoi ssp. (*C. coriacea* var. *laucifolia*)
C. petrici (S)
C. sessiliflora (south end of range)
C. similis
C. sinclairii (incl. *C. allanii* and *C. douglasii*) (south end of range)
C. spectabilis ssp.
C. sp. (unnamed; aff. *C. gracilentata*) (plants tufted; lvs linear to linear-lanceolate, up to 45 x 1.2 cm; upper surface and margins thinly covered in tomentum; lower surface densely covered) (S)
C. similis x *C. spectabilis* (unc)
Craspedia sp. (plants summer-green, in seepages; lvs green; lamina gradually tapering to long petiole; both surfaces clad in long multicellular (cont. cup. g))
Dolichoglottis lyallii
Gnaphalium mackayi s.s.
G. paludosum s.s. (unc) (south end of range)
Lagenifera pumila
L. strangulata
Leptinella sp.(i) (*L. pyrethriifolia* agg.)
L. sp.(ii) (unnamed; included in *L. squalida*, as ssp. *mediana*, by Lloyd and Webb, 1937)
- Microseris scapigera*
Racolla eximia var.
R. glabra (unc)
R. grandiflora var. *grandiflora*
Senecio waitavensis
Taraxacum magellanicum (unc)
- DICOT HERBS OTHER THAN COMPOSITES**
- Acaena profundincisa*
Aciphylla anomala (unc)
A. polita (a range of forms)
Anisotome aromatica
A. flexuosa
A. sp.(i) (unnamed) (included in *A. imbricata*, as var. *prostrata*, by Dawson 1961)
A. sp.(ii) (unnamed) (plants turf-forming; infls short, up to 5cm) (south end of range)
Cardamine sp. (unnamed) ("Scree Race" of Pritchard 1957) (unc)
Chionochebe pulvinatis
Colobanthus apetalus (incl. *C. a.* var. *alpinus*)
Donatia novae-zelandiae
Drosera arcturi
D. spathulata
D. stenopetala
Epilobium chloerifolium
E. cockayneanum (unc)
E. macropus (unc)
E. pernitens
E. sp. (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engellhorn, 1971)

- Euphrasia monroi
- E. townsonii
- E. sp. (E. petriei agg.) (perennial plants up to 2cm tall, in seapages, with slender spreading and branching stems, bearing retrorse hairs above ground; lvs fleshy, 3-lobed, very variable in shape, with scattered glandular hairs on margins; calyx with dark markings on margins and keel of lobes; calyx tube, but not the lobes, densely covered in glandular hairs over dense retrorse non-glandular hairs; corolla c. 1.8 cm diam, white, with yellow throat)
- Forstera mackayi
- F. tenella
- F. sp. (unnamed; aff. F. sedifolia) (fls much smaller than in F. sedifolia)
- Gentiana bellidifolia (unc) (south end of range)
- G. montana (incl. G. montana var. stolonifera, G. patula, and G. bellidifolia var. pulchella)
- G. spenceri
- G. sp. (i) (unnamed; aff. G. divisa) (biennial; lvs linear-spathulate; inflorescence forming a ball-like mass almost hiding lvs)
- G. sp. (ii) (unnamed; included in G. bellidifolia, as var. australis, var. by Cheeseman 1925)
- Getanium sp. (unnamed; aff. G. microphyllum)
- Geum sp. (G. parviflorum agg.) (unc) (south end of range)
- Kelleria dieffenbachii (unc)
- K. tessellata
- Montia fontana ss.
- Nertera balfouriana
- N. ciliata
- N. depressa (incl. N. cunninghamii)
- Notothlaspi sp. (unnamed) (N. australe auct., non Thlaspi australe Hook. f.)
- Oreomyrrhis colensoi s.s. (incl. O.c. var. hispida and O.c. var. multifida)
- Oreoporanthera alpina (south end of range)
- Ourisia caespitosa var. gracilis
- O. lactea ssp. lactea
- O. sp. (unnamed) (plants creeping, prostrate, forming extensive patches on damp banks beside streams in beech forest; lf lamina up to 1x1 cm)
- Oxalis magellanica
- Phyllachne colensoi var.
- Pratia angulata agg.
- Psychrophila novae-zealandiae
- Ranunculus gracilipes
- R. reflexus
- R. verticillatus
- Schizelima haastii s.s.
- Viola cunninghamii
- Wahlenbergia albomarginata var.

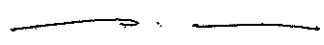
No. of indigenous species: 273.

ERRONEOUS RECORDS

Poa acicularifolia (Bell 1973)
Luzula tufa (Bell 1973)

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(cont. from p. 7 - *Craspedia* sp.)
non-glandular hairs, with or without cottony tips, over short glandular hairs; margins \pm faintly white with cottony hairs; fls white)

