

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS)  
OF SNOWDEN RA<sup>T</sup>, N.W. NELSON, 3500-6089 FT (1060-1850 M)

(† East of Anatoki Thrust)

A.P. Druce, Botany Division, D.S.I.R. May 1981

(revised June 1981, May 1982, Sept 1982, June 1983

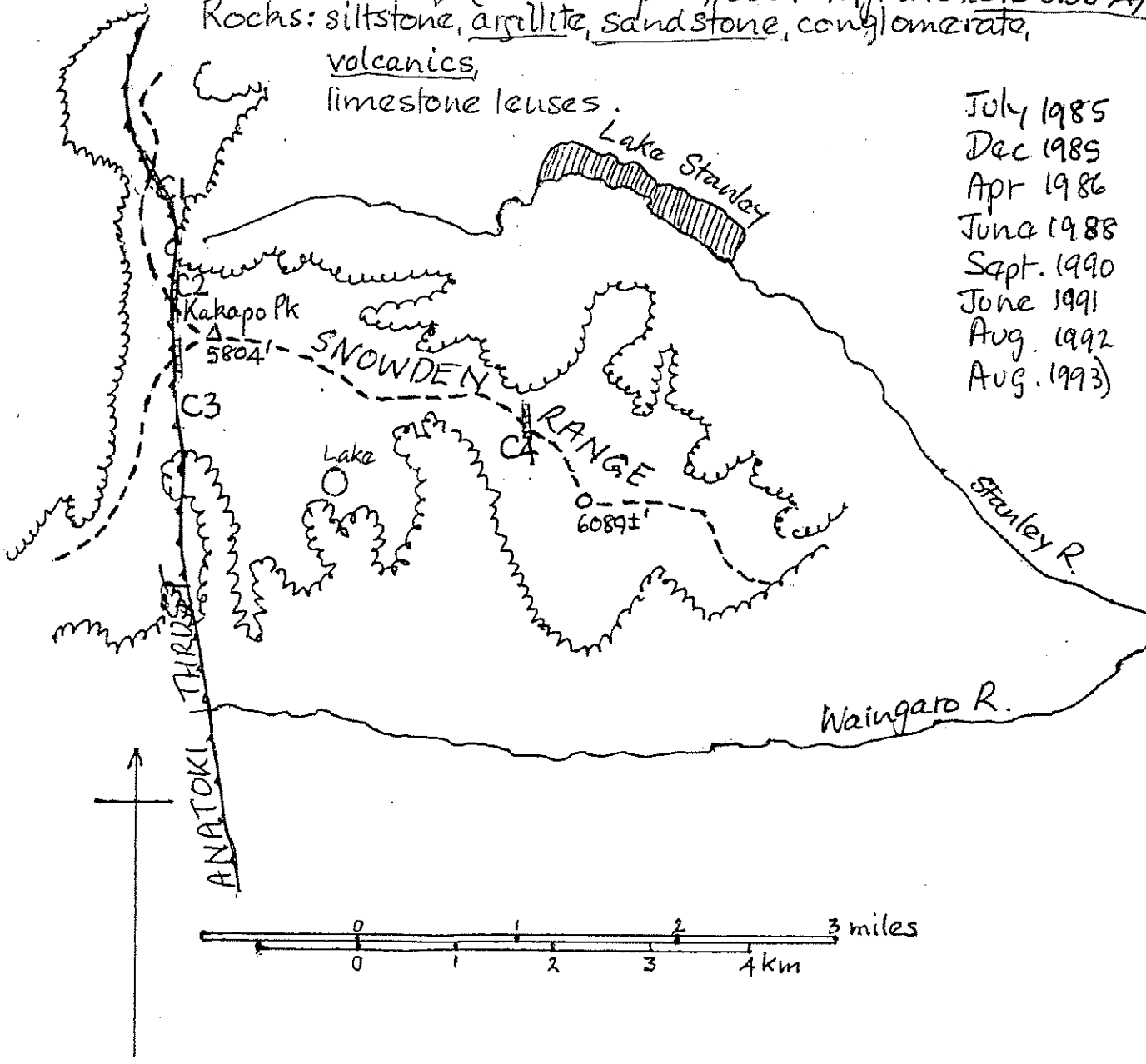
(Based on visits 1958, 1970, 1980, 1981, 1983, 1984, July 1983  
June 1984, Feb. 1985, Oct. 1990) Dec. 1984  
May 1985

Highest peaks: Kakapo Peak, 5804 ft, grid.ref S8 973612)

→ (unnamed peak), 6089± ft, grid.ref S13 015594)

Rocks: siltstone, argillite, sandstone, conglomerate,  
volcanics,  
limestone lenses.

- July 1985
- Dec 1985
- Apr 1986
- June 1988
- Sept. 1990
- June 1991
- Aug. 1992
- Aug. 1993



\*Indicates plants seen only on calcareous rocks (C1-4 above)  
(rocks elsewhere non-calcareous)  
(unc) - uncommon or local

# INDIGENOUS SPECIES

## GYMNOSPERM TREES AND SHRUBS

- Lepidothamnus laxifolius
- Phyllocladus alpinus agg.
- Podocarpus nivalis

- C. depressa
- C. foetidissima
- C. perpusilla ssp. perpusilla
- \*C. propinqua ssp. propinqua (unc)

## DICOT TREES

- Dracophyllum traversii (incl. D. pyramidale)
- Griselinia littoralis
- Hoheria lyallii var. (H. glabrata) (unc)†
- Nothofagus menziesii
- N. solandri var. cliffortioides
- Pseudopanax linearis
- P. simplex (incl. P. s. var. sinclairii)
- P. sp. (unnamed; included in P. colensoi, as var. fiordensis and as var. ternatus, by Wardle 1968)

- C. pseudocuneata ssp. (lvs narrower than in ssp. pseudocuneata)
- C. rugosa ssp. rugosa (unc)
- C. sp. (i) (unnamed; aff. C. pseudocuneata) (low-growing shrubs with small, thick, arcuate lvs)
- C. sp. (ii) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman)
- C. cheesemanii X C. ciliata (unc)
- Cyathodes dealbata (incl. C. pumila)
- C. sp. (C. juniperina agg.) (lvs small, us. < 1cm X < 1mm) (unc)

## DICOT SHRUBS

- Aristotelia fruticosa var.
- Brachyglottis adamsii
- B. bidwillii var. viridis
- Brotundifolia var. (incl. B. buch-ananii and B. cockaynei) (unc)
- Cassinia vauvilliersii
- Coprosma atropurpurea
- C. cheesemanii s.s.
- C. ciliata ssp. ciliata
- C. colensoi s.s.

- Dracophyllum longifolium var. (incl. D. filifolium and D. divarici)
- D. pubescens var. pubescens
- D. uniflorum
- Exocarpus bidwillii
- Gaultheria crassa
- G. depressa
- G. sp. (unnamed; included in G. depressa, as var. novae-zelandiae by Franklin 1962)

† mostly dead, a few young plants

*Hebe albicans* var. *albicans*  
*H. cauterburienensis*  
*H. ciliolata*  
*H. cockayneana* var.  
*H. epactidea* var. *epactidea*  
*H. haastii* var. (cf. var. *humilis*;  
 see Moore 1961, p. 940)  
*H. macrantha* var. *brachyphylla*  
*H. ochracea* (unc)  
*H. odora* s.s.  
*H. tetragona* var. (*H. coarctata*)  
*H. topiaria*  
*H. sp.(i)* (*Leonohebe masoniae*\*)  
 \* *H. sp.(ii)* (unnamed) (lvs up to 4x1  
 cm, elliptic-oblong, bright  
 green; upper surface very  
 glossy) (C1 + C2) (unc)  
 \* *H. albicans* x *H. sp.(ii)* (unc)

↑ *Leucopogon fraseri* s.s.  
*L. suaveolens* (incl. *Cyathodes*  
*colensoi*)  
*Melicytus* sp. (unnamed)  
*Helichrysum intermedium* var.

*Myrsine divaricata* s.s.  
*M. nummularia*  
*Olearia colensoi* var. *colensoi*  
 (W end of range only, unc)  
*O. nummularifolia* var. (lvs  
 distinctly longer than broad,  
 rather than suborbicular as  
 in var. *nummularifolia*)

*Pentachondra pumila*  
*Pimelea oreophila*  
*Pittosporum anomalum*  
*P. rigidum* var. (*P. crassicaule*)  
*Traversia baccharoides*

**DICOT LIANES AND RELATED/  
TRAILING PLANTS**

*Muehlenbeckia axillaris*  
*Rubus cissoides* var. (leaflets  
 broader than in var. *cissoides*)  
 (unc)

**LYCOPODS**

*Lycopodium australianum*  
*L. fastigiatum*

**FERNS**

*Asplenium hookerianum* (unc)  
 \* *A. lyallii* (unc)  
*A. richardii* (unc)

*Blechnum fluviatile* agg.  
*B. penna-marina*  
*B. procerum*  
*Cyathea colensoi* (unc)  
*Cystopteris tasmanica*  
*Grammitis billardierei*  
*G. patagonica*  
*G. poeppigiana*  
*Hypolepis millefolium*  
*Polystichum cystostegia* (unc)  
*P. vestitum*

\* (incl. *L.m.* var. *rotundata*)

**ORCHIDS**

*Adenochilus gracilis*  
*Caladenia lyallii*  
*Chiloglottis cornuta*  
*Corybas macranthus* (unc)  
*C. trilobus* ss.  
*Prasophyllum colensoi*  
*Pterostylis venosa*

**GRASSES**

*Agrostis dyeri* ss.  
*A. sp.* (unnamed; aff. *A. dyeri*)  
 (panicle not contracted as in  
*A. dyeri*)  
*A. muelleriana*  
*A. personata*  
*Chionochloa australis*  
*C. conspicua* ssp. *conspicua*  
*C. pallens* ssp. *pallens*  
  
*C. rubra* var. *occulta*  
*C. sp.* (unnamed) (*C. flavescens* auct.  
 South Island, non *C. flavescens*  
 Zotov)  
*C. conspicua* X *C. rubra* (unc)  
*Deschampsia novae-zelandiae*  
*D. tenella*  
  
*Deyeuxia aucklandica*

*Elymus hardwoides*  
*E. sp.* (aff. *E. rectisetus*) (plants  
 ± glaucous; awns 4-6 cm long)  
*Festuca sp.* (i) (unnamed; aff. *F.*  
*rubra*)  
*F. sp.* (ii) (aff. *F. matthewsii*) (tufted but  
 not tussock-forming, glaucous)  
*Hierochloa novae-zelandiae*  
*H. recurvata*  
*Koeleria cheesemani*  
*K. sp.* (*K. novozelandica* agg.)  
 (plants slender, rhizomatous)

*Lachnagrostis lyallii* s.s. (incl.  
*L. filiformis* var. *semiglabra*)

*Microlaena colensoi* s.s.

*Poa breviglumis*  
*P. celsa*  
*P. colensoi*  
*P. dipsacea* (unc)  
*P. imbecilla*  
*P. kirkii*  
*P. maia*  
*P. subvestita*  
  
*P. sp.* (unnamed; aff. *P. novae-*  
*zelandiae*)

*Rytidosperma buchananii* (unc)  
*R. gracile*  
*R. nigricans*  
*R. setifolium*  
*Trisetum youngii*  
*T. sp.* (unnamed; plants slender;  
 If sheath usually glabrous; If blade flat,  
 margins smooth, vs. with a few hairs  
 near ligule)

**SEDGES**

*Carex aciculatis*  
*C. cockayneana*  
*C. echinata* var. (*C. stellulata*  
 var. *australis*)  
  
*C. gaudichaudiana*  
*C. goyoni* (unc)  
*C. libera*  
*C. pyrenaica* var. *cephalotes* (unc)

*C. sinclairii*  
*C. wakatipu* s.s. (unc)  
*C. sp.* (unnamed; aff. *C. coriacea*)  
 (lvs slender, bright green)  
*Carpha alpina* s.s.  
*Gahnia procera*  
*Isolopis aucklandica*  
*I. habra*  
*Oreobolus pectinatus*  
*Schoenus pauciflorus* s.s. ("slender  
 form" of Edgar 1970, p. 194)  
*Uncinia caespitosa* var.  
*U. clavata*  
*U. divaricata*  
*U. filiformis*  
*U. fuscovaginata* var. (plants glaucous)  
*U. involuta*  
*U. longifructus*  
*U. nervosa* s.s.  
*U. rupestris* (incl. *U. angustifolia*)  
*U. silvestris* (incl. *U. affinis*)  
*U. sp.* (unnamed) (*U. affinis* sensu  
 Hamlin 1959, non *U. riparia* var.  
*affinis* Col. ex Clarke)

**RUSHES**

*Juncus antarcticus*  
*J. novae-zelandiae*  
*J. pusillus* (unc)  
*Luzula colensoi*  
*L. migrata*  
*L. rufa* s.s.  
*L. sp.* (i) (unnamed; included in *L.*  
*pecta*, as var. *limosa*, by Edgar 1966)  
*L. sp.* (ii) (unnamed; included in *L.*  
*chinitor*, as var. *petricana*, by Edgar  
 1966)  
*Marsippospermum gracile* (unc)

**MONOCOT HERBS OTHER THAN  
 ORCHIDS, GRASSES, SEDGES, RUSHES**

*Anthropodium candidum* (unc)

*Astelia graminea*  
*A. lineatis* var. *linearis*  
*A. nervosa* s.s.  
*A. nivicola* s.s. (unc)  
*A. petrici*  
 \* *Libertia peregrinans* (unc)  
*Phormium cookianum*  
*Potamogeton cheesemani* (unc)

**COMPOSITE HERBS**

*Anaphalis sp.* (*Halidrysium bellidi-*  
*oides* s.s.)  
*Brachyglottis sp.* (unnamed; in-  
 cluded in *B. bellidioides*, as  
 var. *crassa*, by Nordenstam  
 1978)

*Brachyscome radicata*  
*B. sinclairii* s.s.  
*Celmisia alpina* s.s.

*C. bellidioides*

*C. gibbsii*  
*C. hieraciifolia* ssp.  
*C. incana* (incl. *C. discolor*)  
*C. laricifolia*  
*C. lateralis* (incl. *C. l.* var. *villosa*)  
*C. montoi* ssp. (*C. coriacea* var.  
*laucifolia*)  
*C. sinclairii* (incl. *C. callanii* & *C. durietzii*)  
*C. rupestris* (unc)  
*C. sessiliflora*  
*C. similis* (unc)  
*C. spectabilis* ssp.  
*C. traversii*  
*C. sp.* (aff. *C. gracilentata*) (plants  
 strongly rhizomatous)  
*C. sessiliflora* x *C. traversii* (unc)  
*C. s.* x *C. sp.* (*C. alpina*, *C. laricifolia*,  
 or *C. similis*) (unc)  
*C. similis* x *C. spectabilis* (unc)  
*C. spectabilis* x *C. traversii* (unc)

*Craspedia* sp.(i) (unnamed; included in *C. lanata*, as var. *elongata*, by Allan 1961) (summer-green; lvs elliptic-spathulate, white or greenish white, both surfaces ± clad in cottony hairs; fls white)

*C.* sp.(ii) (summer-green; lvs narrowly elliptic-spathulate, green, both surfaces densely clad in short glandular hairs; fls white)

*C.* sp.(iii) (summer-green; lvs narrowly obovate-spathulate, green, both surfaces densely clad in short non-glandular hairs; fls white)

*Dolichoglottis scorzonaroides*

*Gnaphalium mackayi* s.s.

*G. paludosum* s.s.

*G. ruahnicum*

*G. traversii*

*Haastia sinclairii* s.s.

*Laganifera petiolata*

*L. strangulata*

*Leptinella pyrothrifolia* agg.

*L.* sp. (unnamed; included in *C. squalida*, as ssp. *mediana*, by Lloyd & Webb, 1987)

*Leucogenes grandiceps*

*Microseris scapigera* var.

\* *Pseudognaphalium* sp. (unnamed; aff. *P. luteoalbum*) (mountain sp.; lvs mostly oblong-spathulate to narrowly oblong, rounded; involueral bracts light brown) (unc)

*Raoulia apicinigra* s.s.

*R. eximia* var. (*R. tubra*)

*R. glabra*

*R. grandiflora* var. *grandiflora*

*Senecio waitavensis*  
*Taraxacum magellanicum*

## DICOT HERBS OTHER THAN COMPOSITES

*Acaena ansetinifolia*

*A. fissistipula*

*A. inermis*

*A. profunde incisa*

*A. saecaticupula* (unc)

*A. ansetinifolia* X *A. inermis*

*Aciphylla ferox*

*A. polita* (a range of forms)

*A.* sp. (unnamed; aff. *A. glaucescens*)

*A. ferox* X *A. polita*

*Anisotome aromatica*

*A. deltoidea*

*A. filifolia*

*A. haastii*

*A. pilifera*

*Cardamine* sp.(i) (unnamed) (lvs mostly simple; blades ± reniform)

*C.* sp.(ii) (unnamed) ("Scree Race" of Pritchard 1957)

*C.* sp.(iii) (*C. debilis* agg.) (cf. "Long Style" of Pritchard 1957)

*C.* sp.(iv) (*C. debilis* agg.) ("Glossy leaf" of Pritchard 1957)

*Cheesemania latifolia* (incl.

*C. gibbsii*)

*Colobanthus aciculatus*

*C. affinis*

*C. apetalus* (incl. *C. a.* var. *alpinus*)

*C. buechananii* s.s.

*C. canaliculatus*

*C. strictus*

*C. wallii* (incl. *C. masoniae*)

*C.* sp. (unnamed) (lvs and sepals strongly acicular; lvs unbordered sepals 5, broader than lvs, without a thickened midrib) (unc)

*C. acicularis* X *C. wallii* (unc)  
*C. canaliculatus* X *C. wallii* (unc)  
*Drosera arcturi*  
*Epitobium atriplicifolium* ss.  
*E. brunnescens* ss  
*E. chlorifolium*  
*E. cockayneanum*  
 \* *E. elegans* (C3) (unc)  
*E. glabellum* ss.  
*E. komarovianum* (unc)  
*E. linnaeoides*  
*E. macropus*  
*E. margaretiae*  
 \* *E. nummulariifolium*  
*E. pernitens*  
*E. porphyrium*  
*E. pubens*  
*E. pycnostachyum*  
*E. submarginatum*  
*E. tasmanicum*  
*E. sp. (i)* (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven & Engellhorn, 1971)  
*E. sp. (ii)* (unnamed; aff. *E. glabellum*)

fls creamy white)

*Geranium* sp. (aff. *G. microphyllum*)  
*G. sessiliflorum* var. *novae-zeelandiae*  
*Geum leiospermum*  
*G. sp.* (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13mm diam.)  
*Gingidia decipiens*  
*Gonocarpus aggregatus*  
*Hydrocotyle heteromeria*  
*H. moschata* (unc)  
*H. sulcata*  
*H. sp.* (unnamed; included in *H. novae-zeelandiae*, as var. *montana*, by Kirk 1899)  
*Kelleia multiflora*  
*K. tessellata*  
*Lilaeopsis ruthiana* (unc)  
*Limosella lineata* (unc)  
*Lobelia roughii*  
*Mentha cunninghamii*  
*Montia fontana* ss.

*E. porphyrium* X *E. sp.* (*E. glabellum*?) (unc)

*Euphrasia townsonii* ss.

*E. zelandica* agg.

*E. sp. (i)* (unnamed; aff. *E. laingii*)

*E. sp. (ii)* (unnamed; aff. *E. petriei*)

*Forstera mackayi*

*F. sedifolia* ss. (unc)

*F. tenella*

*Galium perpusillum* ss.

*Gentiana bellidifolia*

*G. filipes*

*G. gracilifolia* (incl. *G. vernicosa*)

*G. sp. (i)* (unnamed; aff. *G. corymbifera*) (unc)

*G. sp. (ii)* (unnamed; aff. *G. bellidifolia*) (stems decumbent, lvs very glossy;

*Myosotis macrantha*

*M. traversii* ss.

*M. sp. (i)* (unnamed; included in *M. pygmaea*, as var. *drucei*, by Mootz 1961)

*M. sp. (ii)* (*M. australis* agg.) (fls small, white)

*M. sp. (iii)* (*M. australis* agg.) (fls yellow) (unc)

*Myriophyllum propinqua* (unc)

*M. triphyllum* (unc)

*Neopaxia* sp. (incl. *Montia calycina* and *Claytonia australasica* var. *biflora*)

*Nertera balfouriana* (unc)  
*N. ciliata*  
*N. sp.* (unnamed; aff. *N. dichondri-  
folia*) (hairs present on both surfaces  
of lf, straight, not hooked as in *N.*  
*dichondriifolia*)  
*Notoklaspi sp.* (unnamed) (New Zealand  
auct. non *Thlaspi australe* Hook f.)  
*Oreomyza colensoi* s.s. (incl. *O. c.*  
var. *hispida*, and *O. c.* var. *multifida*)  
*O. sp.* (unnamed; aff. *O. ramosa*)  
*Oxysca caespitosa* ssp. *caespitosa*  
*O. lactea* ssp. *lactea*  
*O. simpsonii*  
*Oxalis magellanica*  
*Parakebe cheesemanii*  
*P. lyallii*  
*Phyllachne clavigera* (incl. *P. colensoi*)  
*Plantago lanigera* s.s.

*P. raoulii*  
*P. uniflora*  
*Pratia angulata* agg.  
*P. macrodon* s.s.  
*Psychrophila novaezealandiae*  
*Ranunculus altus* (unc)  
*R. foliosus*

*R. gracilipes* (unc)  
*R. insignis*  
*R. membranifolius*  
*R. verticillatus*  
*R. sp.* (unnamed; included in *R.*  
*lappaceus*, as var. *macrophyllus*,  
by Kirk 1899) (unc)

*Schizilema colensoi*  
*S. haastii* s.s.  
*S. nitens*  
*S. sp.* (unnamed; included in *S.*  
*haastii*, as ssp. *cyanopetalum*,  
by Domin 1908)

*Scleranthus uniflorus*  
*Stellaria decipiens* (incl. *S. parviflora*)  
*S. gracilentia*  
*Urtica incisa*  
*Viola cunninghamii*  
*V. lyallii*  
*Wahlenbergia albomarginata*  
var. *albomarginata* (incl. *W.*  
*pygmaea* var. *laxa* <sup>and</sup> *W. brocklei*)

### ADVENTIVE SPECIES

#### GRASSES

*Agrostis capillaris*  
*Poa pratensis*

#### RUSHES

*Juncus articulatus*  
*J. effusus*

#### COMPOSITE HERBS

*Cirsium vulgare*  
*Hypochoeris radicata*  
*Mycelis muralis*

#### DICOT HERBS OTHER THAN COMPOSITES

*Cerastium fontanum* ssp. *vulgare*  
*Mimulus moschatus*  
*Trifolium repens*

No. of indigenous spp.: 335.  
No. of adventive spp.: 10.



DOUBTFUL AND ERRONEOUS RECORDS

<u>Record</u>	<u>Identity of plant on which record based</u>
Aciphylla squarrosa (Pettersen 1971)	Aciphylla sp. (unnamed)
Chionochloa flavescens (Pettersen 1971)	Chionochloa sp. (unnamed)
Craspedia minor (Pettersen 1971)	Craspedia sp. (unnamed)
Euphrasia montoi (Pettersen 1971)	Euphrasia sp. (i)
Grammitis ciliata (Pettersen 1971)	Grammitis patagonica
Myosotis petiolata (Pettersen 1971)	

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