

HIGHER PLANTS (LYCOPODS, FERNS, FL. PLANTS) OF MT MYTTON† (211)

INDURATED LIMESTONE AREA AND THORNS CK BASIN, PEEL RA.,

N.W. NELSON, 1050-1600M/3450-5250 FT

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

(revised June 1981, Oct. 1981, May 1982, Sept 1982

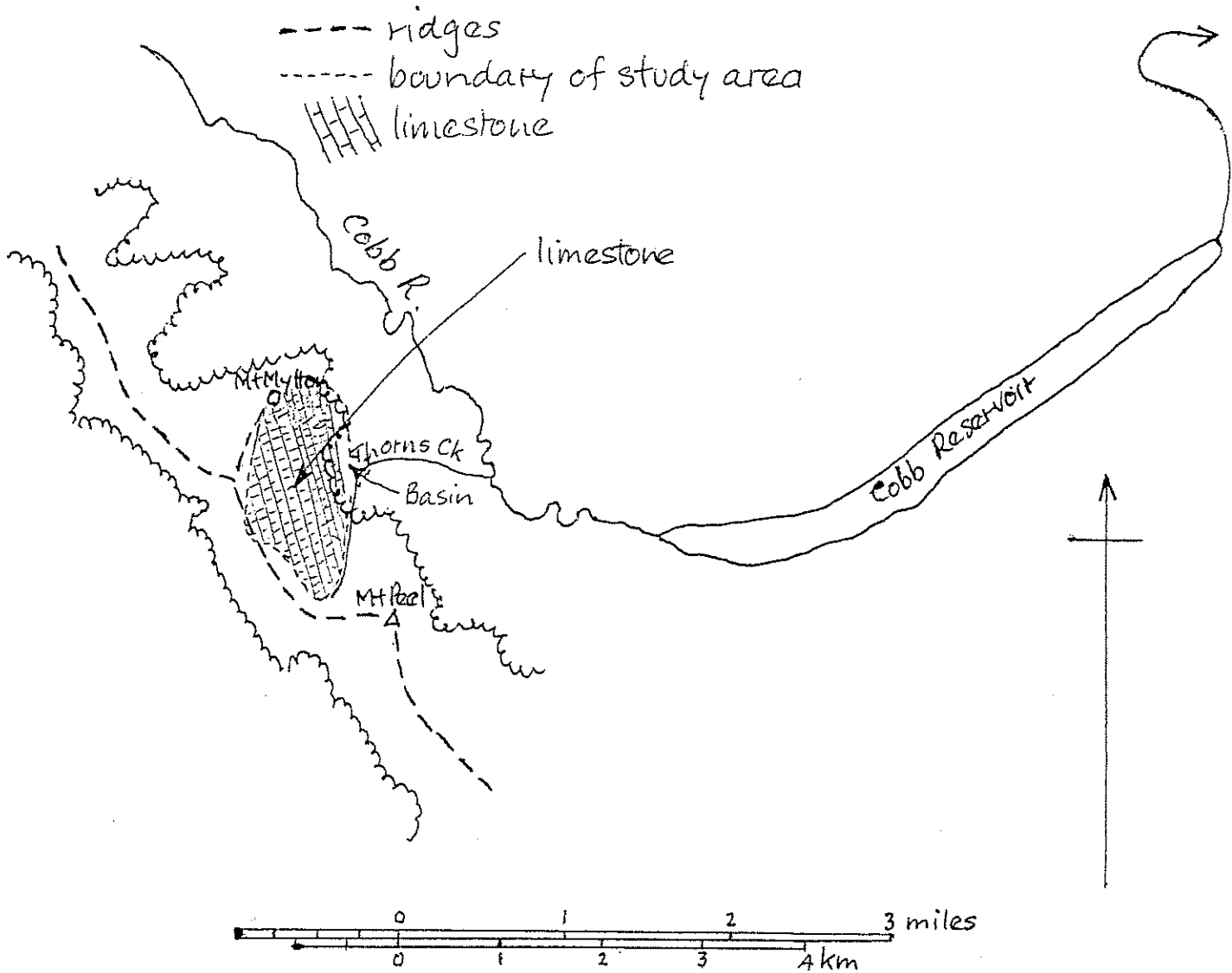
(Based on visits 1969, 1970, 1979, 1981, 1986, 1988, 1991)

June 1983  
June 1984  
Nov. 1984  
Apr. 1985  
Apr. 1986  
June 1988  
Sept. 1990  
May 1991  
Aug. 1992  
Aug. 1993

† Gnd ref. M27 745 097

‡ includes small pockets of non-calcareous rock (plants that are probably confined to these pockets are prefixed with an asterisk, e.g.

\**Dracophyllum uniflorum*)



INDIGENOUS PLANTS

(unc) - uncommon

GYMNOSPERMS

(none seen)

DICOT TREES*Fuchsia excorticata**Griselinia littoralis**Hoharia lyallii* var. (*H. glabrata*)*Nothofagus fusca**N. menziesii**N. solandri* var. *cliffortioides**Pittosporum tenuifolium* (unc) \**Pseudopanax simplex* (incl. *P. s.*  
var. *sinclairii*)DICOT SHRUBS*Aristotelia fruticosa* var.*Brachyglottis adamsii*\* *Cassinia vauvilliersii* (unc)*Coprosma atropurpurea**C. cheesemanii* s.s.*C. ciliata* ssp. *ciliata**C. depressa**C. foetidissima**C. perpusilla* ssp. *perpusilla**C. propinqua* ssp. *propinqua**C. pseudocuneata* ssp.*C. thamnoides* (incl. *C. polymorpha*)*C. rugosa* ssp. *rugosa**C. sp. (i)* (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (lf under surface not minutely hairy as is usual in *C. parviflora*; droopes usually unpigmented, occasionally purplish red)*C. sp. (ii)* (unnamed; aff. *C. colensoi*)

(low-growing shrubs with trailing branches) (unc)

*Dracophyllum longifolium* var.(incl. *D. filifolium* and *D. diverti*)*D. uniflorum**Exocarpos bidwillii**Gaultheria depressa* s.s.[ *G. sp.* (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)*G. nubicola* (unc)*Hebe albicans* var. *albicans**H. canterburienensis**H. cockayneana* var.*H. haastii* var. (aff. var. *humilis*)*H. macrantha* var. *brachyphylla**H. odora* s.s. (unc)*H. topiaria**H. sp. (i)* (unnamed) (multi-branched shrubs; lvs up to 4x1cm, elliptic-oblong, bright green; upper surface very glossy; margins very minutely serrate; margins of calyx lobes densely ciliate; corolla tube very short, = or < calyx; corolla lobes obtuse; capsule pubescent)\* *H. sp. (ii)* (*Leonohebe masoniae*) (incl. *L. m.* var. *rotundata*) (unc)  
*H. albicans* x *H. sp. (i)* (unc)

Helictysom intermedium var.  
Leucopogon fraseri s.s.

Melicytus sp.(i)(unnamed)

M.sp(ii)(unnamed; aff. M.alpinus)  
(prostrate hermaphrodite  
shrubs; branches up to  
40cm long, often rooting; lvs  
linear-oblong; fr white)(unc)

Myrsine divaricata s.s.

Olearia avicenniifolia

O.lacunosa var.lacunosa

O.nummulariifolia var. (lvs dis-  
tinctly longer than broad, rather  
than suborbicular as in var. num-  
mulariifolia)(unc)

O.virgata var. implicita (incl.  
O.divaricata and O.laxiflora)  
(unc)

Pimelea oreophila

Pittosporum anomalum

P.rigidum var. (P.crassicaule)

Pseudopanax anomalus

Traversia baccharoides

Urtica ferox

Muehlenbeckia australis

M.axillaris

M.australis X M.axillaris(unc)

Rubus cissoides var. (leaflets  
broader than in var. cissoides)

R.schmidelioides var. schmideli-  
oides

**LYCOPODS**

Lycopodium fastigiatum

**FERNS**

Asplenium flabellifolium agg.

A.flaccidum

A.lyallii

A.sp.(unnamed; aff. A.tizho-  
manes)

Blechnum fluviatile agg.

B.penna-marina

B.procerum

Cystopteris tasmanica

Grammitis billardierei

G.givenii(unc)

G.magellanicum ssp. nothofageti

G.patagonica

Hypolepis millefolium

Ophioglossum eoriaceum agg(unc)

Phymatosorus pustulatus

Polystichum vestitum

**DICOT LIANES AND RELATED**

**TRAILING PLANTS**

Clematis forsteri

**ORCHIDS**

Corybas trilobus s.s.

C.sp.(unnamed; aff. C.trilobus)(?)  
(unc)

GRASSES

- Chionochloa australis* (unc)
- C. conspicua* ssp. *conspicua*
- C. oreophila* (unc)
- C. pallens* ssp. *pallens*
  
- C. rubra* ssp. *occulta*
- C. sp.* (unnamed) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov) (unc)
- Deschampsia tenella*
- Elymus nardusoides*
- E. sp.* (aff. *E. rectisetus*) (plants glaucous)
- Festuca sp.* (i) (unnamed; aff. *F. rubra*)
- F. sp.* (ii) (aff. *F. matthewsii*) (plants tufted but not tussock-forming, glaucous)
- Hierochloa novae-zelandiae*
- Lachnagrostis lyallii* s.s. (incl. *L. filiformis* var. *semiglabra*)
  
- Microlaena colensoi* s.s.
- Poa breviglumis*
- P. celsa*
- P. cita* ssp. *cita*
- P. colensoi*
- P. imbecilla*
- Rytidosperma gracile*
- R. setifolium*
- Trisetum youngii*
- T. sp.* (i) (unnamed; included in *T. antarcticum*, as ssp. *tenellum*, by Patric 1912) (unc)

- T. sp.* (ii) (unnamed) (plants slender; lf sheath glabrous or nearly so; lf blade flat, up to 2.5 mm wide, margins smooth, usually with a few hairs near ligule)
- T. sp.* (iii) (unnamed; aff. *T. antarcticum*) (plants robust; lf sheath glabrous at least in upper part; lf blade flat, up to 7 mm wide, margins scabrid, usually with some hairs near ligule)

SEDGES

- Carex pyrenaica* var. *cephalotes* (unc)
- C. sinclairii*
- C. trachycarpa*
- C. wakatipu* s.s.
- C. sp.* (i) (unnamed) (unc)
  
- C. sp.* (ii) (unnamed; aff. *C. testacea*) (lvs broader than in *C. testacea*, usually reddish; utricles margins not scabrid)
- C. sp.* (iii) (unnamed; aff. *C. coriacea*) (lvs slender, bright green; utricles faintly to obscurely nerved; beak minute or absent)

- Schoenus pauciflorus s.s. ("slender A. sp. (ii) (unnamed; aff. A. nervosa) form" of Edgar 1970, p. 194)  
 Uncinia clavata  
 U. divaricata  
 U. drucei (unc)  
 U. filiformis  
 U. fuscovaginata var. (plants glaucous)  
 U. tubra  
 U. silvestris (incl. U. affinis)  
 U. sp. (unnamed) (U. affinis sensu Hamlin 1959, non U. riparia var. affinis Col. ex Clarke; see Nootboom 1978)

#### RUSHES

- Luzula migrata  
 L. sp. (i) (unnamed; included in L. chinita, as var. petricana, by Edgar 1966) (unc)  
 L. sp. (ii) (unnamed; included in L. picta, as var. limosa; by Edgar 1966)  
 Matsippospermum gracile

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

- Arthropodium candidum  
 \*Astelia graminea (unc)  
 A. nervosa s.s.  
 A. sp. (i) (unnamed; included in A. nivicola, as var. moriceae, by Mootz 1966)

- A. sp. (ii) (unnamed; aff. A. nervosa) (lvs broad, not conspicuously white adaxially as in A. nervosa)  
 Bulbinella hookeri  
 Phormium cookianum

#### COMPOSITE HERBS

- Abrotanella linearis s.s.  
 Anaphalis sp. (Helichrysum bellidifoides s.s.)  
 Brachyglottis sp. (undetermined)  
 Calmistia incana (incl. C. discolor)  
 C. monroi ssp.  
 \*C. spectabilis ssp. (unc)  
 C. traversii  
 Craspedia sp. (i) (unnamed; included in C. lanata, as var. elongata, by Allan 1961) (plants summer-green; lvs elliptic-spathulate white or greenish white, both surfaces clad in cottony hairs; fls white) (unc)  
 C. sp. (ii) (unnamed) (plants summer-green; lvs elliptic-spathulate, green, both surfaces densely clad in short glandular hairs < 0.3 mm long; midrib with or without long, non-glandular, multicellular hairs; margins  $\pm$  faintly white with cottony hairs; fls white)  
 C. sp. (iii) (unnamed) (plants summer-green; lvs green, both surfaces clad in multicellular, non-glandular hairs with cottony tips, over short gland-

ular hairs; margins ± white with cottony hairs; fls white)

Aciphylla anomala

- \*A. ferox (unc)
- A. sp. (unnamed; aff. A. glaucescens)
- Anisotome aromatica
- A. filifolia
- A. pilifera
- Cardamine sp. (i) (C. debilis agg.)

Gnaphalium mackayi s.s.

G. vahinicum

Lagenifera petiolata

L. strangulata

Leptinella sp. (unnamed; included in L. squalida, as ssp. mediana, by Lloyd and Wobb, 1987)

Microseris scapigera var.

Pseudognaphalium sp. (unnamed; aff. P. luteoalbum) (lvs mostly oblong-spathulate to narrowly oblong, rounded)

\*Raoulia glabra (unc)

Senecio glaucophyllus ssp.

glaucophyllus

S. wairavensis

Taraxacum magellanicum

C. sp. (ii) (C. debilis agg.) (cf. "Glossy leaf" of Pritchard 1957)

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

C. sp. (iv) (aff. C. corymbosa)

C. sp. (v) (unnamed) (lvs mostly simple, occasionally with up to two pairs of pinnules; blade ± reniform)

C. sp. (vi) (unnamed) ("Sneeze Race" of Pritchard 1957)

Cheesemania latifiliqua (incl.

C. gibbsii)

Colobanthus affinis

C. canaliculatus

C. strictus

C. sp. (unnamed) (lvs and sepals strongly acicular; lvs unbordered; sepals 5, broader than lvs)

DICOT HERBS OTHER THAN COMPOSITES

Acaena ansetiniifolia

A. fissistipula

A. profundeincisa

Epilobium brunnescens s.s. (unc)

E. chlorifolium

E. cockayneanum

E. glabellum s.s.

- E. gracilipes
- E. linnaeoides
- E. vernicosum
- E. sp. (unnamed; included in E. brunnescens, as ssp. minutiflorum, by Raven and Engelson, 1971)
- E. glabellum X E. vernicosum
- Euphrasia cheesemani
- E. sp. (unnamed; aff. E. laingii)
- Forstera tenella (unc)
- Galium perpusillum ss.
- Gentiana filipes
- G. sp. (unnamed; aff. G. corymbifera)
- Getanium sessiliflorum var. n.3. (unc)
- G. sp. (unnamed; aff. G. microphyllum)
- Geum leiosperrum
- G. sp. (G. parviflorum agg.) (stock short; terminal leaflet about as long as broad; fls up to 13mm diam.)
- Gingidia decipiens
- Gonocarpus aggregatus
- Hydrocotyle heterometra
- H. microphylla
- H. sulcata
- H. sp. (unnamed; included in H. novae-zealandiae, as var. montana, by Kirk 1899)
- Kelleria multiflora
- Mentha cunninghamii

- Neopaxia sp. (incl. Montia calycina and Claytonia australasica var. biflora)
- Montia fontana ss.
- Myosotis macrantha
- M. forsteri
- M. sp. (M. australis agg.) (fls small, white) (unc)
- Nettlera sp. (unnamed; aff. N. dichondrifolia) (hairs present on both surfaces of lf, straight, not hooked as in N. dichondrifolia)
- Nototlaspi sp. (unnamed) (N. australe auct, non Thlaspi australe Hook. f.)
- Oreomyrrhis colensoi s.s. (incl. O.c. var. hispida and O.c. var. multifida)
- O. sp. (unnamed; aff. O. ramosa)
- Ourisia lactea ssp. lactea
- Oxalis magellanica
- Plantago lanigera sl.
- P. raoulii
- Pratia angulata agg.
- Psychrophila novae-zealandiae (unc)
- Ranunculus altus
- R. insignis
- R. membranifolius
- R. mitus
- R. verticillatus
- R. sp. (i) (unnamed; included in R. leppaceus, as var. macrophyllus, by Kirk 1899)

Rsp.(ii)(undetermined)

*Schizanthus trifoliolatus*  
*Scletanthus uniflorus*  
*Stellaria decipiens* (incl. *S.*  
*parviflora*)

*Urtica incisa*

*Viola cunninghamii*

*V. filicaulis*

*V. lyallii*

*Wahlenbergia albomarginata*

var. *albomarginata* (incl. *W.*

*pygmaea* var. *laxa* <sup>and</sup> *W. brockiei*)

### COMPOSITE HERBS

*Achillea millefolium*

*Hypochoeris radicata*

*Lactanthemum vulgare* (unc)

*Mycelis muralis*

*Senecio jacobaea*

### DICOT HERBS OTHER THAN COMPOSITES

*Arenaria serpyllifolia*

*Cerastium fontanum* ssp. *vulgare*

*Myosotis laxa* ssp. *caespitosa*

*Prunella vulgaris*

*Rumex acetosella*

*Trofolium repens*

*Veronica* sp.

### ADVENTIVE PLANTS

No. of indigenous spp. : 228.

No. of adventive spp. : 21.

### GRASSES

*Agrostis capillaris*

*Anthoxanthum odoratum*

*Dactylis glomerata*

*Festuca nigrescens*

*Holcus lanatus*

*Poa pratensis*

### SEDGES

*Carex ovalis*

### RUSHES

*Juncus articulatus*

*J. effusus*



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