

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF XENICUS PEAK, MT GIBBS†, ROUND L., AND LAKES SOUTH-WEST OF ROUND L., N.W. NELSON, 1150-1575 M

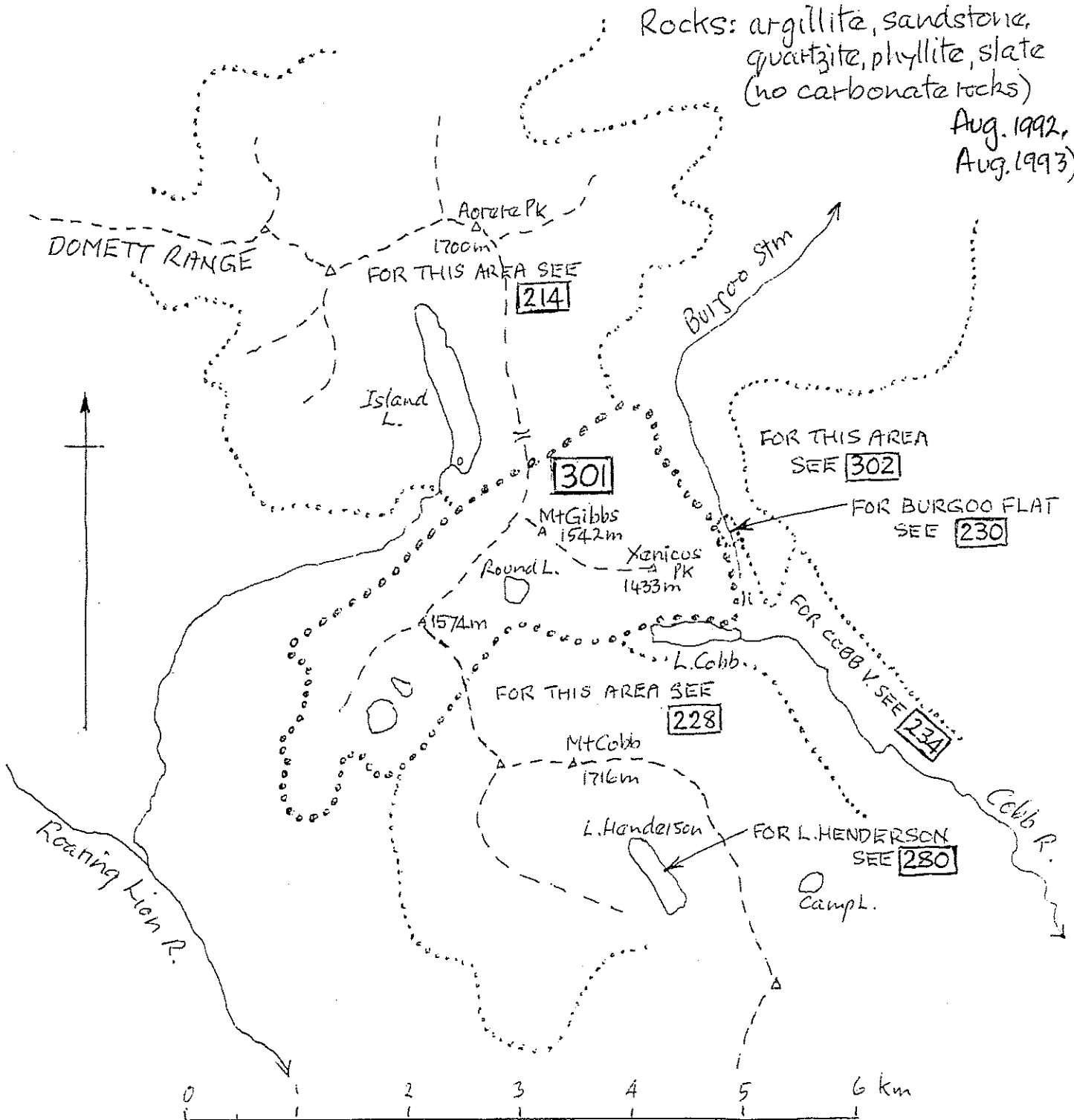
† Ghd. ref. M26 678176; alt. 1542m

A.P. Druce, Wellington, June 1988 (revised Oct. 1989,  
(Based on visits 1970-1991)

May 1990,  
May 1991,

Rocks: argillite, sandstone,  
quartzite, phyllite, slate  
(no carbonate rocks)

Aug. 1992,  
Aug. 1993)



# INDIGENOUS PLANTS

(unc) - uncommon

## GYMNOSPERM TREES AND SHRUBS

*Halocarpus bidwillii*  
*H. biformis*  
*Lepidothamnus laxifolius*  
*L. intermedius* X *L. laxifolius*  
*Phyllocladus alpinus* agg.  
*Podocarpus nivalis*

*C. colensoi* s.s. (unc)  
*C. crenulata*  
*C. depressa*  
*C. perpusilla* ssp. *perpusilla*  
*C. pseudocuneata* ssp.  
*C. serrulata* (unc)  
*C. sp. (i)* (unnamed; aff. *C. pseudocuneata*) (low-growing shrubs with small, thick, arcuate lvs)

## DICOT TREES

*Dracophyllum traversii* (incl. *D. pyramidale*)  
*Griselinia littoralis* (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) (unc)

*C. sp. (ii)* (unnamed; aff. *C. colensoi*) (low-growing shrubs with trailing branches)  
*C. sp. (iii)* (unnamed) (*C. parviflora* var. *dumosa* sensu Allan 1961, non *C. p. var. dumosa* Cheeseman)  
*C. cheesemani* X *C. ciliata* (unc)  
*Cyathodes dealbata* (incl. *C. pumila*)  
*C. ampelrifolia*  
*Dracophyllum longifolium* var. (incl. *D. filifolium* and *D. oliveri*)

## DICOT SHRUBS

*Archeria traversii* (incl. *A. t. var. australis*)  
*Aristotelia fruticosa* var.  
*Brachyglottis adamsii*  
*B. bidwillii* var. *viridis*  
*B. rotundifolia* var. (incl. *B. buchananii* and *B. cockaynei*)  
*Cassinia vauvilliersii*  
*Coprosma cheesemani* s.s.  
*C. ciliata* ssp. *ciliata*

*D. pubescens* var. *pubescens*  
*D. uniflorum*  
*Epactis alpina*  
*Exocarpus bidwillii*  
*Gaultheria crassa*  
*G. depressa* s.s.  
*G. sp.* (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)  
*G. crassa* X *G. sp.* (unnamed)

*Habe albicans* var. *albicans*  
*H. canterburyensis*  
*H. ciliolata*  
*H. cockayneana* var.  
*H. haastii* var. (aff. var. *humilis*;  
 see Moore 1961, p. 940)  
*H. macrantha* var. *brachyphylla*  
*H. odora* s.s.  
*H. tetragona* var. (*H. coarctata*)  
*H. topiaria*  
*H. sp.* (*Leonohebe masoniae*)  
*Helictysum intermedium* var.  
*Leptospermum scoparium*  
*Leucopogon fasciculatus* var.  
*L. fraseri* s.s.  
*Melicytus sp.* (unnamed)  
*Myrsine divaricata* s.s.  
*M. nummularia*  
*Olearia capillaris* (unc)  
*O. colensoi* var. *colensoi*  
*O. lacunosa* var. *lacunosa*  
*O. nummulariifolia* var. (lvs  
 distinctly longer than broad,  
 rather than suborbicular as  
 in *nummulariifolia*)  
*Pentachondra pumila*  
*Pimelea oreophila*  
*Pittosporum anomalum*  
*P. rigidum* var. (*P. crassicaule*)  
*Pseudopanax anomalus*

## DICOT LIANES AND RELATED

### TRAILING PLANTS

*Muehlenbeckia axillaris*  
*Rubus parvus*

## QUILLWORTS

*Isaetes alpinus*

## LYCOPODS

*Lycopodium australianum*  
*L. fastigiatum*  
*L. scariosum*  
*L. varium* (incl. *L. billardierei*  
 and *L. novae-zelandiae*)

## FERNS

*Asplenium flaccidum*  
*Blechnum fluviatile* agg.  
*B. penna-martina*  
*B. procerum*  
*B. sp.* (unnamed) (mountain sp.; lower  
 pinnae not reduced in length) ("T  
 Dunedin-Cass Variety" of Crookes 1967)  
*Cyathea colensoi*  
 \**Cystopteris tasmanica*  
*Grammitis billardierei*  
*G. magellanica* ssp. *nothofagei* (unc)  
 \**G. patagonica*  
*G. poeppigiana*  
*Hymenophyllum multifidum*  
*H. peltatum* (unc)  
*H. villosum*  
*Hypolepis millefolium*  
*Paesia scaberula* (unc)  
*Polystichum cystostegia* (unc)  
*P. vestitum*

## ORCHIDS

*Aporostylis bifolia*  
*Caladenia lyallii*  
*Chiloglottis cornuta*  
*Corybas mactanthus*  
*Prasophyllum colensoi*  
*Pterostylis venosa* (unc)  
*Thelymitra sp.*

\* Seen only under overhanging cliffs

## GRASSES

- Agrostis dyeri* s.s.  
*A. sp.* (unnamed; aff. *A. dyeri*)  
(panicle not contracted as  
in *A. dyeri*)  
*Chionochloa australis*  
  
*C. pallens* ssp. *pallens*  
  
*C. rubra* ssp. *occulta*  
*C. sp.* (unnamed) (*C. flavescens*  
auct. S.I., non *C. flavescens* Zotov) (unc)  
*C. australis* X *C. pallens* (unc)  
*C. rubra* X *C. sp.* (unnamed) (unc)  
*Deschampsia tenella*  
*Deyeuxia aucklandica*  
*Festuca sp.* (cf. *F. matthewsii*)  
(plants tufted, but not tussock-  
forming, glaucous)  
*Hierochloa novae-zelandiae*  
*Microlaena colensoi* s.s.  
*Poa breviglumis*  
*P. celsa*  
*P. colensoi*  
*P. dipsacea* (unc)  
*Rytidosperma gracile*  
*R. nigricans*  
*R. setifolium*  
*Trisetum youngii* (unc)

## SEDGES

- Carex acicularis*  
*C. echinata* var. (*C. stellulata*  
var. *australis*)  
*C. gaudichaudiana*  
*C. libera*  
*C. pyrenaica* var. *cephalotes* (unc)  
*C. sinclairii*

*C. trachycarpa* (unc)

*Carpha alpina* s.s.

*Eleocharis acuta*

*Gahnia procera*

*Isolepis aucklandica*

*Oreobolus impar* (unc)

*O. pectinatus*

*O. strictus*

*Schoenus pauciflorus* s.s. ("standard  
form" of Edgar 1970, p. 194)

*Uncinia caespitosa*

*U. divaricata*

*U. filiformis*

*U. fuscovaginata* var. (plants  
glaucous)

*U. nervosa* s.s.

*U. silvestris* (incl. *U. affinis*)

undetermined aquatic sedge (in  
lake 1.2 km SW of Round L.)

## RUSHES AND ALLIED PLANTS

*Gaimardia setacea*

*Juncus antarcticus*

*J. novae-zelandiae*

*Luzula colensoi*

*L. migrata*

*L. sp.* (unnamed; included in *L.*  
*picta*, as var. *limosa*, by Edgar 1966)

*L. colensoi* X *L. migrata*

*Marsippospermum gracile* (unc)

## MONOCOT HERBS OTHER THAN

## ORCHIDS, GRASSES, SEDGES, RUSHES

*Astelia graminea*

*A. linearis* var. *linearis*

*A. nervosa* s.s.

*A. nivicola* s.s.

*A. petriei*

*A. skottsbergii*

A. sp. (i) (unnamed; included in A. nivicola, as var. moriceae, by Moore 1966)

A. sp. (ii) (unnamed; aff. A. nervosa) (lvs broad, not conspicuously white adaxially as in A. nervosa)

Bulbinella hookeri (unc)

Herpolition novae-zelandiae (unc)

Phormium cookianum

Potamogeton suboblongus

### COMPOSITE HERBS

Abrotanella caespitosa

A. linearis s.s.

Anaphalis sp. (Helichtysum bellidioides s.s.)

Brachyglottis sp. (unnamed; included in B. bellidioides, as var. crassa, by Nordenskiöld 1978)

Brachyscome sinclairii s.s.

Celmisia alpina s.s.

C. bellidioides

C. dallii

C. gibbsii

C. hieracifolia ssp.

C. incana (incl. C. discolor)

C. laticifolia

C. montoi ssp. (C. coriacea var. lancifolia)

C. tupestris

C. sessiliflora

C. similis

C. sinclairii (incl. C. allanii & C. duratii)

C. spectabilis ssp.

C. traversii

C. tupestris X C. sp. (C. allanii or C. incana)

C. sessiliflora X C. traversii (unc)

C. similis X C. spectabilis (unc)

Craspedia sp. (i) (lvs narrowly elliptic-spathulate, green, both surfaces densely clad in short glandular hairs; fls white)

C. sp. (ii) (lvs narrowly obovate-spathulate, green, both surfaces densely clad in nonglandular hairs; fls white)

Dolichoglottis scorzoneroides

Gnaphalium latetale (unc)

G. mackayi s.s.

Lagenifera strangulata

Leptinella pyrethrifolia agg.

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

Leucogenes grandiceps

Microsetis scapigera var.

Raoulia eximia var.

R. glabra (unc)

R. grandiflora var. grandiflora

Senecio waitavensis

Taraxacum magellanicum

### DICOT HERBS OTHER THAN COMPOSITES

Acaena profundeincisa

\* plants summer-green;

- Aciphylla colensoi* var. *colensoi*
- A. ferox*
- A. polita* var.
- A. colensoi* X *A. ferox* (unc)
  
- Anisotome aromatica*
- A. deltoidea*
- A. haastii*
- A. pilifera*
  
- A. sp.* (unnamed) (plants turf-forming; infls short, up to 5cm)
- A. aromatica* X *A. haastii* (unc)
- Cardamine sp.* (i) (cf. "long style" of Pritchard 1957)
- C. sp.* (ii) ("Scree Race" of Pritchard 1957)
- C. sp.* (iii) (unnamed) (lvs mostly simple; blades ± reniform)
- Cheesemaniania latisiliqua* (incl. *C. gibbsii*)
- Colobanthus affinis*
- Donatia novae-zelandiae*
- Drosera arcturi*
- D. spathulata*
- D. stenopetala*
- Epilobium atriplicifolium* s.s. (unc)
- E. brunnescens* s.s.
- E. chlorifolium*
- E. cockayneanum*
- E. glabellum* s.s.
- E. pernitens*
- E. sp.* (unnamed; aff. *E. glabellum*)
- E. hybrid* (undetermined)

- G. sp.* (ii) (*G. parviflorum* agg.) (stock creeping and branching; terminal lft slightly longer than broad; fls up to 8 mm diam.)
- Euphrasia townsonii* s.s.
- E. sp.* (i) (unnamed; aff. *E. pettiei*)
- E. sp.* (ii) (unnamed; aff. *E. laingii*)
- Forstera mackayi*
- F. sedifolia* s.s.
- F. tenella*
- Gentiana bellidifolia* (?) (unc)
- G. gracilifolia* (incl. *G. vernicosa*)
- G. montana* (incl. *G. m.* var. *stolonifera*, *G. patula*, and *G. bellidifolia* var. *pulchella*)
- G. spenceri*
- G. sp.* (unnamed; aff. *G. bellidifolia*) (plants forming small to large patches; lvs very glossy; fls large, creamy white)
- Getanium sp.* (unnamed; aff. *G. microphyllum*)
- Geum uniflorum*
- G. sp.* (i) (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.)
- Gingidia decipiens*
- Gonocarpus aggregatus*
- G. micranthus* ssp. *micranthus*
- Hydrocotyle sp.* (unnamed; included in H.n.z., as var. *montana*, by Kirk (1999))
- Kelleria dieffenbachii*
- K. laxa*
- K. multiflora*
- Mitrasacme novae-zelandiae*
- Myosotis lyallii* (incl. *M. elderi*) (unc)
- M. mactrantha*
- \* *M. sp.* (*M. australis* agg.) (fls small, white) (unc)
- Myriophyllum elatinooides* tr
- Neopaxia sp.* (incl. *Montia calycina* and *Claytonia australascia* var. *biflora*)

\* Seen only under overhanging cliffs

*Nertera ciliata*

*Notothlaspi* sp. (unnamed) (N. australe abct. non *Thlaspi australe* Hook. f.)

*Oreomyza colensoi* s.s.

*Ourisia caespitosa* ssp. *caespitosa*

*O. lactea* ssp. *lactea*

*O. macrocarpa* ssp. *calycina* (unc)

*O. simpsonii*

*Oxalis magellanica*

*Parahebe Iyallii*

*Phyllachne clavigera* (incl. *P. colensoi*)

*Plantago lanigera* s.l.

*P. raoulii*

*P. uniflora*

*Pratia angulata* agg.

*P. mactodon*

*Psychotria novae-zealandiae*

*Ranunculus foliosus*

*R. glabrifolius*

*R. gracilipes* (unc)

*R. insignis*

*R. simulans* (unc)

*R. verticillatus*

*Schizaelema haastii* s.s.

*S. nitens*

*Stellaria decipiens* (incl. *S. parviflora*)

*S. gracilentata*

*Viola cunninghamii*

*Wahlenbergia albomarginata*

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

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

REFERENCES

Allan, H.H. 1961: "Flora of N.Z." Vol. 1

Crookes, M. 1963: "N.Z. Ferns"

Edgar, E. 1966: *N.Z. J. Bot.* 4: 159-84.

——— 1970. In "Flora of N.Z." Vol. 2.

Franklin, D.A. 1962: *Trans R Soc. N.Z. Bot.* 1: 155-7

Kirk, T. 1899: "The Student's Flora of N.Z."

Lloyd, D.G.; Webb, C.J. 1987: *N.Z. J. Bot.* 25: 99-100

Moore, L.B. 1961: In "Flora of N.Z." Vol. 1.

——— 1966: *N.Z. J. Bot.* 4: 201-40.

Nordenstam, B. 1978: *Opera Bot.* 44: 1-84

Pritchard, G.G. 1957: *Trans R Soc. N.Z.* 85: 75-84

Wardle, P. 1968: *N.Z. J. Bot.* 6: 226-36.

ADVENTIVE PLANTS

GRASSES

\* *Agrostis capillaris*

\* *Anthoxanthum odoratum*

\* *Festuca nigrescens*

\* *Holcus lanatus*

\* *Poa annua*

\* *P. pratensis*

SEDGES

\* *Carex ovalis*

RUSHES

\* *Juncus articulatus*

*J. effusus*

\* *J. sp.*

DICOT HERBS

*Hypochaeris radicata*

*Cerastium fontanum* ssp. *vulgare*

\* *Veronica serpyllifolia*

\* Seen only at Round Lake

No. of indigenous spp.: 273.

No. of adventive spp.: 13.

