

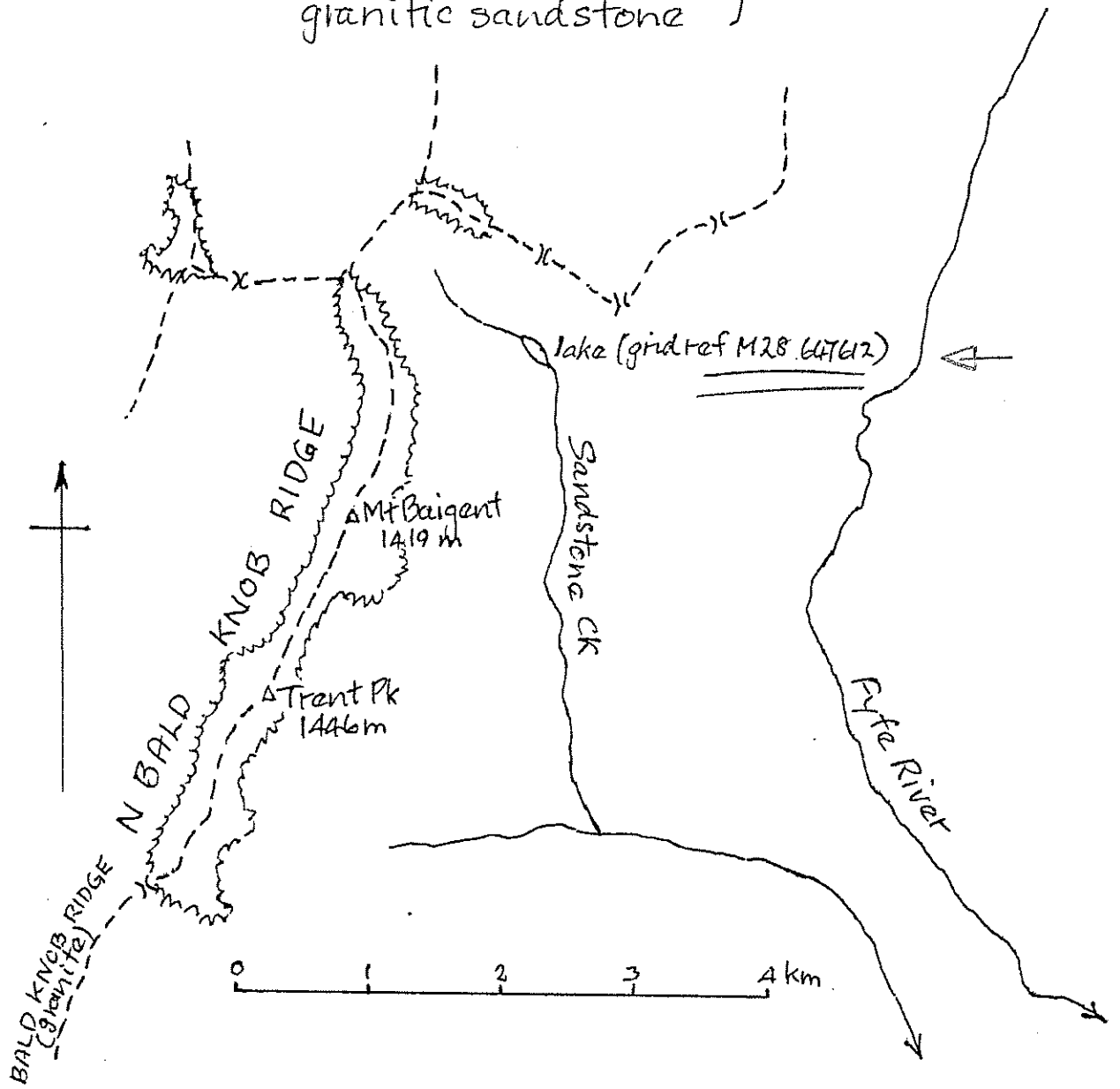
HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS)
OF N BALD KNOB RIDGE†, N.W. NELSON, 950-1450 M

A.P. Druce, Wellington; P.A. Williams, Botany Division, D.S.I.R.,
Nelson; S.P. Courtney, Nelson; May 1990 (revised June 1991,
July 1992)

(Based on visit Feb. 1989)

† Highest point: Trent Pk, 1446 m

Rocks: calcareous mudstone }
medium sandstone } all Tertiary
limestone lenses }
granitic sandstone }



(unc) - uncommon or local

(L) - seen only near lake at M28 647612

* - seen only on granitic sandstone

INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

- | | |
|-------------------------------------|--------------------------------------|
| *Halocarpus biformis | Brachyglottis adamsii (unc) |
| Lepidothamnus laxifolius | B. bidwillii var. viridis |
| *Libocedrus bidwillii | B. rotundifolia var. (incl. B. buch- |
| Phyllocladus alpinus agg. (unc, ex. | anii and B. cockaynei) (unc) |
| on granitic sandstone) | Cassinia vauvilliersii |
| Podocarpus nivalis | |

DICOT TREES

- | | |
|--|--------------------------------------|
| Dracophyllum traversii (incl. D. | Coprasma atropurpurea (unc) |
| pyramidale) | C. cheesemani s.s. |
| Griselinia littoralis (seedlings | C. ciliata ssp. ciliata |
| only) | C. colensoi s.s. |
| Nothofagus fusca | C. crenulata (unc except at |
| N. menziesii | N end of Ridge) |
| N. solandri var. cliffortioides | C. depressa |
| N. fusca x N. solandri (unc) | C. foetidissima |
| Pseudopanax linearis (unc) | C. perpusilla ssp. perpusilla |
| P. simplex (incl. P. s. var. sinclairii) | C. propinqua ssp. propinqua |
| P. sp. (unnamed; included in P. | C. pseudocuneata ssp. |
| colensoi, as var. fiordensis | C. rhamnoides (incl. C. polymorpha) |
| and as var. ternatus, by Wardle | (unc) |
| 1968) | C. rugosa ssp. rugosa |
| | C. serrulata (unc) |
| | C. sp. (i) (unnamed; aff. C. pseudo- |
| | cuneata) (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) |

DICOT SHRUBS

- | | |
|--------------------------------------|--|
| Archetia traversii (incl. A. t. var. | |
| australis) (unc, except on gran- | |
| itic sandstone) | |

- C. sp. (iii)* (unnamed; included in *C. parviflora* by Oliver, 1935, & others) (If undersurface not minutely hairy as is usual in *C. parviflora*; dtypes vs. unpigmented, occ. purplish red) (unc)
Cornaria plumosa
C. sarmentosa
Cyathodes dealbata (incl. *C. pomila*)
C. empetrifolia
Dracophyllum longifolium var. (incl. *D. filifolium* and *D. oliveri*)
D. uniflorum
 * *Gaultheria antipoda* (unc)
G. 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)
Hebe canterburyensis
H. ciliolata

H. gracillima (unc)
H. macrantha var. *brachyphylla*

H. pauciramosa
H. salicifolia var. *salicifolia* (unc)
H. tetragona var. (*H. coarctata*)
H. topiaria
H. vernicosa
H. sp. (i) (*Leonohebe masoniae**)
H. sp. (ii) (aff. *H. glaucophylla*) (unc)
H. sp. (iii) (cf. *matthewsii*) (unc)
- Helichthysum intermedium* var. (unc)
Leucopogon fasciculatus var. (unc)
L. fraseri s.s.
L. suaveolens (incl. *Cyathodes colensoi*)
Meliccytus alpinus s.s.
Myrsine divaricata s.s.
M. nummularia (unc)
Olearia arborescens (unc)
O. avicenniifolia
O. lacunosa var. *lacunosa*
O. nummulariifolia var. (lvs distinctly longer than broad, rather than suborbicular as in var. *nummulariifolia*) (unc)
Pentachondra pumila
Pimelea suteri var. (*P. orzophila*)
Pittosporum rigidum var. (*P. crassicaule*)
Pseudopanax anomalus (unc)
Pseudowintera colorata (unc)
Traversia baccharoides (unc)
- DICOT LIANES AND RELATED
TRAILING PLANTS
- Clematis paniculata* (unc)
Muehlenbeckia axillaris
Rubus cissoides var. (leaflets broader than in var. *cissoides*)
R. schmidelioides var. *schmidelioides* (unc)
- * (incl. *L. m.* var. *rotundata*)

LYCOPODS

- Lycopodium australianum* (unc)
- L. fastigiatum*
- L. scariosum*

FERNS

- Asplenium flaccidum*
- Blechnum discolor* (unc)
- B. fluviatile* agg.
- B. penna-marina*
- B. procerum*
- B. sp.* (unnamed) (mountain sp.; lower pinnae not reduced in length) ("The Dunedin-Cass Variety" of Crookes 1963)
- Cyathea colensoi*
- Cystopteris tasmanica* (unc)
- Grammitis billardiarei*
- G. magellanica* ssp. *nothofagei*
- G. patagonica* (unc)
- G. poeppigiana*
- Histiopteris incisa* (unc)
- Hymenophyllum multifidum*
- H. malingii* (unc, on dead beech)
- H. rarum* (unc)
- H. villosum*
- Hypolepis millefolium*
- Leptopteris superba* (unc)
- Ophioglossum coriaceum* agg.
- Polystichum vestitum*

ORCHIDS

- Adenochilus gracilis* (unc)
- Chiloglottis cornuta*
- Corybas macranthus* (unc)
- C. trilobus* s.s.
- Microtis unifolia* (L)
- Prasophyllum colensoi* (unc)
- Pterostylis humilis* (unc)
- P. irsoniana* (unc)
- Thelymitra hatchii* (unc)

GRASSES

- Agrostis dyeri* s.s.
- A. personata*
- A. sp.* (unnamed; aff. *A. dyeri*) (panicle spreading, not contracted as in *A. dyeri*)
- Chionocholea australis*
- C. conspicua* ssp. *conspicua*
- C. pallens* ssp. *pallens*
- C. tubra* ssp. *occulta*
- C. sp.* (unnamed) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov)
- C. pallens* x *C. sp.* (unnamed) (unc)
- Deschampsia tenella*
- Deyeuxia aucklandica* (unc)
- Elymus enysii*
- E. sp.* (aff. *E. tectisetus*) (lvs glaucous; awns 4-6 cm long)

| | |
|--|--|
| <i>Festuca</i> sp.(i) (cf. <i>F. matthewsii</i>) (non tussock-forming, glaucous) | SEDGES |
| <i>F.</i> sp.(ii) (unnamed; aff. <i>F. rubra</i>) (unc) | <i>Carex comans</i> (L) |
| | <i>C. dipsacea</i> var. <i>dipsacea</i> (L) |
| | <i>C. flagellifera</i> (L) |
| | <i>C. libera</i> (unc) |
| <i>Hierochloa novae-zelandiae</i> (unc) | <i>C. secta</i> s.s. (L) |
| <i>Lachnagrostis</i> sp. (unnamed; included in <i>L. filiformis</i> , as var. <i>semiglabra</i> , by Zotov 1965) | <i>C. sinclairii</i> (unc) |
| <i>Microlaena avenacea</i> | <i>C. trachycarpa</i> (unc) |
| <i>M. colensoi</i> | <i>C. wakatipu</i> s.s. |
| <i>Poa breviglumis</i> | <i>C.</i> sp. (Section <i>Acutae</i>) |
| <i>P. colensoi</i> | |
| <i>P. kirkii</i> | <i>Carpha alpina</i> s.s. |
| <i>P. maia</i> | <i>Eleocharis acuta</i> (L) |
| <i>Rytidosperma gracile</i> | <i>Gahnia procera</i> (unc, except on granitic sandstone) |
| <i>R. setifolium</i> | <i>Isolepis habra</i> (unc) |
| <i>Trisetum youngii</i> | <i>Oreobolus pectinatus</i> |
| <i>T.</i> sp.(i) (unnamed; included in <i>T.</i> <i>antarcticum</i> , as ssp. <i>tenellum</i> , by Petrie 1912) | <i>O. strictus</i> |
| | <i>Schoenus pauciflorus</i> s.s. |
| <i>T.</i> sp.(ii) (unnamed) (plants slender; lf sheath glabrous or nearly so; lf blade flat, up to 2.5mm wide, margins smooth) | <i>Uncinia astonii</i> |
| | <i>U. caespitosa</i> |
| | <i>U. clavata</i> |
| <i>T.</i> sp.(iii) (unnamed; aff. <i>T. antar-</i> <i>ticum</i>) (plants robust; lf blade flat, up to 7mm wide; margins scabrid) (unc) | <i>U. divaricata</i> |
| | <i>U. filiformis</i> |
| | <i>U. fuscovaginata</i> var. (plants glaucous) |
| | <i>U. gracilentia</i> |
| | <i>U. involuta</i> |
| | <i>U. nervosa</i> s.s. |
| | <i>U. rupestris</i> (incl. <i>U. angustifolia</i>) |
| | <i>U. silvestris</i> (incl. <i>U. affinis</i>) |

RUSHES

Juncus gregiflorus (L)
J. novae-zelandiae
Luzula migrata
L. subclavata (unc)
L. sp. (unnamed; included in
L. picta, as ssp. *limosa*, by
 Edgar 1966)

Brachyglottis lagopus var. (cottony
 hairs on both surfaces of lf, dense
 at first, but becoming sparse)

Brachyscome radicata (unc)

Calmisia armstrongii

MONOCOT HERBS OTHER THANORCHIDS, GRASSES, SEDGES, RUSHES

Astelia graminea (unc)
A. linearis var. *linearis*
A. nervosa s.s.
A. nivicola s.s.
A. petriei (unc)
A. skottsbergii
A. sp. (i) (unnamed; included in
A. nivicola, as var. *moticeae*,
 by Moore 1966)
A. sp. (ii) (unnamed; aff. *A. nervosa*)
 (lvs broad, not conspicuously
 white adaxially as in *A. ner-*
vosa)
Libertia pulchella (unc, ex-
 cept on granitic sandstone)
 * *Luzuriaga parviflora*
Phormium cookianum

C. bellidioides

C. dallii (N end of Ridge only)

C. hieracifolia ssp.

C. incana (incl. *C. discolor*)

C. laricifolia

C. montoi ssp. (*C. comacea* var.
semicordata)

C. petriei

C. similis (N end of Ridge only)

C. sinclairii (incl. *C. albina*, *C. durietzii*)

C. spectabilis ssp. (unc, except
 N end of Ridge)

C. sp. (i) (unnamed; aff. *C. graci-*
lenta) (lvs linear to linear-
 lanceolate, up to 45 x 1.2 cm;
 lower surface white with
 cottony hairs) (N end of ridge
 only)

C. sp. (ii) (unnamed; aff. *C. similis*)

(plants much larger; possibly
 originated from *C. montoi* x *C.*
similis, but plants uniform
 and abundant) (N end of
 Ridge only)

COMPOSITE HERBS

Abrotanella linearis
Anaphalis sp. (*Halichrysum*
bellidioides s.s.)

- C. armstrongii* X *C. petriei* (unc)
C. a. X *C. spectabilis* (unc)
C. monroi X *C. petriei* (unc)
C. similis X *C. spectabilis* (unc)
C. taspedia sp. (i) (unnamed) (plants

summer-green; lvs green, both sur-
 faces densely clad in short gland-
 ular hairs; margins ± white with
 cottony hairs; fls white)

C. sp. (ii) (unnamed) (plants summer-
 green; lvs green, both surfaces
 densely clad in multicellular
 non-glandular hairs with cottony
 tips; margins ± white with cottony hairs;

Dolichoglottis lyallii (fls white)

Gnaphalium audax

G. laterale (L)

G. mackayi s.s.

Lagenifera cuneata

L. pinnatifida (unc)

L. pumila (L)

L. strangulata

Leptinella sp. (i) (*L. pyrethri* folia agg.)

L. sp. (ii) (unnamed; included in

L. squalida, as ssp. *mediana*, by
 Lloyd and Webb, 1987)

Leucogenes grandiceps (unc)

Microsetis scapigera var.

Pseudognaphalium sp. (L)

Raoulia glabra

R. grandiflora var. *grandiflora* *

R. tenuicaulis (incl. *R. t.* var.
dimorpha and *R. t.* var. *pusilla*)

Senecio glaucophyllus ssp.

glaucophyllus

S. wairavensis

Taraxacum magellanicum

DICOT HERBS OTHER THAN COMPOSITES

Acaena ansetini folia

A. profunda incisa

Aciphylla anomala

A. colensoi var. *colensoi*

A. ferox

Anemone tenuicaulis

Anisotome aromatica

A. filifolia (unc)

A. haastii

A. pilifera (unc)

Cardamine sp. (i) (*C. debilis* agg.)

("Long Style" of Pritchard 1957)

C. sp. (ii) (*C. debilis* agg.) (cf. "Tussock

Race" of Pritchard 1957) (unc)

C. sp. (iii) (*C. debilis* agg.) (L)

C. sp. (iv) (unnamed) (lvs mostly simple,

occ with up to 2 pairs of pinnales;

blades ± reniform) (unc)

Cheesemania latisiliqua (incl. *C. gibbsii*)
(unc)

Colobanthus affinis

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

C. squarrosus

Crassula sinclairii (L)

Drosera arcturi

D. spathulata

* *D. stenopetalata*

- Epilobium alsinoides* s.s. (unc)
E. atriplicifolium (unc)
E. chlorifolium
E. cockayneanum
E. gracilipes
E. komarovianum (L)
E. pernitens
E. pubens (unc)
E. vernicosum
E. sp. (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engeltorn, 1971)
Euphrasia cheesemanii (unc)
E. townsonii s.s.
E. zelandica agg.
Forstera mackayi
F. tenella
Galium perposillum s.s.
Gentiana filipes

G. montana (incl. *G. m.* var. *stolonifera*, *G. patula*, and *G. bellidifolia* var. *pulchella*) (unc)
G. sp. (i) (undetermined; aff. *G. montana* and *G. townsonii*)

G. sp. (ii) (unnamed; aff. *G. bellidifolia*) (plants forming small to large patches; lvs very glossy; fls large, creamy white)
G. sp. (iii) (unnamed; aff. *G. corymbifera*)
- Geranium sp.* (unnamed; aff. *G. microphyllum*)
G. sessiliflorum var. *novae-zelandiae*
Geum leiospermum (unc)
G. sp. (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.)
Gingidia decipiens
G. montana
Gonocarpus aggregatus (unc)
Hydrocotyle heteromezia (unc)
H. moschata (unc)
H. sulcata (L)
H. sp. (unnamed; included in *H. novae-zeelandiae*, as var. *montana*, by Kirk 1899)
Hypaticum japonicum agg. (L)
Kalleria laxa
K. multiflora
Linosella lineata (L)
Myosotis macrantha (unc)
M. sp. (i) (*M. australis* agg.) (fls small, white) (unc)
M. sp. (ii) (unnamed; included in *M. pygmaea*, as var. *drucei*, by Moore 1961)
Neopaxia sp. (incl. *Montia calycina* and *Claytonia australasica* var. *biflora*)
Nertera ciliata
N. sp. (unnamed; aff. *N. dichondrifolia*) (hairs present on both surfaces of lf, straight, not hooked as in *N. dichondrifolia*)

Oreomyza colensoi s.s. (incl.
O.c. var. hispida and *O.c. var.*
multifida)
O. sp. (unnamed; aff. *O. ramosa*)
Ouzia caespitosa ssp. *caespitosa* (unc)
O. lactea ssp. *lactea*
Oxalis magellanica
Parahebe lyallii
Plantago raoulii

Urtica incisa
Viola cunninghamii
V. filicaulis
V. lyallii (L)
Wahlenbergia albomarginata
 var. *albomarginata* (incl. *W. pyg-*
maea var. laxa, *W. brockiei*, and
W. simpsonii)

ADVENTIVE PLANTS

P. triandra s.s. (L)
P. uniflora
Potentilla anserinoides (L)
Pratia angulata agg.
Psychrophila novae-zelandiae
Ranunculus altus
R. foliosus (unc, except L)
R. insignis
R. membranifolius
R. verticillatus
R. sp. (unnamed; included in
R. lappaceus, as var. *mactophyllus*, by Kirk 1899)
Schizaelema haastii s.s.
S. sp. (unnamed; included in
S. haastii, as ssp. *cyanopetalum*, by Domin 1908) (unc)
Scleranthus brockiei
S. uniflorus
Stellaria decipiens (incl. *S.*
parviflora)

GRASSES

Agrostis capillaris (unc)
Dactylis glomerata (unc)
Festuca nigrescens
Holcus lanatus
Poa annua
P. pratensis

SEDGES

Carex ovalis

RUSHES

Juncus articulatus (L)
J. bufonius (L)
J. effusus (L)
J. sp. (*J. conglomeratus*?) (unc)

COMPOSITE HERBS

Cirsium arvense
C. vulgare (unc)
Crepis capillaris (L)
Gnaphalium coarctatum (L)

Hieracium pilosella
 H. sp. (undetermined) (unc)
 Hypochaeris radicata
 Leucanthemum vulgare (unc)
 Mycelis muralis
 Senecio jacobaea (L)
 Sonchus asper (L)
 Taraxacum officinale s.l.

Galium palustre ssp. palustre (L)
 Linum catharticum (unc)
 Lotus pedunculatus (L)
 Mimulus moschatus (L)
 Myosotis laxa ssp. caespitosa (L)
 Plantago major (L)
 Prunella vulgaris (L)
 Ranunculus repens (L)
 Rumex acetosella
 R. crispus (L)
 Sagina procumbens (L)
 Trifolium dubium (L)
 T. repens
 Veronica serpyllifolia (L)

DICOT HERBS OTHER THAN
COMPOSITES

Anagallis arvensis (L)
 Cerastium fontanum ssp. vulgare
 Digitalis purpurea (unc)
 Epilobium ciliatum (L)

No. of indigenous spp.: 311.
No. of adventive spp.: 41.

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