



HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF SCHIST AREAS* AT HEAD OF IRONSTONE CK, WEST OF DEVIL R. THRUST, S. ARTHUR RA., N.W. NELSON, 1100 - 1586 M

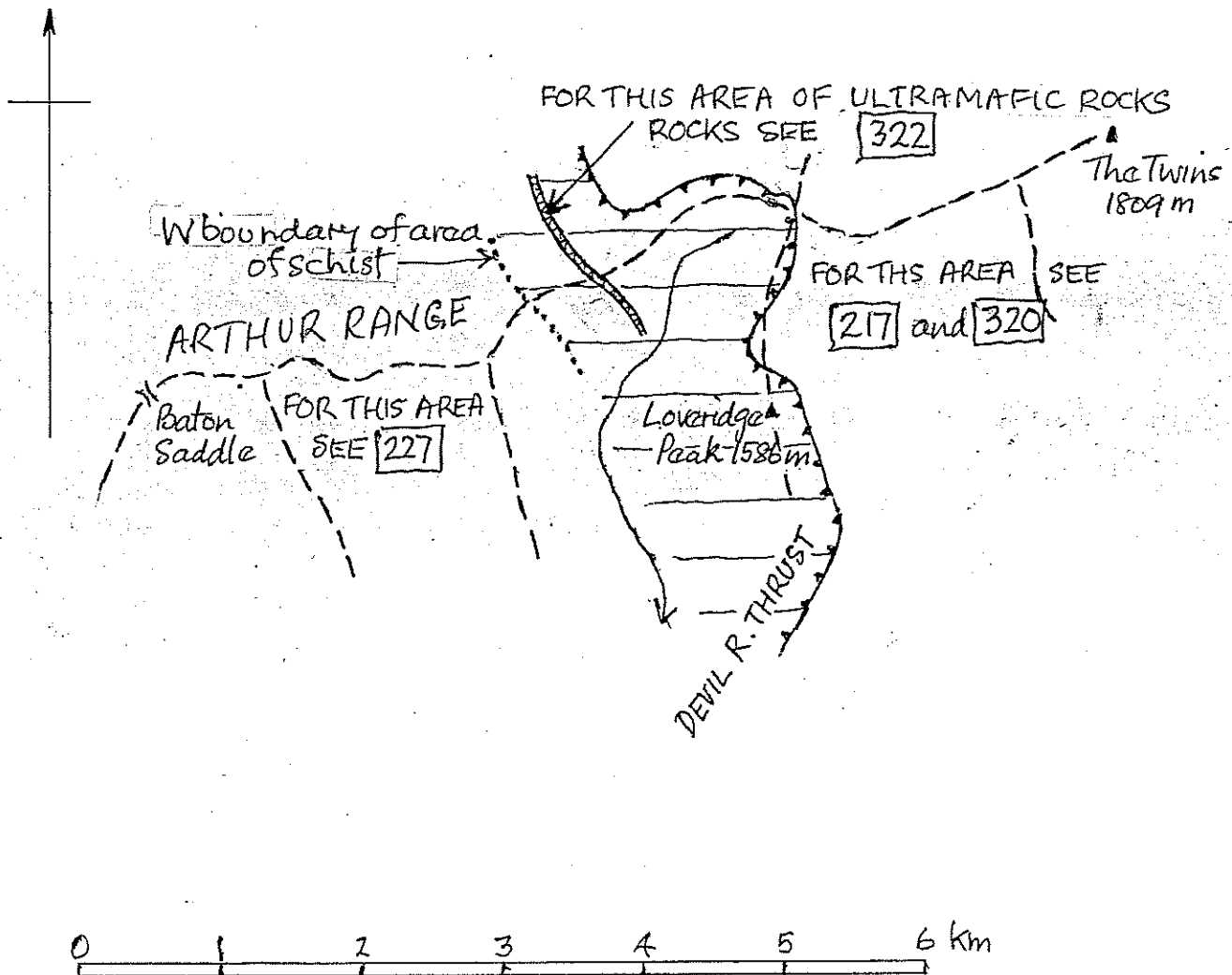
Highest point: Loveridge Peak, grid. ref. NZMS 260 M27 790945

A.P. Druce, Wellington; P.A. Williams, D.S.I.R. Land Resources, Nelson; S.P. Courtney, D.O.C. Nelson,

June, 1991 (revised July 1992, Aug. 1993)

Based on visit Feb. 1991

Rocks: Waingaro Schist 
* usually calcareous 



(unc) - uncommon or local
INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

Podocarpus nivalis

DICOT TREES

Dracophyllum traversii (incl. *D. pyramidale*)

Hoheria lyallii var. (*H. glabrata*)

Pseudopanax sp. (unnamed; included in *P. colensoi*, as var. *ternatus* and as var. *frondensis*, by Wardle 1968)

DICOT SHRUBS

Aristotelia fruticosa var.

Brachyglottis adamsii

B. bidwillii var. *viridis*

Cassinia vauvilliersii

Coprosma cheesemanii s.s.

C. ciliata ssp. *ciliata*

C. depressa

C. perpusilla ssp. *perpusilla*

C. rugosa ssp. *rugosa*

C. serrulata

C. sp. (unnamed; aff. *C. colensoi*)

(low-growing shrubs with trailing branches)

Coriaria angustissima

C. plumosa

Cyathodes dealbata (incl. *C. pumila*)

Dracophyllum uniflorum

Gaultheria crassa

Hebe albicans var. *albicans*

H. ciliolata

H. cockayneana var.

H. haastii var. (aff. var. *humilis*; see Moore 1961, p. 940)

H. macrantha var. *brachyphylla*

H. tetragona var. (*H. coarctata*)

H. topiaria

Helichrysum intermedium var.

Leucopogon fraseri s.s.

Melicytus sp. (unnamed)

Myrsine divaricata s.s.

M. nummularia

Olearia arborescens (unc)

O. aricennifolia

O. colensoi var. *edensei*

O. nummularifolia var. (lvs distinctly longer than broad, rather than suborbiculate as in var. *nummularifolia*)

Pentachondra pumila

Traversia baccaroides

DICOT LIANES AND RELATED

TRAILING PLANTS

Muehlenbeckia axillaris

LYCOPODS

Lycopodium fastigiatum

L. scariosum

FERNS*Asplenium flaccidum**A. richardii**Blechnum* sp. (unnamed) (mountain sp.; lower pinnae not reduced in length) ("The Dunedin-Cass Variety" of Crookes 1963)*Cystopteris tasmanica**Grammitis patagonica**Hypolepis millefolium**Ophioglossum coriaceum* agg. (unc)*Polystichum vestitum**Lachnagrostis* sp. (unnamed; included in *L. filiformis*, as var. *semiglabra*, by Zotov 1965)*Microlaena colensoi**Poa breviglumis**P. celsa**P. cita* ssp. *cita**P. colensoi**P. imbecilla* (unc)*P. subvestita**P. sp.* (unnamed; aff. *P. novae-zelandiae*) (scree plants with narrow lvs) (unc)*Rytidosperma gracile**R. setifolium**Trisetum youngii**T. sp.* (unnamed) (plants slender; lf sheath glabrous or nearly so)**GRASSES***Agrostis dyeri* s.s.*A. sp.* (unnamed; aff. *A. dyeri*) (panicle broad, not contracted as in *A. dyeri*) (unc)*Chionochloa australis**C. conspicua* ssp. *conspicua**C. pallens* ssp. *pallens**C. rubra* ssp. *occulta**C. sp.* (unnamed) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov)*Elymus* sp. (aff. *E. rectisetus*)

(plants glaucous; awns 4-6 cm long)

Festuca sp. (i) (cf. *F. matthewsii*)

(tufted but not tussock-forming, glaucous)

F. sp. (ii) (unnamed; aff. *F. rubra*)*Microchloa novae-zelandiae***SEDGES***Carex sinclairii**C. wakatipu* s.s.*C. sp.* (unnamed; aff. *C. coriacea*) (lvs slender, bright green, not becoming stiff and yellow-green in exposed sites)*Carpha alpina* s.s.*Isolepis caligenis**Uncinia divaricata**U. fuscovaginata* var. (plants glaucous)*U. involuta**U. sp.* (unnamed) (*U. affinis* sensu

Hamlin 1959, non *U. riparia* var. affinis. Col. ex Clarke; see Nootboom 1978)

↗ *Schoenus pauciflorus* s.s. (= "slender var." of Edgar 1970, p. 194)

RUSHES AND ALLIED PLANTS

Luzula migrata

MONOCOT HERBS OTHER GRASSES,

SEDGES, RUSHES + ALLIED PLANTS

Astelia nervosa s.s.

A. nivicola s.s.

A. petrici

Libertia peregrinans

Phormium cookianum

COMPOSITE HERBS

Anaphalis sp. (*Helichrysum bellidioides* s.s.)

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

Brachyscome sinclairii s.s.

Celmisia dallii

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

C. laticifolia

C. montoi ssp.

C. sessiliflora

C. sinclairii (incl. *C. allanii* and *C. durietzii*)

C. spectabilis ssp.

C. sp. (i) (unnamed; aff. *C. gracilentata*) (plants strongly rhizomatous)

C. sp. (ii) (unnamed; aff. *C. gracilentata*) (plants tufted; lvs linear to linear-lanceolate, up to 4.5 x 1.2 cm; lower surface white with cottony hairs)

Craspedia sp. (i) (unnamed) (plants summer green; lvs up to 18 cm long, green, with short broad petiole merging into lamina; both surfaces densely clad in short glandular hairs, with or without longer multicellular non-glandular hairs with cottony tips; margins conspicuously white with cottony hairs; fls white)

C. sp. (ii) (plants summer-green; lvs green; both surfaces sparsely clad in multicellular non-glandular hairs; midrib on undersurface glabrous; fls white)

Gnaphalium mackayi s.s.

G. vahanicum

Lagenifera cuneata

Leptinella pyrethrifolia agg.

L. sp. (unnamed; aff. *L. squalida*) (pinnae entire or nearly so)

Microseris scapigera var.

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

Raoulia glabra

Senecio glaucophyllus ssp. *glaucophyllus*

DICOT HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia*
A. profunda incisa
Aciphylla anomala
A. ferox
A. glaucescens s.s.
Anisotome deltoidea
A. haastii
Cardamine sp.(i) (*C. debilis* agg.)
 (cf. "Long Style" of Pritchard
 1957)
C. sp.(ii) (unnamed) (lvs mostly
 simple; blade \pm reniform)
Cheesemania latisiliqua
 (incl. *C. gibbsii*)
Colobanthos canaliculatus
C. strictus (unc)
Epilobium chlorifolium
E. elegans (unc)
E. matthewsii
E. pubens
E. sp.(i) (unnamed; aff. *E. glab-*
ellum) (unc)
E. sp.(ii) (unnamed; included in
E. brunnescens, as ssp. *minuti-*
florum, by Raven and Engel-
 horn, 1971)
Euphrasia cheesemani
E. zelandica agg. (corolla 4-5mm
 wide)
E. sp.(i) (unnamed; aff. *E. laingii*)
E. sp.(ii) (unnamed; aff. *E. petriei*)
- Forstera machayi*
F. tenella
Gentiana bellidifolia
G. filipes
Geranium sp. (unnamed; aff. *G.*
microphyllum)
Geum sp. (*G. parviflorum* agg.)
 (stock short; terminal leaflet
 about as long as broad; fls up
 to 13mm diam.)
Gingidia montana
Gunnera monoica
Hydrocotyle sp. (unnamed;
 included in *H. novae-zeelandiae*,
 as var. *montana*, by Kirk 1899)
Kelleria laxa
K. multiflora
Montia fontana s.s.
Myosotis sp.(i) (*M. australis* agg.)
 (fls small, white)
M. sp.(ii) (unnamed; included in
M. pygmaea, as var. *drucei*, by
 Moore 1961)
Nerteta ciliata
Ostisia caespitosa sp. caespit-
 osa
O. lactea ssp. *lactea*
O. simpsonii
Oxalis magellanica
Parakebe linifolia ssp. *linifolia*
P. lyallii
Plantago lanigera s.l. (incl. *P. n. 3*)
P. raoulii

- P. uniflora
- Pratia angulata agg.
- Ranunculus altus
- R. foliosus (unc)
- R. insignis
- R. mitus (unc)
- R. verticillatus
- R. sp. (undetermined)
- Schizanthus haastii s.s.
- 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 and W. brocklei)

ADVENTIVE PLANTS

GRASSES

- Agrostis capillaris
- Anthoxanthum odoratum
- Dactylis glomerata
- Festuca nigrescens

RUSHES

- Juncus articulatus
- J. effusus

COMPOSITE HERBS

- Cirsium vulgare
- Hieracium lepidulum
- H. pilosella
- H. sp.
- Hypochoeris radicata
- Mycelis muralis
- Taraxacum officinale s.l.

DICOT HERBS OTHER THAN COMPOSITES

- Cerastium fontanum ssp. vulgare
- Digitalis purpurea
- Rumex acetosella
- Sagina procumbens
- Trifolium repens

No. of indigenous spp. : 174.
No. of adventive spp. : 18.

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