

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF ULTRAMAFIC ROCKS, S. ARTHUR RA.,

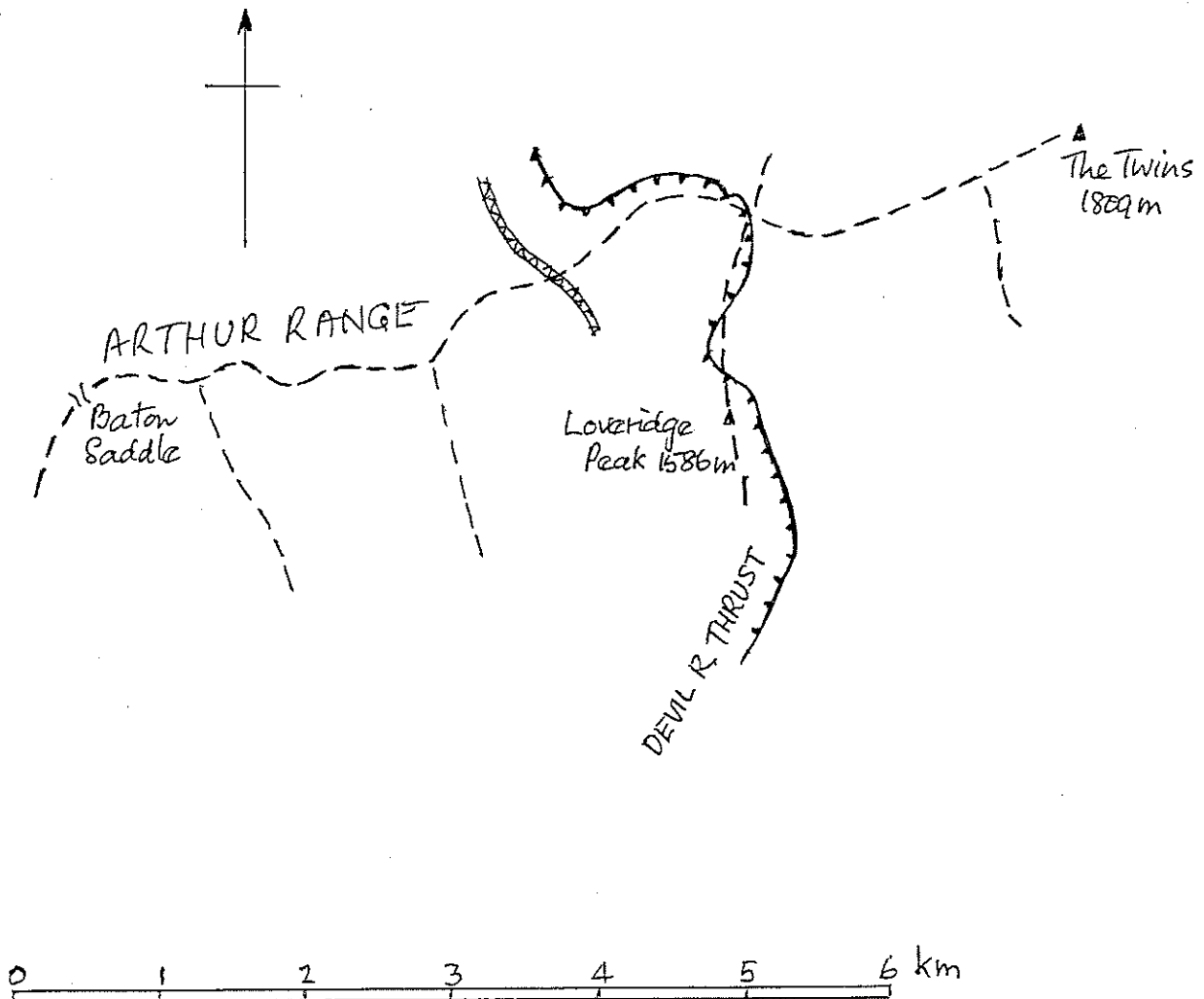
N.W. NELSON, 1300-1400M

Grid ref. NZMS 260 M27 780955

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June 1991 (revised July 1992)

(Based on visit February 1991)

Rocks: Cobb Igneous Complex: Talc-magnesite
and quartz-magnesite derived from
serpentinite



INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

Podocarpus nivalis

C. sp. (ii) (unnamed) (prostrate shrubs; lvs plano-convex, linear; drupes orange)

DICOT TREES

Dracophyllum traversii (incl. *D. pyramidale*)

Hoheria lyallii var. (*H. glabrata*)

Nothofagus menziesii

*Pseudopanax sp. (unnamed; included in *P. colensoi*, as var.*

ternatus and as var. *fiordensis*, by Wardle 1968)

Coriaria plumosa

Dracophyllum longifolium var. (incl. *D. filifolium* and *D. oliveri*)

D. uniflorum

Gaultheria crassa

G. depressa s.s.

*G. sp. (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)*

Hebe albicans var. *albicans*

H. canterburciensis

H. macrantha var. *brachyphylla*

H. topiaria

Helictysum intermedium var.

Meliccytus alpinus s.s.

Myrsine divaricata s.s.

M. nummularia

Olearia arborescens

O. colensoi var. *colensoi*

O. lacunosa var. *lacunosa*

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

Pseudowintera colorata

DICOT SHRUBS

Atcharia traversii (incl. *A. t.* var. *australis*)

Aristotelia fruticosa var.

Brachyglottis rotundifolia var. (incl. *B. buechananii* and *B. cockaynei*) (seedlings only)

Cassinia vauvilliersii

Coprosma cheesemani s.s.

C. ciliata ssp. *ciliata*

C. crenulata

C. depressa

C. perpusilla ssp. *perpusilla*

C. pseudocuneata ssp. (lvs narrower than in ssp. *pseudocuneata*)

C. serrulata

*C. sp. (i) (unnamed; aff. *C. colensoi*) (low-growing shrubs with trailing branches)*

DICOT LIANES AND RELATED

TRAILING PLANTS

Muehlenbeckia axillaris

LYCOPODS

Lycopodium australianum
L. scariosum

FERNS

Asplenium hookerianum
A. lyallii
A. richardii
Blechnum fluviatile agg.
B. sp. (unnamed) (mountain sp.; lower pinnae not reduced in length) ("The Dunedin-Cass Variety" of Crookes 1963)
Cystopteris tasmanica
Grammitis billardierei
G. patagonica
Hymenophyllum multifidum
Polystichum vestitum
Pteridium esculentum

ORCHIDS

Corybas trilobus s.s.
C. sp. (*C. macranthus* or *C. revolutus*)
Prasophyllum colensoi

GRASSES

Agrostis sp. (unnamed; aff. *A. dyeri*) (panicle broad, not contracted as in *A. dyeri*)
Chionochloa australis
C. conspicua ssp. *conspicua*
C. pallens ssp. *pallens*

C. sp. (unnamed) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov)

C. australis XC. *pallens*
Elymus sp. (aff. *E. rectisetus*) (plants glaucous; awns 4-6 cm long)
Microchloa novae-zelandiae
Lachnagrostis sp. (unnamed; included in *L. filiformis*, as var. *semiglabra*, by Zotov 1965)
Microlaena colensoi
Poa colensoi
P. imbecilla
P. maia (?)
Rytidosperma gracile
R. setifolium
Trisetum sp. (unnamed; included in *T. antarcticum*, as ssp. *tenellum*, by Petrie 1912)

SEDGES

Carex libera
Schoenus pauciflorus s.s. (= "slender var." of Edgar 1970, p. 194)
Uncinia divaricata
U. fuscovaginata var. (plants glaucous)
U. silvestris (incl. *U. affinis*)

RUSHES AND ALLIED PLANTS

Juncus novae-zelandiae
Luzula migrata
L. sp. (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966)

MONOCOT HERBS OTHER THAN ORCHIDS hairs; fls white)

GRASSES, SEDGES, RUSHES

- Anthropodium candidum*
- Astelia nervosa* s.s.
- A. petrici*
- A. skottsbergii*
- A. sp.* (unnamed; aff. *A. nervosa*)
(lvs broad, not conspicuously white adaxially as in *A. nervosa*)
- Libertia peregrinans*

- Gnaphalium polylepis*
- G. vahanicum*
- Lagenifera pumila*
- L. strangulata*
- Leptinella sp.* (*L. pyrrhifolia* agg.)
- Leucogenes grandiceps*
- Pseudognaphalium sp.* (unnamed; aff. *P. luteoalbum*) (mtn sp.; lvs mostly obl.-spath. to narrowly oblong, rounded)
- Racoulia glabra*
- Senecio glaucophyllus* ssp. *glaucophyllus*
- S. wairauensis*

COMPOSITE HERBS

- Anaphalis sp.* (*Helichrysum bellidioides* s.s.)
- Brachyglottis lagopus* var. (cottony hairs on both surfaces of lf, dense at first, but becoming sparse)
- B. sp.* (unnamed; included in *B. bellidioides*, as var. *crassa*, by Nordenstam 1978)
- Celmisia incana* (incl. *C. discolor*)
- C. montoi* ssp.
- C. spectabilis* ssp.
- C. traversii*
- C. sp.* (unnamed; aff. *C. gracilentata*) (plants tufted; lvs linear to linear lanceolate)
- Craspedia sp.* (unnamed) (plants summer-green; lvs upto 18cm 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

DICOT HERBS OTHER THAN

COMPOSITES

- Acaena profundeincisa*
- Aciphylla ferox*
- Anisotome aromatica*
- A. haastii*
- Cardamine sp.* (*C. debilis* agg.)
- Colobanthus canaliculatus*
- Epilobium gracilipes*
- E. matthewsii*
- E. sp.* (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engellhorn, 1971)
- Forstera mackayi*
- Gentiana bellidifolia* var.

Gaum sp. (*G. parviflorum* agg.) (stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.)

Gingidia decipiens

G. montana

G. decipiens X *G. montana*

Hydrocotyle moschata

Nertera depressa (incl. *N. cunninghamii*)

N. sp. (unnamed) (lvs larger and more fleshy than in *N. depressa*)

Notothlaspi sp. (unnamed) (*N. australe* auct., non *Thaspi australe*)

Oreomyrrhis sp. (unnamed; Hook. f.) aff. *O. ramosa*)

Oreopogon alpinus

Oursia lactea ssp. *lactea*

Parakebe linifolia ssp. *linifolia*

P. lyallii

Plantago raoulii

Pratia angulata agg.

Psychrophila novae-zelandiae

Ranunculus insignis

R. membranifolius

R. verticillatus

Urtica incisa

Viola cunninghamii

Wahlenbergia albomarginata

var. *albomarginata* (incl. *W. pygmaea* var. *laxa*, *W. brackleyi* and *W. simpsonii*)

ADVENTIVE PLANTS

GRASSES

Anthoxanthum odoratum

COMPOSITE HERBS

Hypochoeris radicata

DICOT HERBS OTHER THAN

COMPOSITES

Cerastium fontanum ssp. *vulgare*

Rumex acetosella

Sagina procumbens

No. of indigenous spp. : 134.

No. of adventive spp. : 5.

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