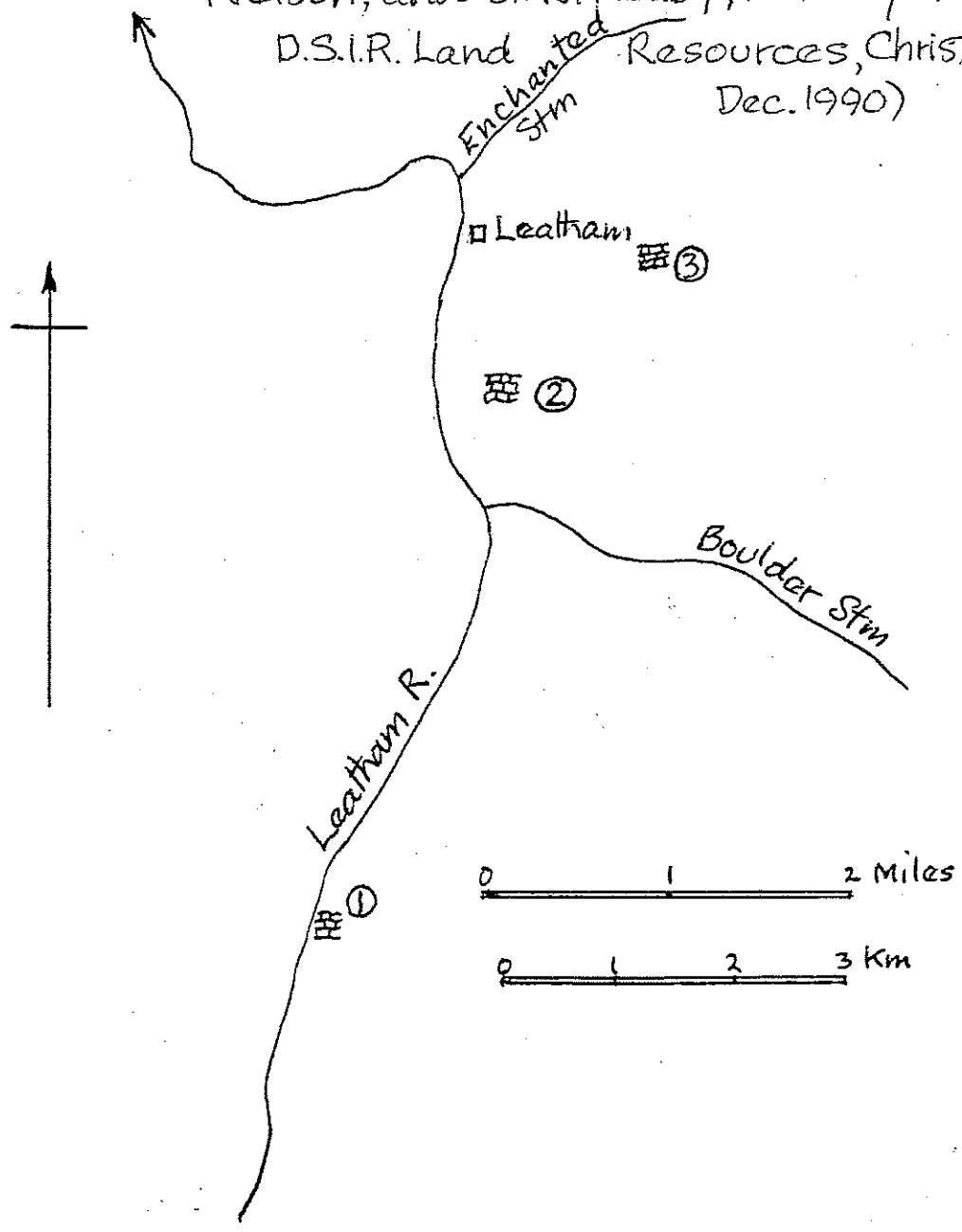


HIGHER PLANTS (GYMNOSPERMS, FERNS, FLOWERING PLANTS)
OF LIMESTONE AREAS†, LEATHAM VALLEY, WAIRAU MTS,
MARLBOROUGH, 550-700 M.

† Grid refs: ① S34 535651, ② S27 55-70, ③ S27 55-71

A.P. Druce, Wellington, and P.A. Williams, Botany
Division, Lincoln, May 1984 (revised June 1984, Aug 1986
June 1987, April 1990, Dec. 1990, May 1991, July 1992,
(Based on visits 1976, 1983, 1984) Apr. 1993)

(Additions by S. Courtney, Dept. of Conservation,
Nelson, and B.P.J. Molloy, Botany Institute,
D.S.I.R. Land Resources, Christchurch,
Dec. 1990)



INDIGENOUS PLANTS

(unc) - uncommon

GYMNOSPERM TREES

Podocarpus hallii (2,3)

DICOT TREES

Carpodetus serratus (2,3)
Fuchsia excorticata (1,2,3)
Griselinia littoralis (1,2,3)
Pittosporum tenuifolium ssp.
tenuifolium (1,2,3)
Pseudopanax colensoi s.s. (2)(unc)
Sophora microphylla (1,2,3)

DICOT SHRUBS

Aristotelia fruticosa var. (1,2,3)
Carmichaelia sp. (subgenus *Carmichaelia*) (2)
Cassinia vauvilliersii (2,3)
Coprosma crassifolia (2,3)
C. linariifolia (2,3)
C. propinqua ssp. *propinqua* (1,2,3)
C. rugosa ssp. *rugosa* (3)
Cotokia cotoneaster var. *cotoneaster* (1,2,3)
Cyathodes sp. (*C. juniperina* agg.) (lvs small) (2,3)
Discaria tomatou (1,2,3)
Excarpus bidwillii (2)
Hebe glaucophylla (3)
H. gracillima (1,2,3)
H. venustula (incl. *H. brachysiphon*) (2,3)
H. sp. (unnamed; included in *H. faoulii*, as var. *pentasepala*, by Moore 1961) (2)

Helictysum intermedium var. (2,3)
Korthalsella clavata (on *Coprosma linariifolia*, *C. propinqua*, and *Melicope simplex*) (unc 2)
K. lindsayi (on *Melicope simplex*) (2)(unc)
Kunzea ericoides agg. (1,2,3)
Leucopogon fraseri s.s. (1,2,3)
Melicope simplex (1,2,3)
Melicytus alpinus s.s. (1,2,3)
Myrsine divaricata s.s. (1,2,3)
Olearia aricennifolia (2,3)
O. cymbifolia (3)
O. odorata (2)(unc)
Pimelea oteophila (1,3)
Traversia baccharoides (2)(unc)
Urtica ferox (2,3)

DICOT LIANES

Calystegia tugatorum (2,3)
Clematis forsteri (1,2,3)
Muehlenbeckia australis (1,2)
M. axillaris (3)
M. complexa (1,2,3)
Parsonsia capsularis var. (1,2,3)
P. heterophylla (2,3)
Rubus cissoides var. (leaflets broader than in var. *cissoides*) (2,3)
R. schmidelioides var. *subpaupetatus* (1,2,3)

LYCOPODS

Lycopodium fastigiatum (3)

FERNS

- Asplenium flabellifolium* agg. (2,3)
A. hookerianum (2,3)
A. lyallii (2,3)
A. richardii (2,3)
A. terrestre ssp. *terrestre* (2,3)
A. sp. (unnamed; aff. *A. trichomanes*) (1,2,3)
Blechnum chambersii (2)
B. panna-marina (2,3)
Cystopteris tasmanica (1,2,3)
Pellaea rotundifolia (2,3)
Phymatosorus pustulatus (2,3)
Polystichum richardii (1,2,3)
P. vestitum (2,3)
Pteridium esculentum (2,3)
Pyrosia eleagnifolia (2,3)

ORCHIDS

- Corybas trilobus* ss. (2,3)
Pterostylis australis (2,3)

GRASSES

- Australopyrum calceis* ssp. *calceis* (2)
Dichelachne etnita (2,3)
Echinopogon ovatus (2)
Elymus multiflorus (2,3)
E. hardyioides (2,3)
E. sp. (aff. *E. rectisetus*) (1,2,3)
Festuca novae-zelandiae (2,3)
Koeleria sp. (*K. novozelandica* agg. (lvs flat) (2) (unc)
Microlaena stipoides (2,3)
Poa cita ssp. *cita* (1,2,3)
P. colensoi (1,2,3)
P. imbecilla (1,2,3)
Rytidosperma clavatum (2,3)
R. gracile (2,3)
Trisetum sp. (unnamed) (plants slender; lf sheath glabrous or nearly so) (1,3)

SEDGES

- Carex breviculmis* (2)
Uncinia sp. (*U. laxiflora?*) (2,3)

RUSHES

- Luzula picta* (?) (2,3)

MONOCOT HERBS OTHER THANGRASSES AND SEDGES

- Arthropodium candidum* (1,2,3)
Libertia ixioides (2,3)
Phormium cookianum (1,2,3)

COMPOSITE HERBS

- Celmisia monroi* ssp. *monroi* (2,3)
Craspedia sp. (unnamed) (lvs pale green, both surfaces densely clad in short hairs up to 0.15mm long; lf margins white with cottony hairs; fls yellow) (1) (unc)
Helichthysum filicaule (3)
Lagenifera pumila (3)
Senecio glaucophyllus ssp. (aff. ssp. *toa*) (1,3)
S. quadridentatus (2,3)
Vittadinia australis agg. (2)

DICOT HERBS OTHER THAN COMPOSITES

- Acaena dumicola* (2,3)
A. juvenca (1,2,3)
Aciphylla sp. (juv. only) (2) (unc)
Cardamine sp. (*C. debilis* agg.) (cf. "Narrow Petal" of Pritchard 1957) (2,3)
Crassula tetrameta (2)
Dichondra sp. (unnamed) (1,2,3)
Epilobium nummularifolium (1,2,3)
E. pubens (1,3)
E. vernicosum (1,2,3)
Galium trilobum (1,2,3)

- Gentiana corymbifera (1,3)
- Geranium microphyllum (1,2,3)
- G. sessiliflorum var. n.3 (2,3)
- Gingidia montana (1,2,3)
- Haloragis erecta ssp. erecta (1,2,3)
- Myosotis tenericaulis (1)
- M. sp. (M. australis agg) (fls yellow) (3)
- Otcomyrthis ramosa agg. (1) (unc)
- Parietaria debilis (1)
- Plantago spathulata ssp. spath. (2,3)
- Ranunculus reflexus (2) (unc)
- Schizilema toughii (1,3)
- Scleranthus uniflorus (2,3)
- Urtica incisa (1,2,3)
- Viola cunninghamii (1,3)
- Wahlenbergia albomarginata
var. albomarginata (incl. W.
pygmaea var. laxa, W. brockiei,
and W. simpsonii) (1,2,3)

ADVENTIVE PLANTS

DICOT SHRUBS

- Ribes grossularia
- Rosa micrantha
- R. rubiginosa

GRASSES

- Agrostis capillaris
- Aira caryophyllea
- Anthoxanthum odoratum
- Arrhenatherum elatius
- Bromus hordeaceus
- B. sterilis

- B. willdenowii
- Dactylis glomerata
- Festuca nigrescens
- Holeus lanatus
- Hordeum murinum
- Lolium perenne
- Poa pratensis

RUSHES

- Juncus articulatus

COMPOSITE HERBS

- Carduus tenuiflorus
- Cirsium vulgare
- Crepis capillaris
- Hieracium lepidulum
- Lapsana communis
- Mycelis muralis
- Sonchus oleraceus

DICOT HERBS OTHER THAN

COMPOSITES

- Acaena novae-zelandiae
- Anagallis arvensis
- Aphanes arvensis
- Arenaria serpyllifolia
- Callitriche sp.
- Cerastium fontanum ssp. vulgare
- Dianthus armeria
- Digitalis purpurea
- Echium vulgare
- Galium aparine
- G. divaricatum
- Geranium molle
- Lemna sp.
- Linum catharticum
- Marrubium vulgare
- Minulus moschatus
- Myosotis laxa ssp. caespitosa

Orobanche minor
Prunella vulgaris
Sisymbrium officinale
Stellaria media
Trifolium arvense
T. dubium
T. repens
Verbascum thapsus
V. virgatum
Veronica arvensis
Vicia angustifolia

No. of indigenous spp.: 117.
No. of adventive spp.: 52.

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- Pritchard, G.G. 1957: Experimental taxonomic studies on species
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