

INDIGENOUS VASCULAR PLANTS OF DUN MOUNTAIN[†]
"MINERAL BELT", 1000-3703 FT (300-1125 M)

A.P. Druce, Botany Division, D.S.I.R. Sept. 1981
(revised June 1982)

Based on visits Jan 1981 - Apr. 1990
(Additions by B.P.J. Molloy 1986)

†GHd ref. NZMS 260 027 415849

July 1985
Apr. 1986
Aug. 1986
June 1988
Oct. 1988
Oct. 1989
June 1990
July 1991
Apr. 1992

GYMNOSPERM TREES AND SHRUBS

- Dacrydium cupressinum
- Halocarpus biformis
- Lepidothamnus laxifolius
- L. intermedius x L. laxifolius
- Libocedrus bidwillii
- Phyllocladus alpinus agg.
- P. trichomanoides s.s.

- Podocarpus hallii
- P. nivalis (Gibbs, date?)

- Pseudopanax arboreus var. arboreus (March 1993)
- P. colensoi s.s.
- P. crassifolius

- Waimannia racemosa var. racemosa

DICOT TREES

- Elaeocarpus hookerianus
- Güiselinia littoralis
- Metrosideros umbellata
- Myrsine australis
- Nothofagus fosca
- N. menziesii
- N. solandri

DICOT SHRUBS

- Aristotelia fruticosa var.
- A.f. x A. serrata (Gibbs 1911, as A. colensoi)
- Cassinia vauvilliersii

- Coprosma colensoi s.s.
- C. foetidissima
- C. lucida s.s.
- C. microcarpa

C. propinqua ssp. *propinqua*

L. fraseri ss.

C. robusta

Melicactus alpinus ss.

C. sp.(i) (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (lf undersurface not minutely hairy as is usual in *C. parviflora*; drupes vs. unpigmented, occ. purplish red)

Melicope simplex

Myrsine divaricata ss.

Olearia arborescens

O. serpentina

Pentachondra pumila

Pimelea suteri

P. tomentosa (unc)

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

Pittosporum anomalum

P. rigidum var. (*P. crassicaule*)

C. sp.(iii) (unnamed) (*C. parviflora* var. *domosa* Allan 1961, non Cheesem. 1906)

Pseudopanax anomalus

C. propinqua X *C. robusta*

Corokia cotoneaster var.

DICOT LIANES AND RELATED

Cyathodes empetrifolia

TRAILING PLANTS

C. sp. (*C. juniperina* agg.) (lvs small, vs. < 1cm X < 1mm)

Clematis forsteri ("rotifolia" forms) (unc)

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

Muehlenbeckia axillaris

Parsonsia capsularis

D. proum

D. uniflorum

D. longifolium X *D. proum*

Rubus cissoides var. (lfts broader than in var. *cissoides*)

Exocarpos bidwillii

LYCOPODS

Gaultheria autipoda

Hebe carnosula

Lycopodium australianum (unc)

L. scariosum

H. venustula (incl. *H. brachysiphon*)

L. varvii (incl. *L. billardierei*

and *L. novae-zelandicum*)

H. odora

L. volubile

(Gibbs 1911 + Betts 1918, as *Veronica boxifolia*; Cochrane 1928, as *Hebe boxifolia*; Lyon et al., 1971, and

Brooks + McDonnell, 1983

Leptospermum scoparium

Leucopogon fasciculatus var.

FERNS

Asplenium flaccidum
A. hookerianum
A. terrestre ssp. *terrestre*
Blechnum discolor
B. fluviatile agg.
B. minus
B. penna-marina
B. procerum
B. vulcanicum
B. sp. (unnamed) (common
lowland sp.; lower pinnae re-
duced in length)
B. procerum x *B. sp.* (unnamed)
Botrychium biforme
Gleichenia dicarpa (Gibbs 1911, as
G. circinata)
Grammitis billardieri
G. magellanica ssp. *nothofageti*
Hymenophyllum bivalve
H. demissum
H. multifidum
H. villosum
Ophioglossum coriaceum agg.
Pteridium esculentum
Sticherus cunninghamii (Gibbs
1911, as *Gleichenia cunninghamii*)

ORCHIDS

Chiloglottis cornuta
Corybas trilobus ss.
Eatina autumnalis
E. mucronata ss.
Gastrodia cunninghamii
Genoplesium nudum (Kirk 1886, as *Prasophyllum nudum*)
Microtis unifolia
Prasophyllum colensei
Pterostylis humilis
P. sp. (*P. australis*?)

Thelymitra longifolia

GRASSES

Agrostis sp. (unnamed; aff. *A. dyeri*)
(panicle spreading, not contracted
as in *A. dyeri*) (unc)
Chionochoa cheesemanii
C. defracta
Elymus sp. (aff. *E. rectisetus*)
Festuca sp. (unnamed; aff. *F. rubra*)
Lachnagrostis sp. (unnamed;
included in *L. filiformis*, as var
semiglabra, by Zetov 1965)
Microlaena avenacea
Poa acicularifolia ssp. *ophitalis*
P. colensei
P. acicularifolia x *P. colensei* (?)
Rytidosperma gracile
R. setifolium
Trisetum sp. (unnamed; aff. *T.*
antarcticum)

SEDGES

Baumea tubiginosa

B. tenax

Carex breviculmis

C. devia

C. traversii

Cyperus alpina s.s.

Gahnia pauciflora

G. procera (Betts 1920)

G. xanthocarpa

Isolepis Aucklandica

Lepidosperma australe

Oreobolus pectinatus

Schoenus pauciflorus s.s. ('slender form')

of Edgar 1970, p. 194)

Uncinia divaricata

U. fuscovaginata var (plants glaucous)

U. rubra

RUSHES

Juncus novae-zelandiae

Luzula picta s.s.

L. sp. (unnamed; aff. *L. tufo*) (lvs up to 2.5mm wide, channelled, strict)

MONOCOT HERBS (OTHER THAN

ORCHIDS, GRASSES, SEDGES, RUSHES)

Astelia fragrans

A. graminea

A. sp. (i) (unnamed; aff. *A. nervosa*) (lvs narrow) by Raven and Engelhorn, 1971)

A. sp. (ii) (unnamed; aff. *A. nervosa*) (lvs broad)

Dianella nigra

Luzuriaga parviflora

Libertia grandiflora (Gibbs 1911)

L. ixoides (Gibbs 1911, Betts 1920,

Cockayne 1928)

Phormium cookianum

P. tenax (Gibbs 1911)

COMPOSITE HERBS

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

Brachyglottis sp. (unnamed)

Celmisia sinclairii (Cheeseman 1882; Martin 1935, as *C. allanii*)

C. gracilentia ssp.

C. hieracifolia ssp.

C. spectabilis ssp. *spectabilis* (unc)

Helichrysum filicaule (unc)

Raoulia glabra

DICOT HERBS (OTHER THAN COMPOSITES)

Anisotome aromatica

A. filifolia

Colobanthus sp. (unnamed) (superficially like *Sagina procumbens*)

Drosera peltata ssp. *auriculata*

Epilobium pubens

E. sp. (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*)

by Raven and Engelhorn, 1971)

Euphrasia montoi

Gentiana sp. (aff. *G. tenuifolia*) (biennial; stems few, tall, erect)

Kelleria laxa

Myosotis monroi

Neopaxia sp. (*Montia calycina*) (incl.

Claytonia australasica var. *biflora*)

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

Oreomyza sp.

Potantheta microphylla (Gibbs 1911)

Schizailoma roughii (Cheeseman 1882,
as *Pozoa roughii*; Cheeseman 1925)

Stellaria roughii (Cheeseman 1882;

Gibbs, 1911, reports that it "... has
now quite disappeared...")

Viola cunninghamii

Wahlenbergia albomarginata var.
albomarginata (include *W. pygmaea*
var. *laxa*, *W. brockeei*, and *W.*
Simpsonii)

No. of species: 162.

DOUBTFUL AND ERRONEOUS RECORDS NOT INCLUDED IN MAIN LIST

Brachyglottis bellidioides (Batts 1920, as *B. sp.* (unnamed))

Record

Senecio bellidioides

Probable identity of plant on which
record based

Astelia linearis (Cheeseman 1882)

Astelia graminea (?)

A. nervosa (Gibbs 1911; Batts 1918

A. sp.(i) and/or *A. sp.*(ii)

and 1920, as *A. montana*; Cochayne
1928, as *A. cochaynei*)

Carex lachenalii (Cheeseman 1925, as *C. lagopina*)

Celmisia incana (Cheeseman 1882,
as *C. discolor*)

C. laricifolia (Cheeseman 1882)

C. monroi (Cheeseman 1882)

Chionochloa rigida (Gibbs 1911 &
Batts 1918, as *Danthonia raoulii*)

Chionochloa defracta

Record

Probable identity of plant on which
record based

C. rubra (Brooks & McDonnell, 1983)

C. defracta

Lagarostrobos colensoi (Cheeseman 1882, as Dactydivium colensoi)

Lepidothamnus intermedius (Cheeseman 1882, as Dactydivium intermedium) Lepidothamnus intermedius X L. laxifolius (?)

Dracophyllum rosmarinifolium (Cheeseman 1882, Gibbs 1911, Betts 1918 and 1919)

Dracophyllum prorum

Epilobium pedunculare (Betts 1918 and 1919)

Epilobium sp. (unnamed)

Gentiana corymbifera (Betts, 1918 and 1920)

Halocarpus bidwillii (Cheeseman 1882, as Dactydivium bidwillii) Halocarpus biformis (?)

Hebe menziesii (Betts 1918, as Veronica menziesii)

H. pinguifolia (?) (Betts 1918, as Veronica Hebe carnosula pinguifolia?)

Lobelia roughii (Cheeseman 1882)

Meliccytus crassifolius (Gibbs 1911, as Hymenanthera crassifolia)

Meliccytus alpinus

Metrosideros robusta (Betts 1919)

Myosotis macrantha (Cheeseman 1882, as Exarthena macrantha)†

Myosotis montoi?

M. saxosa (Ch. 1882, as E. saxosa)

M. montoi?

Olearia virgata (Gibbs 1911, Betts 1920)

Olearia serpentina

Pimelea lyallii (Cheeseman 1882)

Pimelea suteri

Rubus australis (Betts 1919)

Rubus cissoides

†Don Mountain is given as one of the original localities for M. macrantha (see Moore 1961, p. 829)

7

REFERENCES

Batts, M.W. 1918: Notes on the autecology of certain plants of the peridotite belt, Nelson: Part 1 - Structure of some of the plants (No. 1). Trans N.Z. Inst. 50: 230-43.

————— 1919: (No. 2) Trans N.Z. Inst. 51: 136-56.

————— 1920: (No. 3) Trans N.Z. Inst. 52: 276-314.

Brooks, R.R.; McDonnell, M.J. 1983: Delineation of New Zealand ultramafic rocks by computer processing of digital data from satellite imagery. N.Z. J. Sci. 26: 65-71.

Cheeseman, T.F. 1882: Contributions to a flora of the Nelson Provincial District. Trans N.Z. Inst. 14: 301-29.

————— 1906: "Manual of the N.Z. Flora. Govt. Printer, Wellington. 1199 pp.

————— 1925: "Manual of the New Zealand Flora. Ed. 2 (Ed. W.R.B. Oliver). Government Printer, Wellington. 1163 pp.

Cochayne, L. 1928: "The Vegetation of New Zealand". Ed. 2. Engleman, Leipzig. 456 pp.

Edgar, E. 1970: Cyperaceae. Pp. 167-285 in "Flora of New Zealand". Government Printer, Wellington. Vol. 2. 354 pp.

Gibbs, F.G. 1911: Pp. 3-5 in "The Geology of the Dun Mountain Sub-division Nelson". N.Z. Geol. Surv. Bull. 12.

————— (date?): Dun Mountain Line: Names of trees & larger shrubs. (Evening, Mail Print)

Kirk, T. 1886: Additional contributions to the flora of the Nelson provincial district. Trans N.Z. Inst. 18: 318-24.

Lyon, G.L.; Peterson, P.J.; Brooks, R.R.; Butler, G.W. 1971: Calcium, magnesium and trace elements in a N.Z. serpentine flora. J. Ecol. 59: 421-9.

Oliver, W.R.B. 1935: "The Genus Coprosma". Bishop Mus. Bull. 132. 207 pp.

Martin, W. 1935: Species of Celmisia indigenous to Marlborough, with descriptions of new species and varieties. Trans. R. Soc. N.Z. 65: 169-86.

Raven, P.H.; Engelman, T. 1971: New taxa and new combinations in Australasian Epilobium (Onagraceae). N.Z. J. Bot. 9: 345-50.

Zotov, V.D. 1965: Grasses of the subantarctic islands of the New Zealand region. Ree-Dom. Mus. Wellington 5: 101-46.

Moore, H.B. 1961: In "Flora of N.Z.". Govt. Printer, Wgtn. Vol. 1. 1085 pp.

