

HIGHER PLANTS (QUILLWORTS, LYCOPODS, FERNS, GYMNO-
SPERMS, FLOWERING PLANTS) OF COBB VALLEY AND
BURGOO STM HEADWATERS, NORTH-WEST NELSON,

2500-3600 FT / 760-1100 M

Crit. ref.: M26 739 124 (Chapman's Hist.)

A.P. Druce, Wellington, August 1984

(revised Sept. 1984, Nov. 1984, May 1985, July 1985, Sept. 1985,
Dec. 1985, Apr. 1986, Aug. 1986, June 1987, Oct. 1987, Dec. 1987,
June 1988, Dec. 1988, Oct. 1989, Sept. 1990, Nov. 1990, Aug. 1991,
July 1992, Oct. 1992, March 1993)

Based on visits 1969-1991

(unc) - uncommon or local

W - seen W of Anatoki Thrust, i.e. in upper Cobb V.

E - seen E of Anatoki Thrust, i.e. in lower Cobb V.

(m) - confined to ultramafic rocks ("Mineral Belt")

(E) - confined to limestone (in E)

Plants confined to Cobb V., or Cobb V.-Takaka V. ultramafic rocks:
in N.W. Nelson:

Dracophyllum longifolium var. (ii) *Luzula* sp. (iii)

Pimelea sp. (aff. *P. sericeovillosa*) *L.* sp. (iv)

Clamatis quadribracteolata *L.* sp. (v)

Pterostylis furcata *Cardamine* sp. (iii)

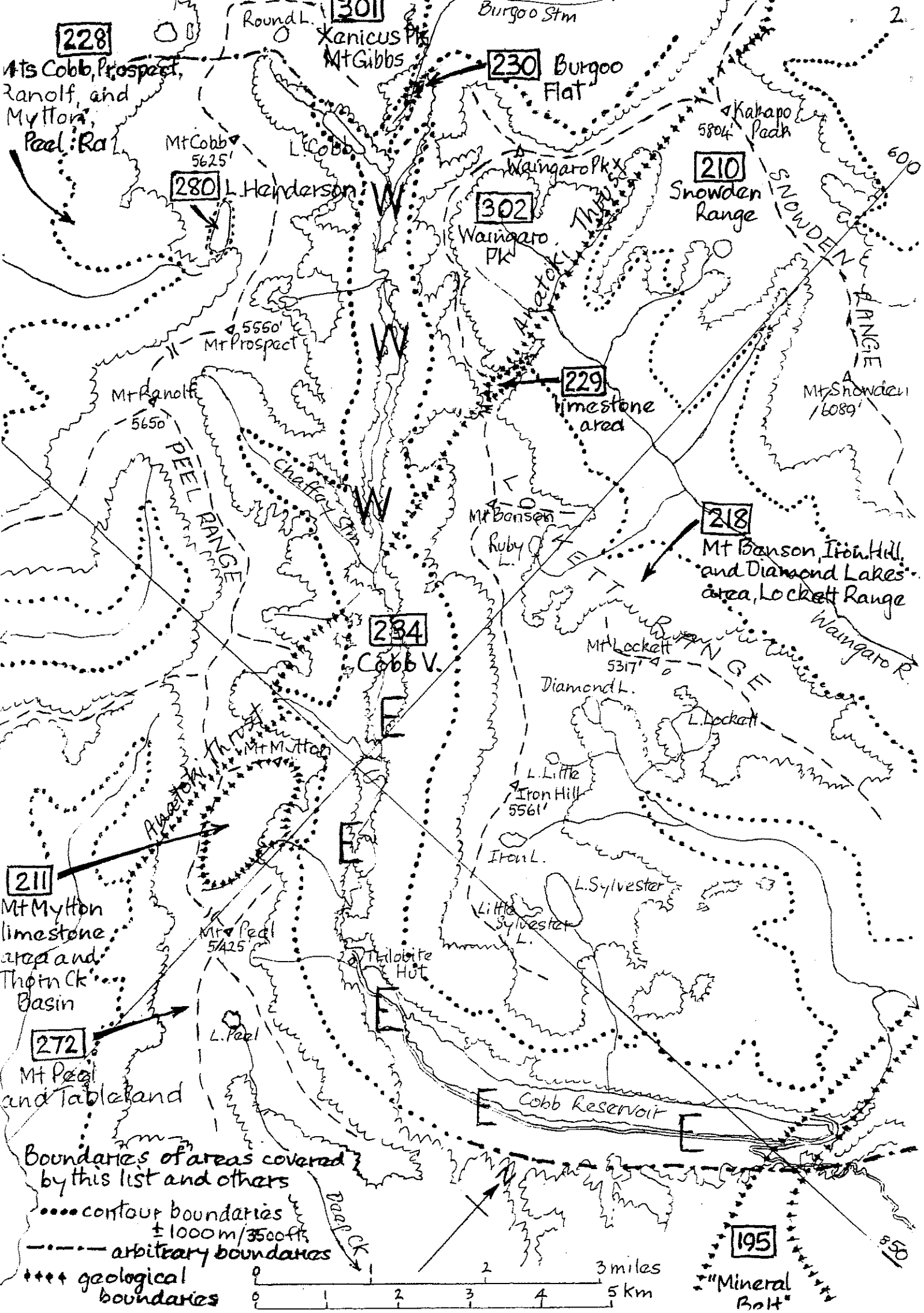
Chionochoila defracta *C.* sp. (vi)

Elymus tenuis *Colobanthus* sp. (aff. *C. wallii*)

Trisetum sp. (i) *Gentiana* sp. (aff. *G. montana*)

Carex devia *Myosotis tenericaulis*

C. dipsacea var. (*C. talioata*) *Ranunculus ternatifolius*



228

Mts Cobb, Prospect, Ranolf, and Mylton, Peel Range

280

L. Henderson

230

Burgoo Flat

302

Waingaro PK

210

Snowden Range

229

limestone area

218

Mt Benson, Iron Hill, and Diamond Lakes area, Lockett Range

234

Cobb V.

211

Mt Mylton limestone area and Thorn Ck Basin

272

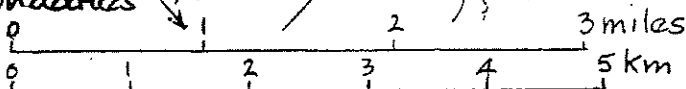
Mt Peal and Tableland

195

"Mineral Belt"

Boundaries of areas covered by this list and others

- contour boundaries ± 1000 m / 3500 ft
- - - - - arbitrary boundaries
- +++ geological boundaries



INDIGENOUS SPECIESGYMNOSPERM TREES AND SHRUBS

- WE *Halocarpus bidwillii*
 WE *H. biformis*
 W *H. bidwillii* x *H. biformis* (unc)
 WE *Lepidothamnus laxifolius*
 WE *L. intermedius* x *L. laxifolius*
 WE *Libocedrus bidwillii* (unc)
 WE *Phyllocladus* sp. (unnamed; aff. *P. alpinus*) ("lowland" ecotype of Wardle 1969)
 E *Podocarpus hallii*
 WE *P. nivalis*
 E *P. hallii* x *P. nivalis* (unc)

DICOT TREES

- E *Aristotelia serrata*
 E *Carpodetus serratus*
 WE *Dracophyllum traversii* (incl. *D. pyramidale*)
 E *Elaeocarpus hookerianus*
 WE *Fuchsia excorticata*
 WE *Griselinia littoralis*
 WE *Hoheria* (*Hallii* var. (*H. glabrata*))
 WE *Metrosideros umbellata*
 WE *Nothofagus fusca*
 WE *N. menziesii*
 WE *N. solandri* var. *eliffortoides*
 E *N. fusca* x *N. solandri* (unc)
 E *Pittosporum dallii* (unc)
 WE *P. patulum* (unc)
 E *P. tenuifolium*

E *Pseudopanax colensoi* s.s.E *P. crassifolius*WE *P. linearis*WE *P. simplex* (incl. *P. s.* var. *sinclairii*)WE *P.* sp. (unnamed; included in *P. colensoi*, as var. *fiordensis* and as var. *ternatus*, by Wardle 1968)MONOCOT TREESE *Cordyline australis* (unc)DICOT SHRUBSWE *Arctostaphylos traversii* (incl. *A. t.* var. *australis*)WE *Aristotelia fruticosa* var.W *A. f.* x *A. serrata* (unc)E *Brachyglottis bidwillii* var. *viridis* (unc)E *B. hectorii* (unc)W *B. rotundifolia* var. (incl. *B. buchananii* and *B. cockaynei*)WE *Cassinia vauvilliersii*WE *Coprosma acerosa* ssp. (prostrate, widely rhizomatous shrubs)E *C. atropurpurea* (unc)WE *C. cheesemanii* s.s.WE *C. ciliata* ssp. *ciliata*WE *C. colensoi* s.s.W *C. crenulata*WE *C. depressa*WE *C. foetidissima*E *C. linariifolia*E *C. microcarpa*E *C. obconica* ssp. *obconica* (unc)

W *C. perpusilla* ssp. *perpusilla*
WE *C. propinqua* ssp. *propinqua*

(m) *C. cotoneaster* var. (unc)
W *Cyathodes dealbata* (incl. *C. pumila*)
WE *C. empetrifolia*

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

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

E *C. rhamnoides* (incl. *C. polymorpha*)

E *Discaria tomatou*

E *C. rigida*

WE *Dracophyllum longifolium* var. (i) (incl. *D. fitifolium* and *D. oliveri*)

WE *C. rugosa* ssp. *rugosa*

(ii) *D. l.* var. (ii) (sprawling to suberect shrubs up to 1m tall or more, often with trailing branches, which may reach 4m in length; lvs ± glaucous, ± spreading, 2.5-5cm long)

WE *C. sp.* (i) (unnamed; aff. *C. pseudocuneata*) (low-growing shrubs with small, thick, arcuate lvs)

WE *D. pubescens* var. *pubescens*

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

W *D. uniflorum*

WE *D. longifolium* var. (i) X *D. pubescens* (unc)

WE *C. sp.* (iii) (unnamed) (*C. parviflora* var. *dumosa* sensu Allan 1961, non *C. p.* var. *dumosa* Cheeseman)

W *D. l.* var. (i) X *D. uniflorum* (unc)

(m) *D. l.* var. (i) \rightleftharpoons var. (ii)

W *D. pubescens* X *D. uniflorum* (unc)

WE *Epacris alpina*

WE *Exocarpos bidwillii*

WE *Gaultheria antipoda*

WE *C. sp.* (iv) (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)

WE *G. crassa*

WE *G. macrostigma*

E *G. rupestris* (incl. *G. subcorymbosa*)

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

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

E *G. antipoda* X *G. crassa* (unc)

E *C. propinqua* X *C. robusta* (unc)

E *G. a.* X *G. rupestris* (unc)

WE *G. a.* X *G. sp.* (unnamed) (unc)

E *G. macrostigma* X *G. rupestris* (unc)

WE *Coriaria plumosa*

E *C. sarmentosa*

E *C. plumosa* X *C. sarmentosa*

WE *G. m.* X *G. sp.* (unnamed)

E *Corokia cotoneaster* var. *cotoneaster*

- WE *Hebe albicans* var. *albicans*
 WE *H. cantaburiensis*
- E *H. gracillima*
 WE *H. odora* s.s.
 WE *H. salicifolia* var. *salicifolia*
 W *H. tetragona* var. (*H. coarctata*)
 WE *H. topiaria*
 E *H. venustula* (incl. *H. brachysiphon*)
 WE *H. vernicosa*
 (E) *H. sp. (i)* (unnamed) (multi-branched shrubs; lvs up to 4x1cm elliptic-oblong, bright green; upper surface very glossy)
 WE *H. sp. (ii)* (*Leonchebe masoniae*) (incl. *L. m.* var. *rotundata*)
 E *H. sp. (ii)* (unnamed; aff. *H. glaucophylla*)
 E *H. albicans* X *H. gracillima* (unc)
 E *H. odora* X *H. tetragona* (unc)
 E *Helichtysum parvifolium* (unc)
 E *Kunzea ericoides* agg.
 WE *Leptospermum scoparium*
 WE *Leucopogon fasciculatus* var. (juv. lvs not much wider than adult lvs)
 WE *L. fraseri* s.s.
 WE *Malicytus alpinus* s.s.
 (m) *M. obovatus* var. *obovatus* (unc)
 WE *Myrsine divaricata* s.s.
 W *M. nummularia*
 E *Neomyrtus pedunculata*
 WE *Olearia arborescens*
 E *O. avicenniifolia*
 W *O. capillaris* (unc)
 WE *O. colensei* var. *colensei* (unc)
 WE *O. lacunosa* var. *lacunosa*
- WE *O. nummulariifolia* var. (lvs distinctly longer than broad, rather than suborbicular as in var. *nummulariifolia*) (unc)
 WE *O. virgata* var. *implicita* (incl. *O. v.* var. *divaricata*? *O. v.* var. *laxiflora*)
 W *O. arborescens* X *O. capillaris* (unc)
 W *O. a.* X *O. lacunosa* (unc)
 W *O. ilicifolia* X *O. lacunosa* (unc)
- WE *Pentachondra pumila*
 WE *Peraxilla tetrapetala* (unc)
 WE *Pimelea oreophila*
 WE *P. prostrata* (unc)
 E *P. sp.* (unnamed; aff. *P. sericeovillosa*) (prostrate shrubs; lvs villos on abaxial surface)
- WE *Pittosporum anomalum*
 E *P. divaricatum*
 WE *P. rigidum* var. (*P. crassicaule*)
 WE *Pseudopanax anomalus*
 E *Pseudowintera colorata*
 WE *Traversia baccharoides*
 E *Urtica ferox* (unc)
- DICOT LIANES AND RELATED
TRAILING PLANTS
 E *Clematis forsteri*
 E *C. quadribracteolata* (unc)
 E *Muehlenbeckia australis*
 WE *M. axillaris*
 E *M. complexa*
 E *M. australis* X *M. axillaris* (unc)

- EM.a. x M. complexa (unc)
- EMaxillaris x M. complexa (unc)
- WE Rubus cissoides var. (flts broader than in var. cissoides)
- WE R. parvus (unc)
- WE R. schmidelioides var. schmidelioides
- E R. cissoides x R. schmidelioides (unc)
- in length) ("The Dunedin-Cass Variety" Crookes 1963)
- EB. procerum x B. sp.(a) (unc)
- WE Cyathea colensoi
- ECystopteris tasmanica
- WE Grammitis billardierei
- E G. ciliata (unc)
- WE G. magellanica ssp. nothofageti (unc)
- E G. patagonica (unc)

GUILLWORTS AND LYCCOPDS

- W Isoetes alpinus
- WE Lycopodium australianum
- WE L. fastigiatum
- WE L. scariosum
- WE L. varium
- E L. volubile
- WE Hysteropteris incisa
- E Hymenophyllum flabellatum (unc)
- WE H. multifidum
- W H. pettatum (unc)
- (ml) H. pulcherrimum (unc)
- WE H. tarum
- WE H. villosum
- WE Hypolepis millefolium
- WE H. rufo-barbata (unc)
- WE Ophioglossum coriaceum agg.
- WE Paesia scaberula
- E Phymatosorus pustulatus (unc)
- WE Polystichum vestitum
- E Pteridium esculentum

FERNS

- E Asplenium flabellifolium agg. (unc)
- WE A. flaccidum
- E A. hookerianum (unc)
- (E) A. lyallii (unc)
- E A. richardii
- E A. terrestre ssp. terrestre (unc)
- E Asp. (unnamed; aff. A. trichomanes) (unc)
- WE Blechnum fluviatile agg.
- WE B. penna-marina
- WE B. procerum
- E B. vulcanicum
- WE B. sp. (i) (unnamed) (common lowland sp.; lower pinnae reduced in length)
- WE B. sp. (ii) (unnamed) (mountain sp.; lower pinnae not reduced)
- WE Paesia scaberula
- E Phymatosorus pustulatus (unc)
- WE Polystichum vestitum
- E Pteridium esculentum
- (E) ORCHIDS (E) Rumohra adiantiformis (unc)
- W Acianthus viridis (unc)
- W Adenochilus gracilis
- W Apocostylis bifolia
- WE Caladenia lyallii
- E C. carnea agg.
- WE Chiloglottis cornuta
- E Corybas macranthus
- E C. fivulatis ss
- WE C. trilobus ss
- W C. sp. (unnamed; aff. A. trilobus) (unc)
- E Gastrodia cunninghamii
- E Ganoplesium nudum (unc)

W *Microtis oligantha*
 E *M. unifolia*
 WE *Prasophyllum colensei*

WE *Pterostylis australis*
 E *P. furcata* (Mezger 1981, as *P. micromega*)

WE *P. irseniana*
 E *P. oliveri*

W *P. venosa* (unc)
 E *P. sp.* (undetermined)

E *Thelymitra cyanea*

E *T. decora*

E *T. formosa*

E *T. hatchii*

E *T. longifolia*

W *C. sp.* (unnamed) (*C. flavescens*
 auct. South I., non *C. f. Zotoy*)

W *C. australis* X *C. rubra* (unc)

W *C. conspicua* X *C. rubra* (unc)

W *C. pallens* X *C. rubra* (unc)

W *C. rubra* X *C. sp.* (unnamed) (unc)

E *Cortaderia richardii*

E *Deschampsia caespitosa* var.
mactantha (unc)

W *D. novae-zelandiae*

WE *D. tenella*

WE *Deyeuxia aucklandica*

WE *D. avenoides* (incl. *D. a. var. brachyantha*)

E *Dichalachne crinita* (unc)

GRASSES

W *Agrostis dyeri* ss.

W *A. personata*

W *A. sp.* (unnamed; aff. *A. dyeri*)
 (panicle spreading, not contracted
 as in *A. dyeri*)

WE *Chionochloa australis*

WE *C. conspicua* ssp. *conspicua*

(in) *C. defracta*

WE *C. pallens* ssp. *pallens*

WE *C. rubra* ssp. *occulta*

W *Elymus enysii* (unc)

E *E. narduroides* (unc)

E *E. tenuis* (unc)

E *E. sp.* (aff. *E. tectisetus*) (plants ±
 glaucous; awns 4-6cm long) (unc)

W *Festuca sp.* (i) (aff. *F. matthewsii*) (tuft-
 ed, but not tussock-forming, glaucous)

E *F. sp.* (ii) (unnamed; aff. *F. rubra*)

W *Hierochloa novae-zelandiae*

E *H. recurvata* (unc)

WE *Lachnagrostis* sp. (i) unnamed; included in *L. filiformis*, as var. *semiglabra* by Zotov (1965)

W *L.* sp. (ii) (unnamed) (glumes up to 1mm long; awn short or absent)

WE *Microlaena avenacea*

W *Poa breviglumis*

W *P. calsa* (unc)

E *P. cita* ssp. *cita*

WE *P. colensoi*

W *P. dipsacea* (unc)

WE *P. imbecilla*

E *P. kirkii* (unc)

W *P. maia* (unc)

W *P. pusilla* (unc)

W *Rytidosperma australe* (unc)

E *R. buchananii*

E *R. clavatum* (unc)

WE *R. gracile*

W *R. nigricans*

WE *R. setifolium*

E *R. viride* (unc)

E *Simplicia buchananii* (unc)

(in) *Trisetum* sp. (i) (unnamed; aff. *T. antarcticum*) (If sheath densely hairy, with both long & short hairs, especially in the lower two thirds)

E *T.* sp. (ii) (unnamed) (plants slender; If sheath usually glabrous; If blade flat, margins smooth, us. with a few hairs near ligule)

W *C. dallii* (unc)

(m) *C. dena*

E *C. dipsacea* var. (*C. tahoata*) (unc)

E *C. dissita* ss.

WE *C. echinata* var. (*C. stellulata* var. *australis*)

WE *C. flaviformis*

WE *C. gaudichaudiana*

W *C. kirkii* (incl. *C. k.* var. *elation*) (unc)

W *C. libera*

E *C. secta* s.s.

WE *C. sinclairii*

E *C. testacea* s.s. (unc)

E *C. wakatipu* s.s.

WE *C.* sp. (i) (unnamed; aff. *C. testacea*) (lvs broader than in *C. testacea*, vs. reddish; utricles margins not scabrid)

WE *C.* sp. (ii) (unnamed; aff. *C. coriacea*) (lvs slender, bright green)

E *C.* sp. (iii) (cf. *C. dissita* var. *monticola*) (unc)

WE *Carpha alpina* ss.

WE *Eleocharis acuta*

W *E. gracilis*

W *E. pusilla* (unc)

WE *Gahnia procera*

W *Isolepis aucklandica*

W *I. caligenis* (unc)

WE *I. habra*

E *I. pottsii* (unc)

W *I. subtilissima*

SEDGES

W *Carex aciculatis*

WE *C. breviculmis*

WE *C. cockayneana* (unc)

E *C. colensoi* (unc)

WE *C. comans*

- W *Oreobolus impar*
 WE *O. pectinatus*
 WE *O. strictus*
 WE *Schoenus pauciflorus* s.s. ("Slender form" of Edgar 1970, p. 194)
 W *Uncinia astonii*
 E *U. caespitosa*
 WE *U. clavata*
 WE *U. divaricata*
 W *U. egmontiana*
 W *U. filiformis*
 WE *U. fuscovaginata* var. (plants glaucous) W
 W *U. involuta* (unc)
 W *U. longifructus* (unc)
 WE *U. rubra*
 WE *U. rupestris* (incl. *U. angustifolia*) W
 WE *U. silvestris* (incl. *U. affinis*)
 E *U. uncinata*
 W *U. sp. (i)* (unnamed; aff. *U. nervosa*)
 (more slender than *U. nervosa*;
 see Edgar 1970, p. 231) (unc)
 WE *U. sp. (ii)* (unnamed) (*U. affinis* sensu
 Hamlin 1959, non *U. hapania* var. *affinis*
 Col. ex Clarke; see Nooteboom 1978)
 E *U. clavata* X *U. rupestris* (?) (unc)
- E *L. subclavata*
 WE *L. sp. (i)* (unnamed; aff. *L. rufa*)
 (plants stoloniferous; infl head
 smaller than in *L. rufa*) (unc)
 W *L. sp. (ii)* (unnamed; included in
L. picta, as var. *limosa*, by
 Edgar 1966)
 (m) *L. sp. (iii)* (unnamed; aff. *L. rufa*)
 (lvs up to 2.5 mm wide, channelled,
 strict; heads 6-9 (±2) mm diam.;
 tepals slightly > capsules)
 W *L. sp. (iv)* (unnamed; included in
L. rufa, as var. *albicomans*, by
 Edgar 1966) (unc)
 W *L. sp. (v)* (unnamed) (unc)

MONOCOT HERBS OTHER THAN
ORCHIDS, GRASSES, SEDGES, RUSHES

- WE *Atthropodium candidum*
 W *Astelia graminea*
 W *A. linearis* var. *lineatis*
 W *A. petriei*
 W *A. skottsbergii* (unc)
 WE *A. sp. (i)* (unnamed; included
 in *A. nivicola*, as var. *noticeae*,
 by Moore 1966)
 WE *A. sp. (ii)* (unnamed; aff. *A. nervosa*)
 (lvs broad, not conspicuously white
 adaxially as in *A. nervosa*)
 WE *Bulbinella hookeri*
 W *Herpotion novae-zelandiae*
 E *Libertia ixioides*
 E *L. peregrinans* (unc)
 WE *L. pulchella*
 WE *Luzunaga parviflora*
- RUSHES
- WE *Empodisma minus*
 W *Gaimardia setacea*
 WE *Juncus antarcticus*
 E *J. australis* (unc)
 E *J. gregiflorus*
 WE *J. novae-zelandiae*
 W *J. pusillus*
 WE *Luzula migrata*
 WE *L. picta* s.s.

clad in cottony hairs; fls white)

- WE *Phormium cookianum*
- W *Potamogeton cheesemanii*
- W *P. suboblongus*

- W *C. sp.(i)(unnamed)* (plants summer-green; lvs green, both surfaces clad in multicellular, non-glandular hairs; margins ± white with cottony hairs; fls white)

COMPOSITE HERBS

- WE *Abrotanella caespitosa*
- W *A. linearis* s.s.
- WE *Anaphalis* sp. (*Helichrysum bellidioides* s.s.)
- W *Brachyglottis* sp. (unnamed; included in *B. bellidioides*, as var. *crassa*, by Nordenstam 1978)

- W *C. sp.(iii)(unnamed)* (plants summer-green; lvs green; fls white)

- E *Brachyscome radicata*
- W *Celmisia alpina*
- E *C. bellidioides*
- WE *C. dallii*
- C. gracilentata* ssp. (unc)
- WE *C. hueraeifolia* ssp.
- WE *C. incana* (incl. *C. discolor*)
- W *C. iaticifolia*
- WE *C. mouroi* ssp. (*C. coriacea* var. *lanatifolia*)
- WE *C. similis*
- WE *C. spectabilis* ssp.
- WE *C. traversii* (unc)
- WE *C. sp.* (unnamed; aff. *C. gracilentata*) (plants strongly *Hizematus*)
- W *C. hueraeifolia* x *C. similis* (unc)
- WE *C. spectabilis* x *C. traversii* (unc)

- W *Dolichoglottis scorzoneroides* (unc)
- WE *Gnaphalium audax*
- E *G. ansifer* (unc)
- W *G. laterale*
- WE *G. limosum* s.s.
- WE *G. mackayi* s.s.
- W *G. paludosum* s.s.
- E *G. polylepis* (unc)
- WE *G. tuahinicum*
- WE *G. traversii*

- WE *Helichrysum filicaule*
- E *Lagenifera cuneata*
- W *L. petiolata*
- E *L. pinnatifida*
- E *L. pumila*
- WE *L. strangulata*
- E *L. pumila* x *L. strangulata* (unc)
- W *Leptinella* sp.(i) (unnamed; aff. *L. squalida*) (pinnae entire or nearly so)
- E *L. sp. (ii)* (*L. pyraethrifolia* agg.)

- WE *Craspedia* sp.(i) (unnamed; included in *C. lanata*, as var. *elongata*, by Allan 1961) (plants summer-green; lvs white or greenish-white; both surfaces

- WE *L. sp. (iii)* (unnamed; included in *L. squalida*, as ssp. *medians*, by Lloyd & Webb, 1987)
- WE *Microris scapigera* var.
- W *Pseudognaphalium sp.* (unnamed; aff. *P. luteoalbum*) (lvs mostly linear spatulate to linear, acute) (unc)
- WE *Raculia glabra*
- WE *R. grandiflora* var. *grandiflora*
- WE *R. tenuicaulis* (incl. *R. t.* var. *dimorpha* and *R. t.* var. *pusilla*)
- E *Senecio minimus*
- W *S. waitavensis*
- E *Vittadinia australis* agg. (unc)
- WEC *sp. (iv)* (*C. debilis* agg.) (cf "Long Style" of Pritchard 1957)
- WEC *sp. (v)* (*C. debilis* agg.) ("Glossy Leaf" of Pritchard 1957)
- E *sp. (vi)* (*C. debilis* agg.) ("Slender var." of Allan 1961) (unc)
- WEC *sp. (vii)* (aff. *C. corymbosa*)
- E *C. sp. (viii)* (*C. debilis* agg.) ("Narrow Petal" of Pritchard 1957)
- E *Colobanthus apetalus* (incl. *C. a.* var. *alpinus*)
- (m) *C. sp.* (unnamed; aff. *C. wallii*) (resembling *Sagina procumbens*)

DICOT HERBS OTHER THAN

COMPOSITES

- WE *Acaena auserinifolia*
- E *A. fissistipula* (unc)
- WE *A. inermis*
- WE *A. juvenca*
- W *A. profundeincisa*
- W *Aciphylla colensoi* var. *colensoi* (unc)
- E *A. sp.* (unnamed; aff. *A. glaucescens*) (unc)
- WE *Anisotome aromatica*
- WE *A. deltoidea*
- (m) *A. filifolia*
- WE *A. haastii*
- W *A. sp.* (unnamed) (turf forming; infls short, up to 5cm) (unc)
- W *Cardamine sp. (i)* (*C. debilis* agg.) (unc)
- (m) *C. sp. (ii)* (*C. debilis* agg.) (unc)
- E *C. sp. (iii)* (unnamed) (lvs mostly simple, occ. with up to 2 pairs of prinnules; blades ± reniform) (unc)
- W *Donatia novae-zelandiae*
- W *Drosera arcturi*
- WE *D. spathulata*
- W *D. stenopetala*
- W *Elatine gratioides* agg. (unc)
- WE *Epilobium atriplicifolium* s.s.
- WE *E. brunescens* s.s.
- E *E. cinereum* (unc)
- W *E. cockayneanum*
- E *E. glabellum* s.s.

- W E. komarovianum
- WE E. linnaeoides
- E E. natteroides
- W E. pernitens
- WE E. pubans
- E E. rotundifolium
- E Euphrasia cheesemanii
- W E. townsonii s.s.
- E E. zelandica agg.
- W Forstera mackayi
- W F. tenella
- WE Galium perpusillum s.s.
- W Gentiana bellidifolia var.
- W G. filipes
- W G. gracilifolia (incl. G. vernicesci)
- W G. matthewsii
- W G. montana (incl. G. m. var. stolonifera, G. patula, and G. bellidifolia var. pulchella)
- W G. spenceri
- E G. tenuifolia
- WE G. sp. (unnamed; aff. G. montana) (vs. biennial, occ. perennial; much branched from the base)
- WE Geranium sessiliflorum var. novae-zelandiae
- W G. sp. (unnamed; aff. G. microphyllum)
- WE Geum leiospermum
- WE G. sp. (i) (G. parviflorum agg.) (stock short; terminal leaflet about as long as broad; fls up to 13mm diam)

- WE G. sp. (ii) (G. parviflorum agg.) (stock creeping and branching; terminal leaflet slightly longer than broad; fls up to 8mm diam) (unc)
- W G. leiospermum x G. sp. (b) (unc)
- W G. sp. (i) x G. sp. (ii) (?) (unc)
- WE Gonocarpus aggregatus
- WE G. micranthus ssp. micranthus
- E G. montanus (unc)
- E Gunnera dentata var. dentata
- E Hydrocotyle heteromeia
- WE H. microphylla
- WE H. moschata
- WE H. sulcata
- WE H. sp. (unnamed; included in H. n. 3, as var. montana, by Kirk 1899)
- E Hypericum japonicum agg. (unc)
- W Hypsela sp. (unnamed) (minute herb; fls 3mm diam.; corolla lobes narrowly lanceolate) (unc)
- WE Kalletia dieffenbachii
- WE K. laxa
- E K. multiflora
- E K. tessellata
- WE Lilaeopsis tuthiana
- WE Limosella lineata agg.
- WE Mentha cunninghamii
- W Montia fontana s.s.
- (m) Myosotis brockiei
- WE M. forsteri
- W M. teneticaulis (unc)
- E M. venosa (unc)
- E M. sp. (i) (M. australis agg.) (fls small, white) (unc)

W Psychrophila novae-zealandiae 13

WE Ranunculus altus

E M.sp.(ii) (unnamed; included in M. ER. amphitrichus (unc)

pygmaea, as var. drucei, by W R. cheesemani var. cheesemani
Moore 1961) WER. foliosus

W Myriophyllum pedunculatum ssp.
novae-zealandiae

E M. propinquum

E M. triphyllum (unc)

WE R. glabrifolius

W R. insignis

W Neopexia sp. (incl. Montia calycina WE R. membranifolius
and Claytonia australasica var.
biflora) E R. reflexus

W Nerteta balfouriana

W N. ciliata

W R. simulans (unc)

WE R. ternatifolius (unc)

E N. depressa (incl. N. cunninghamii) IV R. verticillatus

WE N. sp. (unnamed; aff. N. dichond-
rifolia) (hairs present on both surf-
aces of lf, straight, not hooked as in

N. dichondrifolia)

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

W R. sp.(i) (unnamed; aff. R. foliosus)
(lvs dissected) (unc).

WE Oreomyza colensoi ss. (incl. WE R. sp.(ii) (unnamed; included
O.c. var. hirsuta and O.c. var.
multifida) in R. lappaceus, as var. macro-
phyllus, by Kirk 1899)

W O. rigida (unc)

WE O. sp. (unnamed; aff. O. ramosa)

E R. sp.(iii) (?) (undetermined)

WE Oreostylidium subulatum

W R. ternatifolius X R. sp.(a) (unc)

WE Oursia lactea ssp. lactea

ERumex flexuosus

W Schuzelema nitens

WE S. trifoliolatum

WE Oxalis magellanica

WE Parakebe lyallii

E Scleranthus brockiei

W Plantago lanigera s.l.

W S. uniflorus (unc)

WE P. raculii

E Stackhousia minima

WE P. triandra ss

WE Stellaria decipiens (incl. S.
parviflora)

W P. uniflora

WE Urtica incisa

E Potentilla anserinoides

WE Pratia angulata agg.

- WE *Viola cunninghamii*
- WE *V. filicaulis*
- WE *V. lyallii*
- WE *Wahlenbergia albomarginata*
var. *albomarginata* (incl. *W. pygmaea* var. *laxa*, *W. brockii*, & *W. simpsonii*)
- E *W. rupestris* (unc)

No. of indigenous spp.: 449.

Doubtful and erroneous records

- Acaena glabra* (Mason 1944 and 1949)
- Chionochloa conspicua* var. *cunninghamii* (Simpson 1969) [= *C. conspicua* ssp. *conspicua*]
- Poa cochayneana* (Mason 1949)
- Rumex neglectus* (Mason 1944) [= *R. flexuosus*]
- Pimelea sericeo-villosa* (Burrows 1962) [= *P. sp.* (unnamed)]

ADVENTIVE SPECIES

(D) - seen only in vicinity of Cobb Dam

DICOT TREES AND SHRUBS

- E *Berberis glauca* (D) (unc)
- E *Buddleja davidii* (D)
- E *Cotoneaster* sp. (D) (unc)
- E *Cytisus scoparius* (D)
- E *Pteris* sp. (D) (unc)
- E *Ribes uva-ursi* (unc)
- E *Rubus fruticosus* agg. (D) (unc)
- E *Salix fragilis* (D) (unc)
- E *Ulex europaeus* (D) (unc)

GRASSES

- WE *Agrostis capillaris*
- E *Aira caryophylla*
- WE *Anthoxanthum odoratum*
- E *Arrhenatherum elatius*
- WE *Dactylis glomerata*
- E *Elymus rectisetus* s.s. (D) (unc)
- WE *Festuca arundinacea*

- WE *F. nigrescens*
- E *F. tenuifolia*
- WE *Holcus lanatus*
- E *Lolium perenne* (unc)
- E *Phleum pratense*
- WE *Pea annua*
- WE *P. pratensis*
- E *Vulpia bromoides*

SEDGES

- WE *Carex ovalis*

RUSHES

- WE *Juncus articulatus*
- W *J. bulbosus* (unc)
- WE *J. effusus*
- WE *J. tenuis*

OTHER MONOCOTS

- E *Leucojum aestivum* (unc)

COMPOSITE HERBS

- E *Achillea millefolium*
- E *Bellis perennis* (unc)
- WE *Cirsium arvense*
- WE *C. vulgare*
- E *Crepis capillaris*
- WE *Hypochoeris radicata*
- E *Leontodon taraxacoides*
- E *Leucanthemum vulgare*
- WE *Mycelis muralis*
- E *Senecio jacobaea*
- E *Sonchus asper* (D)
- WE *Taraxacum officinale* s.l.

DICOT HERBS OTHER THAN COMPOSITES

- E *Anagallis arvensis* (D) (unc)
- E *Aquilegia vulgaris* (D) (unc)
- E *Arenaria serpyllifolia*
- E *Centaurea erythraea* (unc)
- WE *Cerastium fontanum* ssp. vulgare
- E *Digitaria purpurea*
- E *Epilobium ciliatum*
- E *Hypericum humifusum* (D)
- E *H. perforatum*
- WE *Linum catharticum*
- E *Lotus pedunculatus*
- E *Matricaria matricarioides* (D) (unc)
- E *Mentha spicata* (unc)
- E *Mimulus moschatus*
- E *Myosotis laxa* ssp. caespitosa
- E *Navaretia squarrosa* (D)
- E *Papaver* sp. (D) (unc)
- E *Parentucellia viscosa* (D) (unc)
- E *Plantago lanceolata*
- E *P. major* (unc)
- E *Polygonum arenastrum* (D) (unc)
- E *P. persicaria* (D) (unc)
- WE *Prunella vulgaris*
- WE *Ranunculus acris*
- E *R. repens*
- E *Rumex acetosella*
- E *R. obtusifolius* (unc)
- WE *Sagina procumbens*
- E *Spergularia rubra* (D)
- E *Trifolium dubium*
- WE *T. repens*
- E *Verbascum thapsus* (D)
- E *Veronica arvensis* (D) (unc)
- E *V. serpyllifolia*

No. of adventive spp.: 76.

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REFERENCES

Allan, H. H. 1961: "Flora of New Zealand". Government Printer, Wellington. Vol. 1. 1085 pp.

Burrows, C. J. 1962: Studies in Pimelea 2 - Taxonomy of some mountain species. Trans. R. Soc. N.Z. Bot. 1: 217-23.

Crookes, M. 1963: "New Zealand Ferns". Ed. 6. Whitcombe and Tombs. 408 pp.

Edgar, E. 1966: Luzula in New Zealand. N.Z. J. Bot. 4: 159-84

——— 1970: In "Flora of New Zealand" Government Printer, Wellington. Vol. 2. 354 pp.

Franklin, D. A. 1962: The Ericaceae in New Zealand (Gaultheria and Pernettya). Trans. Roy. Soc. N.Z. Bot. 1: 155-73.

Hamlin, B. G. 1959: A revision of the genus Uncinia (Cyperaceae - Caricoideae) in New Zealand. Dom. Mus. Bull. 19. 106 pp

Kirk, T. 1899: "The Students' Flora of N.Z." G. P. Wellington. 408 pp

Lloyd, D. G.; Webb, C. J. 1987: The reinstatement of Leptinella at generic rank, & the status of the 'Cotuleae' (Asteraceae, Anthemideae). N.Z. J. Bot. 25: 99-105.

Mason, R. 1944: Some notes on the Cobb V. Bull. Wellington bot. Soc.

8: 6.

——— 1949: Station records of indigenous plants. Trans. Roy. Soc. 77(5): 175-80.

Moore, L. B. 1961: In "Flora of New Zealand". Government Printer, Wellington. Vol. 1. 1085 pp.

——— 1966: Australasian Asteliads (Liliaceae). N.Z. J. Bot. 4: 201-40.

——— 1970: In "Flora of N.Z.". Govt. Printer, Wellington. Vol. 2. 354 pp.

Nordenstam, B. 1978: Opera Bot. 44: 1-84.

Nooteboom, H. P. 1978: A taxonomic revision of the Malesian and Australian species of Uncinia (Cyperaceae). Blumea 24: 511-20.

Oliver, W. R. B. 1935: The genus Coptosma. Bishop's Mus. Bull. 132. 207 pp.

Pritchard, G.G. 1957: Experimental taxonomic studies on species of
Cardamine Linn. in New Zealand. Trans Roy Soc NZ 85: 75-89.

Simpson, N.C. 1969: Cobb Valley - Easter 1969. Bull. Wellington bot. Soc.
36: 4-4.

Wardle, P. 1968: The taxonomy and distribution of the stipulate
species of Pseudopanax in New Zealand. N.Z. J. Bot. 6: 226-36.

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

Wardle, P. 1969: Biogeographic flora of New Zealand. Phyllocladus alpinus
Hook. f. (Podocarpaceae); mountain totara, cedar pine. N.Z. journal
of botany 7: 76-95.

