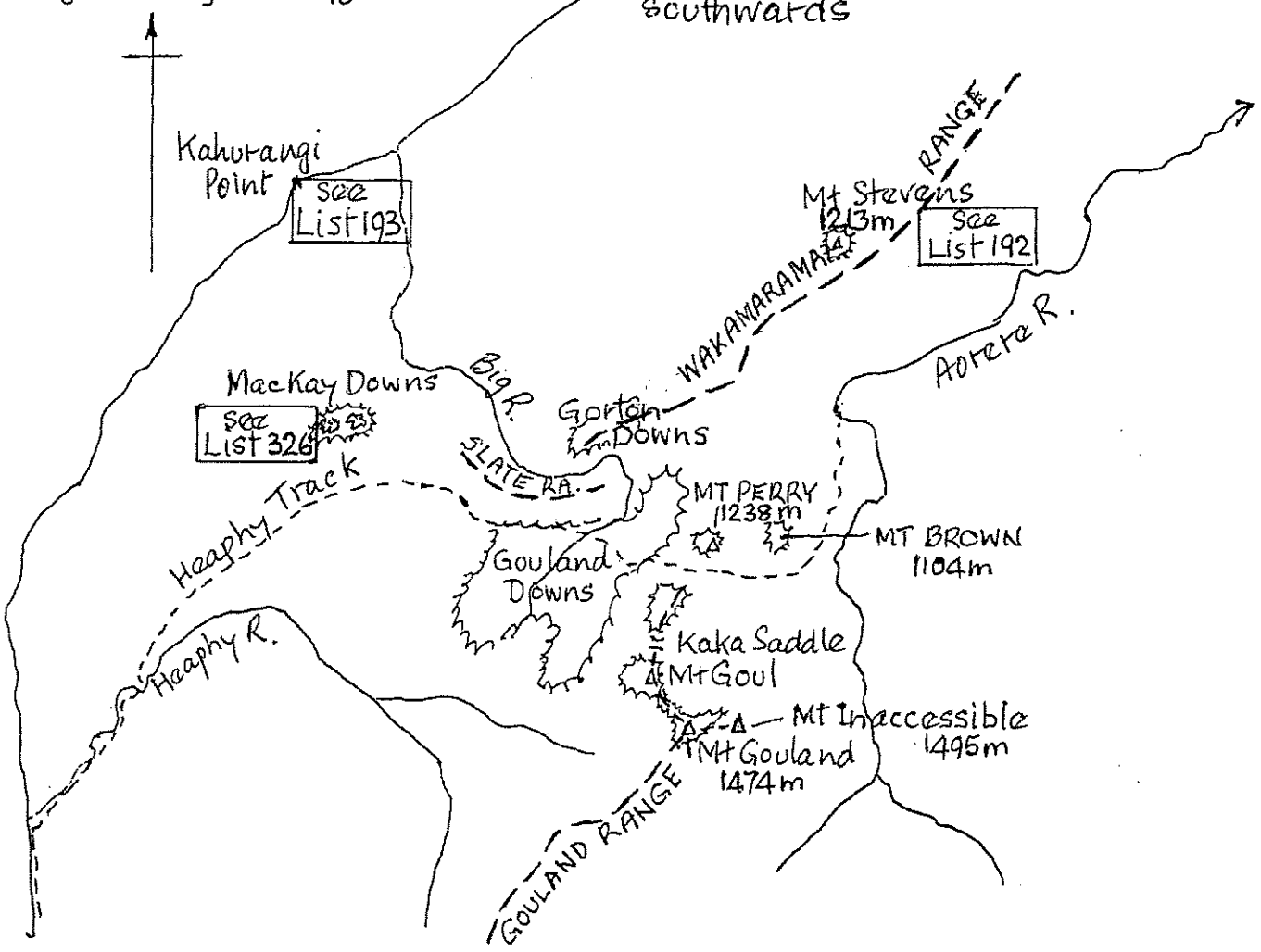
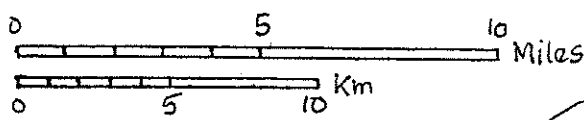


HIGHER PLANTS (PSILOPSIDS, LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) IN VICINITY OF GOULAND DOWNS, GORTON DOWNS, MT GOUL<sup>1</sup>, MT PERRY<sup>2</sup>, AND MT BROWN<sup>3</sup>, N.W. NELSON, 550-1420 M (1800-4625 FT)

- <sup>1</sup> Grid ref. NZMS 260 M26 573300
- <sup>2</sup> Grid ref. " " " 591349 Nominal mid-point (Dmc) ✓
- <sup>3</sup> Grid ref. " " " 618345

A.P. Druce and M.J.A. Simpson, Botany Division, D.S.I.R., Oct. 1974  
 (revised July 1975, July 1976, May 1977, June 1978, June 1979,  
 June 1980, Nov. 1980, June 1982, Sept. 1982, June 1983, July 1983,  
 June 1984, May 1985, July 1985, Oct. 1986, May 1987, June 1988, Nov. 1988,  
 Sept. 1990, July 1991, August 1992, March 1993, June 1993)  
 (Originally published in Bull. Wellington Bot. Soc. 38: 6-24, 1974)  
 Based on visits Jan. 1969, Jan. 1963, and March 1992

Rocks: mainly sedimentary (shale, quartzite, schist, phyllite) of Middle-Lower Ordovician age; small areas of Tertiary limestone on Gouland Downs; granite from Kaka Saddle southwards



- \* - voucher specimen in CHR (Bot. Div. Herbarium, Lincoln)
- L - seen in limestone areas
- (L) - seen only in limestone areas
- (G) seen only in granite areas (Kaka Saddle - Mt Goul)
- (unc) - uncommon

## INDIGENOUS PLANTS

### GYMNOSPERM TREES AND SHRUBS

- Darydium cupressinum* (mostly below 550m, few to 600m)
- \* *Habocarpus bidwillii* L
  - \* *H. biformis*
  - H. bidwillii* X *H. biformis*
  - \* *Lagarostrobos colensoi* (unc)
  - \* *Lepidothamnus intermedius* (unc)
  - \* *L. laxifolius*
  - \* *L. intermedius* X *L. laxifolius*
  - Libocedrus bidwillii*
  - \* *Phyllocladus alpinus* s.s. L
  - P. sp. (unnamed) ("lowland" ecotype of Wardle 1969) L*
  - \* *Podocarpus acutifolius* (unc)
  - \* *P. hallii*
  - \* *P. nivalis*
  - \* *P. acutifolius* X *P. hallii* (unc)
  - \* *P. acutifolius* X *P. nivalis* (unc)
  - Prumnopitys ferruginea*

### MONOCOT TREES AND SHRUBS

- Cordyline indivisa*  
*C. banksii* X *C. indivisa* (unc)

### DICOT TREES

- Aristotelia serrata* L (unc)
- Carpodetus serratus* L
- \* *Dracophyllum townsonii* L
- \* *D. traversii* (incl. *D. pyramidale*)

### DICOT SHRUBS

- \* *Alseuosmia macrophylla*
- \* *Archeia traversii* (incl. *A. t.* var. *australis*)
- Aristotelia fruticosa* var.

\* *Elaeocarpus hookerianus*

*Fuchsia excoecata*

*Griselinia littoralis* L

\* *Metrosideros parkinsonii*

\* *M. umbellata* L

*Myrsine salicina*

\* *Nothofagus fusca* L

*N. menziesii* L

*N. solandri* var. *diffortoides*

*N. truncata* (to 650m)

\* *Olea aricaniifolia* (L) (unc)

\* *Pseudopanax colensoi* s.s. (L) (unc)

\* *P. crassifolius* L

\* *P. linearis* L

\* *P. macintyreii* (L)

\* *P. simplex* (incl. *P. s.* var. *sinclairii*)

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

\* *Quintinia serrata* (incl. *Q. acutifolia* and *Q. elliptica*) L

*Schefflera digitata*

*Weinmannia racemosa* var. *racemosa*

- \* *Brachyglottis adamsii* (G.)
- B. bidwillii* var. *viridesc* (G.)
- \* *B. rotundifolia* var. (incl. *B. buchananii* & *B. cochaynei*)
- \* *Cassinia vauvilliersii* L
  
- \* *Coprosma cheesemaii* ss.
- \* *C. ciliata* ssp. *ciliata*
- \* *C. colensoi* ss. L
- \* *C. crenulata*
- \* *C. depressa*
- \* *C. foetidissima*
- \* *C. linariifolia* (L) (unc)
- C. lucida* ss. L (unc)
- C. microcarpa*
- C. perpusilla* ssp. *perpusilla*
- \* *C. propinqua* ssp. *propinqua* L
  
- \* *C. pseudocuneata* ssp. (lvs narrower than in ssp. *pseudocuneata*) L
- \* *C. rhemnoides* (incl. *C. polymorpha*) L
- C. rugosa* ssp. *rugosa* L
- \* *C. sp. (i)* (unnamed) (*C. parviflora* var. *dumosa* sensu Allan 1961, non *C. p.* var. *dumosa* Cheeseman)
- \* *C. sp. (ii)* (unnamed; included in *C. parviflora* by Olivier, 1935, and others) (lf undersurface not minutely hairy as is usual in *C. parviflora*; drupes vs. unpigmented, occ. purplish red) L
- \* *C. sp. (iii)* (unnamed; aff. *C. intertexta*) (prostrate or lianoid shrubs)
  
- \* *C. sp. (iv)* (unnamed; aff. *C. colensoi*) (low-growing shrubs with trailing branches)
- C. cheesemaii* X *C. ciliata* (unc)
- \* *Comaria plumosa*
- \* *Cyathodes dealbata* (incl. *C. pumila*)
- \* *C. ampelifolia*
- C. sp.* (*C. juniperina* agg.) (lvs us. 4 l cm X 1 mm, up to 1.5 cm X 2.5 mm) L
- \* *Dracophyllum longifolium* var. (incl. *D. filifolium* and *D. oliveti*) L
- \* *D. palustre*
- \* *D. pronum*
- \* *D. pubescens* var. *pubescens*
  
- D. uniflorum*
- \* *D. longifolium* X *D. palustre*
- \* *Epacris alpina*
- \* *E. pauciflora* (incl. *E. p.* var. *sinclairii*) (unc)
- \* *Exocarpus bidwillii* L
- \* *Gaultheria antipoda*
- G. crassa*
- \* *G. macrostigma*
- \* *G. rupestris* (incl. *G. subcorymbosa*) L
- \* *G. sp.* (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)
- G. antipoda* X *G. rupestris* (unc)
- G. a.* X *G. macrostigma* (unc)
- G. a.* X *G. sp.* (unnamed) (unc)
- \* *G. macrostigma* X *G. rupestris* (unc)
- \* *G. macrostigma* X *G. sp.* (unnamed) (unc)
- \* *G. rupestris* X *G. sp.* (unnamed) (unc)

\* *Hebe cantaburicensis*  
\* *H. ciliolata*

\* *H. gracillima* L

*H. maerantha* var. *brachyphylla* (G)

\* *H. odora* s.s.

*H. salicifolia* var. *salicifolia*

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

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

\* *H. sp. (i)* (aff. *H. glaucophylla*) (L)

\* *H. sp. (ii)* (*Leonohebe moorea*)

\* *H. sp. (iii)* (undetermined) (unc)

*Kunzea ericoides* agg. (unc)

\* *Peraxilla tetrapetala* (unc)

\* *Pimelea gnidia* var. (unc)

\* *P.*

\* *Pittosporum anomalum* L

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

\* *Pseudopanax anomalus* L

\* *P. a.* × *P. simplex* (unc)

\* *Pseudowintera colorata*

\* *P. traversii*

### DICOT LIANES AND RELATED

#### TRAILING PLANTS

*Clematis paniculata* L (unc)

*C. sp.* (undetermined) (unc)

*Metrosideros diffusa*

\* *Muehlenbeckia australis* (unc)

*M. axillaris* (unc)

*Parsonsia sp.* (undetermined) (unc)

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

\* *R. parvus* (unc)

\* *R. schmidelioides* var. *schmidelioides* (L)

### PSILOPSIDS AND LYCOPODS

\* *Tmesipteris tannensis* (unc)

*Lycopodium australianum* (unc)

\* *L. fastigiatum*

\* *L. laterale* (incl. *L. ramulosum*)

\* *L. scariosum*

\* *L. varvini* (incl. *L. billardierei* and

*L. novae-zelandicum*) (unc)

\* *L. volubile* (unc)

### FERNS

*Adiantum cunninghamii* (unc)

\* *Leptospermum scoparium* L

\* *Leucopogon fasciculatus* var.  
(juvils not much broader than adult lvs)

\* *L. fraseri* s.s. L

\* *Malicytus sp.* (L)

*Myrsine divaricata* s.s. L

\* *M. nummularia*

*Neomyrtus pedunculata*

\* *Oleaia arborescens* L

\* *O. capillaris* (unc)

\* *O. colensoi* var. *colensoi*

*O. lacunosa* var. *lacunosa* (L) (unc)

\* *O. virgata* var. *implicita* (incl. *O. v.*  
var. *divaricata* & *O. v.* var. *laxiflora*)

*O. arborescens* × *O. capillaris* (unc)

\* *O. a.* × *O. ilicifolia* (unc)

\* *O. a.* × *O. lacunosa* (unc)

\* *Pentachondra pumila*

- Asplenium bulbiferum*  
*A. flaccidum*  
 \* *A. lyallii* (L)  
 \* *A. oblongifolium* (L)  
*A. terrestre* ssp. *terrestre* (L) (unc)  
*Blechnum chambersii* (L)  
*B. colensoi* (L) (unc)  
 \* *B. discolor*  
 \* *B. fluviatile* agg. L  
 \* *B. membranaceum* (L)  
 \* *B. penna-marina* L  
*B. procerum*  
*B. vulcanicum*  
*B. sp(i)* (unnamed) (common lowland sp.; lower pinnae reduced in length)  
 \* *B. sp. (ii)* (unnamed) (mountain sp.; lower pinnae not reduced) ("The Dunedin-Cass Variety" of Crookes 1963)  
*B. procerum* × *B. sp(i)*  
*Ctenopteris heterophylla* (L) (unc)  
*Cyathea colensoi*  
*C. smithii*  
 \* *Cystopteris tasmanica* (L)  
*Dicksonia lanata* s.s.  
*Gleichenia dicarpa*  
 \* *Grammitis billardieri* L  
*G. magellanica* ssp. *nothofageti*  
*G. patagonica* (L)  
*G. poeppigiana*  
*Histiopteris incisa*  
 \* *Hymenophyllum armstrongii*  
*H. demissum* L  
*H. flabellatum* L  
 \* *H. lyallii* (unc)  
 \* *H. malingii*  
 \* *H. multifidum* L
- \* *H. pettatum*  
 \* *H. pulcherrimum* L (unc)  
*H. rarum*  
 \* *H. rufescens* L  
*H. scabrum*  
*H. villosum*  
*Hypolepis millefolium* (L) (unc)  
 \* *H. tufo barbata*  
*Leptopteris superba*  
 \* *Lindsaea trichomanoides*  
*Ophioglossum coriaceum* agg.  
 \* *Paesia scaberula*  
*Phymatosorus pustulatos*  
*Pneumatopteris pennigeta* (L) (unc)  
*Polystichum vestitum* L  
*Pteridium esculentum*  
*Pyrosia elegnifolia*  
 \* *Schizaea australis*  
 \* *Stichetus cunninghamii*  
*Trichomanes raniforme* (L)
- ORCHIDS**
- \* *Acianthus viridis*  
 \* *Adenochilus gracilis* (unc)  
 \* *Aporostylis bifolia*  
 \* *Caladenia carnea* agg (unc)  
 \* *C. lyallii* (unc)  
 \* *Chiloglottis cornuta*  
 \* *Corybas rivularis* s.s. (L)  
*C. trilobus* s.s. L  
 \* *Dendrobium cunninghamii*  
 \* *Egernia autumnalis*  
*E. mucronata* s.s. (unc)  
*Gastrodia sesamoides* (L) (unc)  
 \* *Lyperanthus antarcticus*

- \* *Microtis oligantha* L (unc)
- \* *Prasophyllum colensoi* L
- \* *Pterostylis australis* L
- \* *P. banksii*
- \* *P. itsoniana* (L) (unc)
- \* *P. sp. (unnamed; aff. P. montana)*
- \* *P. venosa*
- \* *Thelymitra cyanea*
- \* *T. formosa* (unc)
- \* *T. hatchii* (unc)
- \* *T. longifolia* agg. (unc)
- \* *T. pulchella*

### GRASSES

- Agrostis dyeri* ass.
- \* *A. pallascens*
- \* *A. personata*
- \* *Chionochoa australis*
- \* *C. cheesemani*
- \* *C. conspicua* ssp. *conspicua* L
- \* *C. pallens* ssp. *pallens*
- \* *C. rubra* ssp. *oculta*
- \* *C. sp. (unnamed) (C. flavescens*  
auct. South Island, non *C. flavescens* Zotov) (G)
- \* *C. australis* x *C. rubra* (unc)
- \* *C. conspicua* x *C. rubra* (unc)
- \* *C. pallens* x *C. rubra*
- \* *Deschampsia tenella* L
- \* *Doyeuxia aucklandica*
- D. avenoides* (incl. *D. a. var. brachyantha*)
- \* *Festuca* sp. (cf. *F. matthewsii*)
- \* *Hierochloa novae-zelandiae*

- \* *Lachnagrostis* sp. (unnamed)  
in *L. filiformis*, as var. *semiglabra*,  
by Zotov 1965) (L)
- \* *Microlaena avenacea* L

- \* *M. colensoi* s.s.
- M. stipoides*
- \* *M. thomsonii*
- \* *Poa breviglumis*
- \* *P. colensoi* L
- \* *P. imbecilla* (L) (unc)
- \* *P. kirkii* (G)
- \* *P. maia*
- \* *P. pusilla* (unc)
- \* *Rytidosperma buchananii*
- \* *R. gracile* L
- \* *R. nigricans*
- \* *R. setifolium*
- \* *Simplicia buchananii* (L) (unc)
- \* *Trisetum* sp. (unnamed) (plants  
slender, lf sheath usually glabrous;  
lf blade up to 2.5 mm wide) (L)

### SEDGES

- \* *Baumea teretifolia* (unc)
- \* *Carex aciculatis*
- C. breviculmis* (unc)
- \* *C. capillacea* (unc)
- \* *C. carsei*
- \* *C. cockayneana*
- \* *C. dallii*
- \* *C. dissita* s.s.
- \* *C. echinata* var. (*C. stellulata*  
var. *australis*)
- \* *C. gaudichaudiana*
- \* *C. lessoniana* L
- \* *C. libera*
- \* *C. sinclairii*
- \* *C. sp. (l)* (unnamed; aff. *C. dissita*)  
(plants much smaller) L (unc)

- \* *C. sp. (ii) (unnamed) (discussed by Edgar 1970, p. 284) (L)*
- Carpha alpina s.s.*
- C. sp. (unnamed; aff. C. alpina) (plants taller and more slender than in C. alpina; lvs narrower with tips acute rather than obtuse)*
- Eleocharis acuta*
- \* *E. gracilis*
- \* *Gahnia pauciflora*
- \* *G. procera*
- G. rigida (unc)*
- \* *Isolepis aucklandica*
- \* *I. caliginis*
- \* *I. habra L*
- \* *I. reticulatis (unc)*
- \* *I. subtilissima*
- \* *Lepidosperma australe*
- \* *Oreobolus impar*
- \* *O. pectinatus*
- \* *O. strictus*
- \* *Schoenus maschalinus (unc)*
- \* *S. pauciflorus s.s. ("slender form" of Edgar 1970, p. 194)*
- \* *Ucinia astonii*
- \* *U. clavata*
- \* *U. distans*
- U. divaricata*
- \* *U. egmontiana*
- \* *U. filiformis*
- \* *U. fuscovaginata var. (plants glaucous L)*
- \* *U. gracilentata*
- \* *U. involuta (G)*
- \* *U. rubra L*
- \* *U. rupestris (incl. U. angustifolia)*
- \* *U. silvestris (incl. U. affinis)*
- \* *U. uncinata L*

\* *U. zotovii*

\* *U. sp. (unnamed; aff. U. nervosa)*  
(more slender than *U. nervosa*; see Edgar 1970, p. 231)

### RUSHES

- \* *Centrolepis ciliata*
- \* *Empodisma minus*
- \* *Gaimardia setacea*
- \* *Juncus antarcticus*
- J. fragiflorus*
- \* *J. novae-zelandiae L*
- \* *J. planifolius*
- J. pusillus (unc)*
- \* *Luzula colensoi*
- \* *L. migrata*
- L. picta s.s.*
- \* *L. sp. (unnamed; included in L. picta, as var. limosa, by Edgar 1966) L*
- L. colensoi X L. migrata*

### MONOCOT HERBS OTHER THAN

#### ORCHIDS, GRASSES, SEDGES, RUSHES

- Arthropodium candidum (L)*
- A. fragrans*
- A. graminea*
- \* *A. lineatis var. lineatis*
- \* *A. nervosa s.s.*
- \* *A. nivicola s.s.*
- \* *A. skottsbergii*
- \* *A. subulata*
- A. trivervia (to 650m)*
- \* *A. sp. (i) (unnamed; included in A. nivicola, as var. moriceae, by Mootz 1966)*

\* *A. sp.* (ii) (unnamed; aff. *A. nervosa*) (lvs not conspicuously white adaxially as in *A. nervosa*) L  
 \* *Bulbinella talbotii*  
*Dianella nigra*

\* *Harporhizon novae-zelandiae*  
*Libertia ixioides*

\* *L. peregrinans*

\* *L. pulchella*

\* *Luzuriaga parviflora*  
*Phormium cookianum* L

\* *Potamogeton suboblongus* (unc)

\* *Triglochin striata* (L) (unc)

COMPOSITE HERBS

\* *Abrotanella caespitosa*

\* *A. linearis* s.s.

\* *Anaphalis keriansis* s.s.

\* *A. sp.* (*Helichrysum bellidioides* s.s.)

\* *A. keriansis* X *A. sp.* (unc)

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

\* *Brachyscome radicata* (unc)

\* *Celmisia armstrongii*

\* *C. dallii*

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

*C. laevisifolia* (G)

\* *C. montoi* ssp. (*C. coriacea* var. *laevisifolia*)

\* *C. parva*

\* *C. pettiae* (G)

*C. sessiliflora*

\* *C. similis*

\* *C. spectabilis* ssp. (lvs narrower than in ssp. *spectabilis*)

\* *C. sp.* (unnamed; aff. *C. gracilentata*) (plants tufted; lvs linear to linear-lanceolate; upper surface & margin thinly covered in tomentum; lower surface glabrous except for midrib)

*C. armstrongii* X *C. dallii* (Brockie 1957)

*C. a.* X *C. parva* (unc)

\* *C. a.* X *C. similis* (unc)

*C. a.* X *C. spectabilis* (unc)

*C. dallii* X *C. parva* (Peterson 1968)

*C. laevisifolia* X *C. spectabilis* (unc)

\* *Craspedia minor* var. *minor* (incl.

*C. major*) (L) (unc)

\* *C. sp.* (i) (unnamed) (summer-green bog plants; lvs green, delicate; blade narrowing abruptly to slender petiole; both surfaces densely clad in long multicellular non-glandular hairs, with or without cottony tips, overtopping short glandular hairs; if margin not white or very faintly so with a thin band of hairs; fls white)

\* *C. sp.* (ii) (unnamed) (evergreen cliff-top plants; lvs green, firm and fleshy; blade narrowing gradually to petiole; both surfaces densely clad in long multicellular non-glandular hairs, greatly overtopping minute glandular hairs; if margin faintly white with a thin band of hairs; fls white) (L)

\* *Gnaphalium delicatum* (unc)

\* *G. limosum* s.s.

\* *G. ruahenicum*

*G. sp.* (unnamed; aff. *G. paludosum*) (lvs linear, green on upper surface)

*Helichrysum filicaule* (unc)

\* *Lagenifera montana* (unc)

\* *L. petiolata* L

*L. pumila* L

*L. strangulata*



- \* *Leptinella* sp. (unnamed; included in *L. squovalida*, as ssp. *mediana*, by Lloyd & Webb, 1987) L
- \* *Microseris scapigera* var.  
*Pseudognaphalium* sp. (unnamed; aff. *P. luteocalbum*) (lvs mostly linear-spathulate to linear, acute) L
- \* *Raoulia glabra* (unc)
- \* *R. grandiflora* var. *grandiflora*  
*R. eximia* var. (*R. tubra*)  
*R. tenuicaulis* (incl. *R. t.* var. *dimorpha* and *R. t.* var. *pusilla*)
- \* *Senecio glaucophyllus* ssp. *glaucophyllus* (L) (unc)  
*S. minimus*
- \* *S. waitavensis* (L)  
*Sonchus kirkii* (L) (unc)
- \* *C. sp. (v)* (unnamed) (lvs mostly simple, occ. with up to pairs of pinnæ; blade ± reniform) (L)
- \* *Chionohebe pulvinaris* (G)
- \* *Colobanthus affinis* (L)
- \* *C. apetalus* (incl. *C. a.* var. *alpinus*)
- \* *C. canaliculatus* (G)
- \* *Coprosma talbrockiei* (unc)
- \* *Donatia novae-zelandiae*  
*Drosera arcturi*
- \* *D. spathulata*
- \* *D. stenopetala*  
*Epilobium alsinoides* s.s.
- \* *E. brunnescens* s.s.
- \* *F. cockayneanum*
- \* *E. gracilipes* (L)

#### DICOT HERBS OTHER THAN COMPOSITES

- \* *Acaena ansetinifolia* L
- Aciphylla colensoi* var. *colensoi* (G) (unc)
- \* *A. hookeri* (unc)
- \* *A. polita* var.
- \* *Actinotis novae-zelandiae*
- \* *Anisotome aromatica*
- \* *A. deltoidea*
- \* *A. haastii* (unc)
- \* *A. sp.* (unnamed; included in *A. imbricata*, as var. *prostrata*, by Dawson 1961)
- Cardamine sp. (i)* ("Long Style" of Pritchard 1957) (L)
- \* *C. sp. (ii)* ("Narrow Petal" of Pritchard 1957)
- \* *C. sp. (iii)* ("Glossy Leaf" of Pritchard 1957)
- \* *C. sp. (iv)* ("Tussock Race" of Pritchard 1957)
- \* *E. insulare*
- \* *E. linnaeoides* L
- \* *E. natteroides*
- \* *E. parnitens*
- \* *E. pubens* L (unc)
- \* *E. rotundifolium* L
- Euphrasia chaezemanii* (G)
- \* *E. townsonii* s.s.
- \* *E. sp.* (unnamed; aff. *E. laingii*)
- \* *Forstera mackayi*
- \* *F. sedifolia* s.s. (G)
- \* *F. tenella*
- \* *Galium patpusillum* s.s.  
*G. trilobum* (L)
- \* *Gentiana gracilifolia* (incl. *G. vernicosa*)
- \* *G. montana* (incl. *G. m.* var. *stolonifera*, *G. patula*, and *G. bellidifolia* var. *pulchella*)

- \* *G. spenceri* sp. (unnamed; aff. *G. microphyllum*)
- \* *Geranium microphyllum*
- \* *Geum leiospermum* (unc)
- \* *G. uniflorum* (G)
- \* *Gingidia baxterae* (L) (unc)
- \* *G. anysii* (L) (unc)
- Gonocarpus aggregatus*
- G. micranthus* ssp. *micranthus* L
- \* *Gratiola nana*
- \* *Gunnera dentata* var. *dentata* (unc)
- \* *G. monoica*
  
- \* *G. prorepens* L
- \* *Hydrocotyle microphylla*
- \* *H. moschata* (L)
- \* *H. sulcata*
- \* *Hypericum japonicum* agg. (L) (unc)
- \* *Jovellana repens*
- \* *Kelleria dieffenbachii*
- \* *K. laxa*
- \* *K. multiflora*
- \* *K. tessellata*
- \* *Liparophyllum gunnii*
- \* *Mentha cunninghamii* L
- Mittasacme montana* (Given 1981)
- \* *M. novae-zelandiae*
- Montia fontana* s.s. (unc)
  
- Myosotis forsteri* (L) (unc)
- \* *M. lyallii* (incl. *M. l.* var. *townsonii* and *M. elderti*) (G)
- \* *M. venosa* (L) (unc)
  
- \* *M. sp.* (unnamed; included in *M. pygmaea*, as var. *drucei*, by Moore 1961)
- \* *Myriophyllum pedunculatum* ssp. n. 3.
- \* *Neopaxia* sp. (incl. *Montia calycina* & *Claytonia australasica* var. *biflora*) (G)
- \* *Nertera balfouriana*
- N. ciliata*
- \* *N. depressa* (incl. *N. cunninghamii*) L
- \* *N. scapanioides*
- \* *N. setulosa* (L) (unc)
- \* *N. sp.* (unnamed; aff. *N. dichondrifolia*) (hrs present on both surfaces of lf, straight, not hooked as in *N. dichondrifolia*) L
- \* *Oreomyrrhis colensoi* s.s. (incl. *O. c.* var. *hispida* and *O. c.* var. *multifida*) L
- \* *Oreostylidium subulatum*
- \* *Ourisia goulandiana*
- \* *O. macrocarpa* ssp. *calycina*
- \* *O. modesta* (L) (unc)
- \* *O. simpsonii*
- \* *O. s. X O. sp.*
- Oxalis magellanica* L
- \* *O. sp.* (undetermined)
- \* *Parahebe lyallii*
- \* *Phyllachne colensoi* var.
- \* *Plantago novae-zelandiae* agg.
- \* *P. taoulii* L
- \* *P. uniflora*
- Pratia angulata* agg. L
- Psychrophila novae-zelandiae*
- \* *Renunculus foliosus* L

\* *R. membranifolius* (L)

\* *R. verticillatus* (unc)

\* *Schizilema nitens*

\* *S. trifoliolatum* (L)

\* *Scleranthus brockiei* (L) (unc)

\* *Stellaria decipiens* (incl. *S. parviflora*) L

*Urtica incisa* (L)

*Vida cunninghamii*

\* *V. filicaulis* L

\* *V. lyallii* L

\* *Wahlenbergia albomarginata* var. *albomarginata* (incl. *W. pygmaea* var. *laxa*, *W. brockiei* and *W. simpsonii*) (unc)

No. of indigenous spp. : 467.

### ADVENTIVE PLANTS

(T) - seen only on tracks and near huts

#### DICOT SHRUBS

*Ulex europaeus*

*Poa annua* (T)

*P. pratensis*

#### GRASSES

*Agrostis capillaris*

*A. stolonifera*

*Anthoxanthum odoratum*

*Dactylis glomerata* (T)

*Festuca arundinacea* s.l. (T)

*F. nigrescens* (T)

*Holcus lanatus*

*Lolium perenne* (T)

#### SEDGES

*Carex ovalis*

*Isolepis setacea* (T) (unc)

#### RUSHES

*Juncus articulatus*

*J. bufonius* (T)

*J. effusus*

*J. tenuis* (T)

\* *Luzula congesta* (T) (unc)

### COMPOSITE HERBS

*Bellis perennis* (L)  
*Hypochoeris radicata*  
*Leontodon taraxacoides*  
*Mycelis muralis*  
*Taraxacum officinale* s.l.

*Lotus pedunculatus*  
*Plantago lanceolata* (L)  
*Prunella vulgaris* (L)  
*Sagina procumbens*  
*Stellaria media* (L)  
*Trifolium dubium*  
*T. repens*

### DICOT HERBS OTHER THAN COMPOSITES

*Cerastium fontanum* ssp. *vulgare*

\**Veronica serpyllifolia*

No. of adventive species : 32.

### Doubtful and erroneous records

#### Record

#### Probable identity of plants on which records based

*Anisotome flexuosa* (Peterson 1968, *Anisotome aromatica*  
as *A. aromatica* var. *dissecta*)

*Astelia petrici* (form) (Brockie 1957) *Astelia skottsbergii*

*Baumea rubiginosa* (Brockie 1957, *Baumea teretifolia*  
as *Cladium glomeratum*)

*Carex unciifolia* (Druce and Simpson, 1974) *Carex libera*

*Celmisia alpina* (Peterson 1968)

*C. lanceolata* (Peterson 1968) *Celmisia armstrongii*

*C. armstrongii* x *C. laticeifolia* (Brockie 1957) *C. armstrongii* x *C. similis*

*Chionochoa juncea* (Druce and Simpson, 1974)

*Chionochoa australis* x *C. tubra*

*C. rigida* (Brockie 1957, as *Danthonia rigida*)

*C. tubra*

Coprosma colensoi x C. foetidissima (Druce and Simpson, 1974)	Coprosma colensoi
Dracophyllum rosmarinifolium (Pettersen 1968)	Dracophyllum uniflorum
D. densum x D. filifolium x D. pub- escens (Brockie 1957)	
Epilobium glabellum (Pettersen 1968)	
Euphrasia monroi (Druce and Simpson, 1974)	Euphrasia sp. (unnamed)
Gaultheria depressa (Pettersen 1968)	Gaultheria sp. (unnamed)
Gnaphalium sp. (c) (Druce and Simpson, 1974)	Anaphalis keriaensis
Hebe albicans (Druce & Simpson, 1974)	Hebe sp. (aff. H. glaucophylla)
H. macrocarpa (Pettersen 1968)	
H. salicifolia x H. traversii (Druce and Simpson, 1974)	Hebe gracillima
H. traversii (Druce and Simpson, 1974)	H. gracillima
Lagenifera cuneata (Druce and Simpson, 1974)	Lagenifera montana
Oreobolus sp. (unnamed) (Brockie, 1957)	Oreobolus impar
Plantago triantha (Brockie 1957, as P. brownii)	Plantago novae-zelandiae
Pterostylis sp. (cf. P. areolata) (Druce and Simpson, 1974)	

### REFERENCES

- Atlan, H.H. 1961: "Flora of New Zealand." Government Printer, Wellington.  
Vol. 1. 1085 pp.
- Brockie, W.B. 1957: Goulard Downs. Bull. Wellington Bot. Soc. 29: 4-6.
- Crookes, M. 1963: "New Zealand Ferns." Whitcombe Tombs. 408 pp.
- Dawson, J.W. 1961: A revision of the genus Anisotome (Umbelliferae,  
Univ. Calif. Publ. Bot. 33: 1-98.

14  
Druce, A.P.; Simpson, M.J.A. 1974: Flora of Goulard Downs, Mt Goul and  
Mt Perry, N.W. Nelson. Bull. Wellington Bot. Soc. 38: 6-24.

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. R. Soc. N.Z. Bot. 1: 155-73.

Given, D.R. 1981: "Rare and Endangered Plants of New Zealand". A.H.  
and A.W. Reed. 154 pp.

Kirk, T. 1899: "The Students' Flora of New Zealand". Government  
Printer, Wellington. 408 pp.

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

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: 201-70.

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

Oliver, W.R.B. 1935. The genus Coprosma. Bull. Bishop Mus. Honolulu  
132. 207 pp.

Peterson, J. and G. 1968: The Heaphy Track, February 1963: Colling-  
wood to Perry's Pass. Bull. Wellington Bot. Soc. 35: 23-8.

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

Simpson, G.: 1945: Notes on some New Zealand plants and descriptions of  
new species - A. Trans. R. Soc. N.Z. 75: 187-202.

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

——— 1969: Biological flora of New Zealand. Phyllocladus alpinus  
Hook.f. (Podocarpaceae); mountain totara, celery pine. N.Z. J. Bot. 7: 76-95.

Zotov, V.D. 1965: Grasses of the subantarctic islands of the New  
Zealand region. Records of the Dominion Museum, Wellington 5:  
101-146.