

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS,  
FLOWERING PLANTS) OF MATIRI RA.<sup>1</sup>, PIKE PK.<sup>2</sup> AND GARIBALDI  
RIDGE<sup>3</sup> AREAS OF TERTIARY CALCAREOUS ROCKS<sup>†</sup>, N.W. NELSON

→ M28 563 737

Alt. covered: <sup>1</sup>760-1590 m; <sup>2</sup>1160-1520 m; <sup>3</sup>1100-1500 m

A.P. Druce, Botany Division, D.S.I.R., 1979  
(revised 1980, 1981, 1982, 1983, 1984, 1986, June 1988, Oct. 1988,  
Sept. 1990, June 1991, April 1992, March 1993)

Based on visits:

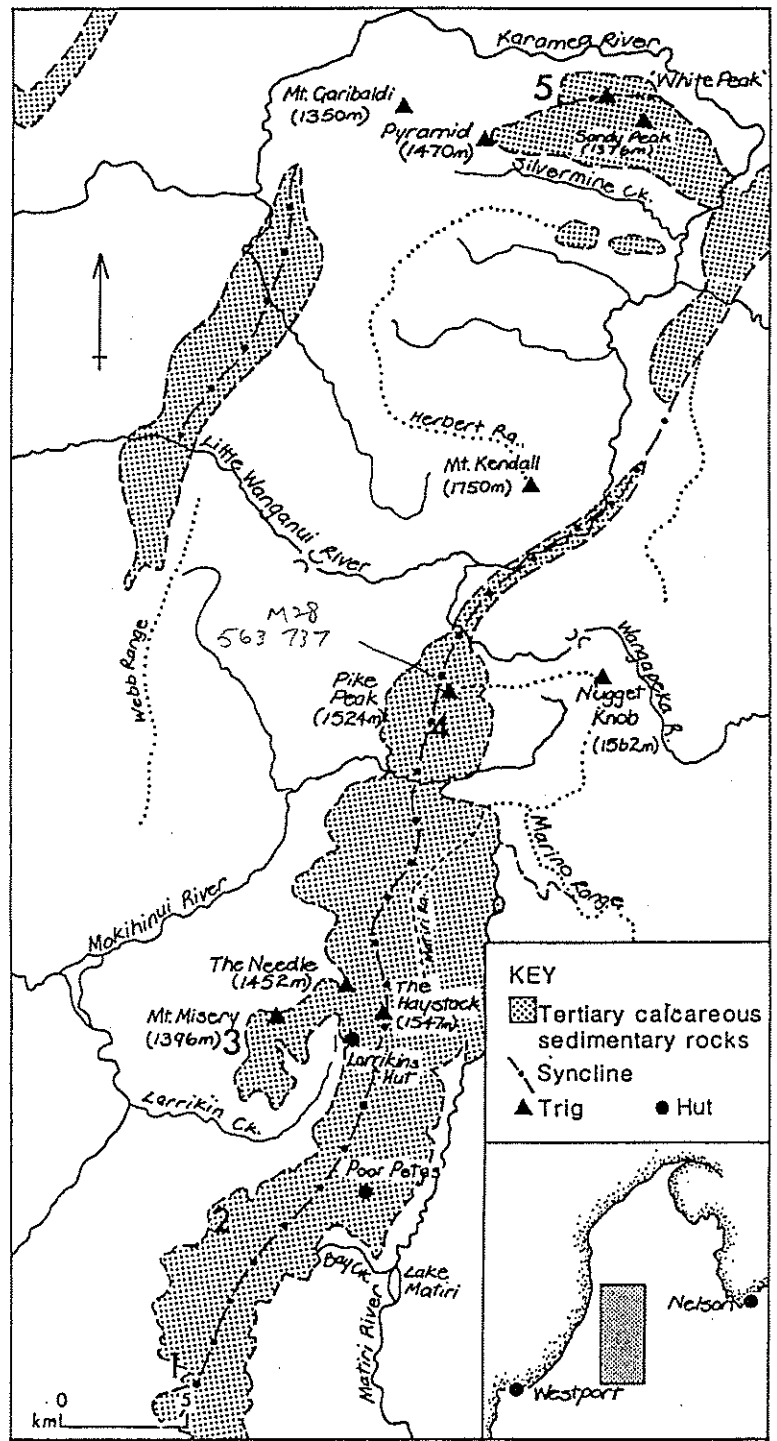
- May 1977 (Matiri Ra.)
- Feb. 1979 (Matiri Ra.)
- March 1980 (Garibaldi Ridge)
- March 1981 (Matiri Ra.)
- Feb. 1982 (Pike Pk)
- Jan. 1988 (Matiri Ra.)

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(Druce, Williams, & Haine, 1987)

No. of indigenous species on  
Matiri Ra.: 435  
Pike Pk: 234  
Garibaldi Ridge: 331

Total no. of species: 494  
No. of species common  
to all three areas: 200

† calcareous mudstone siltstone,  
and sandstone; limestone



Notes on the list

If the name used is different from that in the standard floras (Allan 1961; Moore & Edgar 1970; Cheeseman 1925 - grasses only) the previous name is added in square brackets.

Unless otherwise indicated plants are common or abundant.

Abbreviations and signs:

- aff.: affinities with
- agg.: aggregate, comprising more than one species
- G: found in Garibaldi area of calcareous rocks
- incl: include (in concept of taxon)
- M: found in Matiri area of calcareous rocks
- P: found in Pike Peak area of calcareous rocks
- s.l.: *sensu lato*, in a broad sense
- s.s.: *sensu stricto*, in a narrow sense, excluding species other than the original in an aggregate
- unc: uncommon or local

INDIGENOUS PLANTS (493 SPECIES)

GYMNOSPERM TREES AND SHRUBS

- Halocarpus bidwillii* (M) (CHR 286627) [*Dacrydium bidwillii*]
- H. bififormis* (M, unc G) [*Dacrydium bififorme*]
- Lepidothamnus intermedius* (unc M) (CHR 366039) [*Dacrydium intermedium*]
- L. laxifolius* (M, P, G) (CHR 369944) [*Dacrydium laxifolium*]
- L. intermedius* × *L. laxifolius* (unc M)
- Libocedrus bidwillii* (M, unc G)
- Phyllocladus alpinus* (M, G)
- Podocarpus acutifolius* (M-Black V.)
- P. hallii* (M)
- P. nivalis* (unc M, G)
- P. hallii* × *P. nivalis* (unc M)

agg.

DICOTYLEDONOUS TREES AND SHRUBS

- Archeria traversii* s.l. (incl. *A. t.* var. *australis*) (M, P, G) (CHR 369955)
- Aristotelia fruticosa* var. (a) (M, G) (CHR 286640)
- A. serrata* (unc M)
- A. fruticosa* × *A. serrata* (unc M) (CHR 286639)
- Brachyglottis bidwillii* var. *viridis* (G) [*Senecio bidwillii* var. *viridis*]
- B. greyi* (incl. *B. laxifolia*) (M) (CHR 286626, 286657, 355156) [*Senecio greyi*]
- B. hectorii* (unc M, unc G) (CHR 355153, 358488) [*Senecio hectorii*]
- B. rotundifolia* var. (a) (incl. *B. buchananii* and *B. cockaynei*) (unc M, unc G) (CHR 355167) [*Senecio bennettii*]
- B. bidwillii* × *B. rotundifolia* (unc G)
- Carpodetus serratus* (unc M)
- Cassinia yauvillei* s.s. (M, G) (CHR 355103)
- Coprosma atropurpurea* (M, G) (CHR 326081) [*C. petrici* var. *atropurpurea*]
- C. cheesemanii* s.s. (M, P, G) (CHR 286672, 326086)
- C. ciliata* (M, P, G) (CHR 326085, 355116)
- C. colensoi* s.l. (incl. *C. banksii*) (M, P, unc G)
- C. crenulata* (unc M-The Needle, G) (CHR 366102)
- C. depressa* (M, P, G) (CHR 326080, 389605)
- C. foetidissima* (M, P, G) (CHR 369957)
- C. linariifolia* (unc M) (CHR 366103)
- C. perpusilla* ssp. *perpusilla* (M, P, G) [*C. pumila*]
- C. propinqua* ssp. *propinqua* s.l. (incl. *C. propinqua* var. *latruncula*) (M, unc P, G) (CHR 326078)

var. (a)

ssp. ciliata  
s.s.

- C. ~~pseudocuneata~~ s.s. (M, P, G) /
- C. ~~rhamnoides~~ ~~ssp. rhamnoides~~ (incl. C. polymorpha) (unc M, unc G) (CHR 366104)
- C. rigida (unc M-L. Jeanette)
- C. rugosa ssp. rugosa (M, P, G) (CHR 389609)
- C. serrulata (M, G) (CHR 326082, 326089)
- C. sp. (a) (M) (described as C. parviflora var. dumosa by Cheeseman 1906, non C. parviflora var. dumosa sensu Allan 1961; lf undersurface not minutely hairy as is usual in C. parviflora; drupes usually unpigmented, occasionally purplish red) [C. parviflora in part]
- C. sp. (b) (M, G) (CHR 326087-8, 358550) [C. parviflora var. dumosa sensu Allan 1961]
- C. sp. (c) (unc M) (aff. C. intertexta; prostrate or lianoid shrubs) (CHR 326083-4)
- C. sp. (d) (unc P, unc G) (aff. C. pseudocuneata; low-growing shrubs with small thick arcuate lvs) (CHR 358549) [C. pseudocuneata in part]
- C. sp. (e) (unc G) (aff. C. colensoi; low-growing shrubs with trailing branches) (CHR 358551)
- C. cheesemanii × C. ciliata (unc M)
- C. propinqua × C. robusta (unc M)
- Coriaria plumosa (M, P, unc G) (CHR 355208)
- C. sarmentosa (M, unc P, unc G)
- C. plumosa × C. sarmentosa (unc M, unc G) (CHR 366069)
- Cyathodes dealbata (M, P, G) [C. pumila]
- C. empetrifolia (M, P, G) (CHR 366032) and
- Dracophyllum longifolium var. (a) (incl. D. filifolium, D. oliveri) (M, P, G) (CHR 355214)
- D. palustre (M) (CHR 366174)
- D. politum s.l. (incl. D. densum) (unc G)
- D. pubescens var. pubescens (G) (CHR 358540)
- D. traversii s.l. (incl. D. pyramidale) (M, P, G)
- D. uniflorum var. uniflorum (unc M, P, G) (CHR 358562-5, 366173, 366177)
- D. sp. (a) (unc M-Mt Misery and The Needle) (aff. D. kirkii; low-growing shrubs; branches often rooting; lf blade up to 2 mm wide near the sheath, slightly glaucous, very minutely scabrid; lf margins minutely serrulate; infl. of few-flowered racemes) (CHR 366162) [D. kirkii in part]
- D. longifolium × D. palustre (M)
- D. longifolium × D. uniflorum (unc M) (CHR 355215-6)
- Elaeocarpus hookerianus (unc M)
- Fuchsia excorticata (unc M)
- Gaultheria antipoda (M)
- G. crassa (G)
- G. depressa s.s. (M, P, G) (CHR 369932)
- G. rupestris s.l. (incl. G. subcorymbosa) (unc G)
- G. sp. (a) (M, P, G) (described as G. depressa var. novae-zelandiae by Franklin 1962) (CHR 369933)
- Griselinia littoralis (M, P, G)
- Itebe albicans var. albicans (G) (CHR 358523)
- H. canterburiensis (M, P, G) (CHR 366161)
- H. gracillima (M, unc G) (CHR 286621, 355100)
- H. haastii var. (a) (M, P, G) (aff. var. humilis; see Moore 1961, p. 940) (CHR 358530)
- H. macrantha var. brachyphylla (CHR 355250, 358531)
- H. odora s.s. (M) (CHR 286623, 355082)
- H. pauciramosa s.s. (M, P) (CHR 286616, 355090, 355230, 369950)
- H. salicifolia var. salicifolia (M, unc G)
- H. tetragona var. (a) (incl. H. coarctata) (unc M, G) (CHR 355064)
- H. topiaria (M, P, G) (CHR 286622, 286624, 355246)
- H. sp. (a) (M) (CHR 286615, 355166) [H. pauciramosa var. masoniae]
- H. sp. (b) (G) (discussed as a "very robust form of H. odora" by Moore 1961, p. 925; lvs larger than in H. odora; infls nearly all lateral; spikes up to 5 cm long; fls up to 1.5 cm diam.) (CHR 387344) [H. odora in part]
- H. gracillima × H. sp. (a) (unc M) (CHR 355162)
- Helichrysum intermedium var. (a) (M, G, P) (CHR 286665, 355196, 358520, 366030) [H. selago]
- H. intermedium × Raoulia sp. (unc M)
- Hymenanthera alpina s.s. (M, P, G) (CHR 355079-80)
- Leptospermum scoparium (M) (CHR 355188)
- Leucopogon fasciculatus (unc M) [Cyathodes fasciculata]
- L. fraseri s.s. (M, P, G) (CHR 369958) [Cyathodes fraseri]

ssp. (a) (lvs narrower than in ssp. pseudocuneata)

< G. macrostigma (M)  
 < G. macrostigma × G. sp. (a) (M)

(incl. Leonorhebe masoniae) / 355162,  
 (incl. Leonorhebe mooreae)

(Melicytus alpinus s.s. [Hymenanthera alpina])  
 var. (a) (juv. lvs not much wider than adult lvs)

- Meliccytus* sp. (a) (unc M, unc G) (aff. *Hymenanthera alpina*; prostrate hermaphrodite shrubs; branches up to 40 cm long, often rooting; lvs linear-oblong; fr. white) (CHR 355076-7, 355124-6, 355147, 355160-1, 355225, 358396-8, 366163-4)
- Metrosideros umbellata* (M, G)
- Myrsine divaricata* s.s. (M, P, G)
- M. nummularia* (M, P, G) (CHR 369942)
- Neomyrtus pedunculata* (unc M)
- Nothofagus fusca* (M)
- N. menziesii* (M, P, G)
- N. solandri* var. *cliffortioides* (M)
- Olearia arborescens* (M, unc G)
- O. avicenniifolia* (M, unc P, G)
- O. colensoi* var. *colensoi* (M, G)
- O. lacunosa* var. *lacunosa* (M, P, G)
- ~~*O. laxiflora* s.l. (incl. *O. divaricata* and *O. virgata* var. *implicita*) (M) (CHR 355163)~~
- O. nummulariifolia* var. (a) (unc M, unc G) (lvs distinctly longer than broad, rather than suborbicular as in var. *nummulariifolia*) (CHR 355240)
- O. arborescens* × *O. lacunosa* (unc M) (CHR 366070)
- O. avicenniifolia* × *O. nummulariifolia* (unc M, unc G) (CHR 355248)
- Pentachondra pumila* (M, P, G)
- Peraxilla tetrapetala* (unc M) [*Elytranthe tetrapetala*]
- ~~*Pernettya macrostigma* (M)~~
- ~~*P. macrostigma* × *Gaultheria* sp. (a) (M)~~
- Pimelea longifolia* var. *longifolia* (M, G) (CHR 366176)
- P. prostrata* s.s. (unc M)
- ~~*P. uneri* var. (a) (incl. *P. oreophila*) (M, P, G) (CHR 355223, 366054) [*P. pseudolyallii* in part]~~
- Pittosporum tenuifolium* (unc M)
- P. anomalum* (M) (CHR 286620, 355224)
- P. rigidum* var. (a) (incl. *P. crassicaule*) (M, P, G)
- Pseudopanax anomalum* (M) [*Neopanax anomalum*]
- P. crassifolium* (unc M)
- P. linearis* (M, unc G)
- P. simplex* s.l. (incl. *P.s.* var. *sinclairii*) (M, unc P, unc G) [*Neopanax simplex*]
- P. sp.* (a) (M, unc P, G) (described as *P. colensoi* var. *fiordensis* and as *P. colensoi* var. *ternatus*, by Wardle 1968) [*Neopanax colensoi* in part]
- Pseudowintera colorata* (M, unc P)
- Quintinia serrata* s.l. (incl. *Q. acutifolia* and *Q. elliptica*) (M)
- Traversia baccharoides* (M, G) (CHR 355184)

Malpinus

*O. virgata* var. *implicita* s.l. (incl. *O. var. divaricata* and *O. v. var. laxiflora*)

**DICOTYLEDONOUS LIANES AND RELATED TRAILING PLANTS**

- ~~*Clematis forsteri* s.l. (incl. *C. australis*, *C. hookeriana*, and *C. patsonii*) (unc M) (CHR 355158, 366066)~~
- C. paniculata* (unc M)
- Muehlenbeckia australis* (M)
- M. axillaris* (M, P, G) (CHR 369938)
- M. australis* × *M. axillaris* (unc M)
- Rubus cissoides* var. (a) (M) (form c of Allan 1961; leaflets broader than in var. *cissoides*)
- R. schmidelioides* var. *schmidelioides* (M, unc G)
- R. cissoides* × *R. schmidelioides* (unc M)

**LYCOPODS**

- Lycopodium australianum* (unc M, unc P, G)
- L. fastigiatum* (M, P, G)
- L. scariosum* (M, P, G)
- L. varium* s.l. (incl. *L. billardierei* and *L. novae-zelandicum*) (unc P, unc G)

**FERNS**

- ~~*Asplenium flaccidum* s.s. (M, G)~~
- Blechnum chambersii* (unc M, unc G) (CHR 366034) [*B. lanceolatum*]
- B. colensoi* (unc M) [*B. patersonii*]
- B. discolor* (M, unc P, G)
- B. fluviatile* agg. (M, P, G)
- B. penna-marina* (M, P, G)
- B. procerum* (M, P, G) [*B. minus* sensu Allan 1961]
- B. sp.* (a) (unc M, unc G) (~~*B. capense* agg.~~; lower pinnac reduced in length) [*B. capense* in part]
- B. sp.* (b) (M, P, G) (~~*B. capense* agg.~~; "The Dunedin-Cass Variety" of Crookes 1963; lower pinnac not reduced in length) (CHR 355182) [*B. capense* in part]

← *Asplenium bulbiferum* (M)

*Cyathea colensoi* (M, P, G)  
*Cystopteris tasmanica* (M, P, G) [*C. fragilis*]  
*Gleichenia dicarpa* (M) (CHR 286629) [*G. circinata*]  
*Grammitis billardierei* (M, P, G)  
*G. magellanica* ssp. *nothofageti* (M, G) (CHR 355143, 358501, 366073) [*G. billardierei* in part]  
*G. patagonica* (M, P, G) (CHR 286666, 355186, 358424, 358503) [*G. ciliata* in part]  
*G. poeppigiana* (M, P, G) [*G. pumila*]  
*Histiopteris incisa* (unc M, unc P)  
*Hymenophyllum demissum* (unc M)  
*H. malingii* (unc M, unc P) (CHR 369948)  
*H. multifidum* (M, unc P, G)  
~~*H. rarum*~~ (unc M)  
*H. rufescens* (M, unc P, unc G) (CHR 366033)  
*H. sp. (a)* (M, P, G) (cf. *H. villosum*)  
*Hypolepis millefolium* (M, P, G)  
*H. rufobarbata* (unc M) [*H. rugosula* in part]  
*Leptopteris superba* (M, P, unc G) [*Todea superba*]  
*Ophioglossum coriaceum* agg. (unc M, unc P, unc G) (CHR 355059)  
*Pneumatopteris pennigera* (unc M) [*Thelypteris pennigera*]  
*Polystichum vestitum* (M, P, G) (CHR 369952)  
~~*Schizaea sp. (a)*~~ (unc M) (cf. *S. australis* and *S. fistulosu*) (CHR 355043)

< *H. pulcherrimum* (unc M)

< (unc M)

**MONOCOTYLEDONOUS HERBS**

**ORCHIDS**

*Adenochilus gracilis* (unc M)  
*Aporostylis bifolia* (M, P, G)  
*Chiloglottis cornuta* (unc M, P, unc G)  
*Corybas macranthus* (M, P, unc G)  
*C. rivularis* (unc M) [*C. orbiculatus*]  
*C. trilobus* s.s. (M, G)  
*Gastrodia cunninghamii* (unc M)  
*Lyperanthus antarcticus* (unc G)  
*Microtis oligantha* (unc M, unc G) (CHR 355220)  
*M. unifolia* (unc M)  
*Prasophyllum colensoi* (M, P, G) (CHR 369940)  
*Pterostylis irsoniana* (unc M, unc P, unc G)  
*P. oliveri* (unc M, unc G) (CHR 358489)  
*P. venosa* (unc M, unc G) (CHR 358476)  
*Thelymitra hutchii* (unc M)

< s.s.

**GRASSES**

*Agrostis dyeri* s.s. (M, P, G) (CHR 389994, 393601)  
*A. muscosa* (M) (CHR 366061)  
~~*A. sp. (a)*~~ (M, P, G) (cf. *A. peroniana*) (CHR 354912-3, 355134, 358417-8, 365648, 369707-9, 369927-9, 369970)  
*A. sp. (b)* (G) (aff. *A. dyeri* but panicle not contracted) (CHR 358416)  
*Chionochloa australis* (M, G) (CHR 355054) [*Danthonia australis*]  
*C. conspicua* ssp. *conspicua* (M, P, G) [*Danthonia cunninghamii*]  
*C. pallens* var. (a) (M, P, G) (lvs broader than in var. ~~*pallens*~~) (CHR 369959) [*Danthonia raoulii* in part]  
*C. rubra* var. (a) (M, P, G) [*Danthonia raoulii* in part]  
*C. sp. (a)* (M, P, G) (*C. flavescens* auct. South Island, non *C. flavescens* Zotov; lf blade green on abaxial surface, glaucous on adaxial surface, wide, strap-like, without midribs or with faint midrib on abaxial surface only) (CHR 355195, 358487) [*D. raoulii* in part]  
*C. conspicua* × *C. pallens* (unc M, unc G)  
*C. conspicua* × *C. rubra* (unc M) (CHR 355150)  
*C. conspicua* × *C. sp. (a)* (unc M)  
*C. pallens* × *C. rubra* (M, P, G)  
*C. rubra* × *C. sp. (a)* (M, P, G) (CHR 355151)  
*Deschampsia caespitosa* var. *macrantha* (unc M) (CHR 355221)  
*D. novae-zelandiae* (M, unc P, G) (CHR 355131, 366077-9, 366087)  
*D. tenella* (M, P) (CHR 355132, 358425-6)  
*Deyeuxia aucklandica* (M, unc G) (CHR 366050) [*D. setifolia*]  
*D. avenoides* s.l. (incl. *D. avenoides* var. *brachyantha*) (M)

< *personata*

< ssp. *pallens*

< ssp. *occulta*

- Elymus ensyii* (M, P) (CHR 355135, 369945) [*Agropyron aristatum*].
- E. sp. (a)* (M, P, G) (*E. rectisetus* agg.; Series 2 of Löve and Connor, 1982; lvs ± glaucous; lf sheath glabrous or finely hairy; lf blade glabrous, flat, up to 6 mm wide; blade margins minutely scabrid; awns 4-6 cm long) (CHR 355130, 369706) [*Agropyron scabrum* in part]
- ~~*Erythranthera australis* (unc M) (CHR 354906-7) [*Triodia australis*]~~
- Festuca sp. (a)* (unc M) (aff. *F. rubra*) (CHR 366063)
- F. sp. (b)* (M, P, G) (cf. *F. matthewsii*; plants tufted, but not tussock-forming, glaucous) (CHR 355141, 355177, 358496, 366180)
- Hierochloa novae-zelandiae* (unc M, P, G) (CHR 369936) [*H. fraseri* in part]
- Koeleria sp. (a)* (M, G) (*K. novae-zelandica* agg.; lvs narrow, channelled) (CHR 354920-2, 358506) [*K. kurtzii* in part]
- Lachnagrostis sp. (a)* (M, P, G) (included in *L. filiformis*, as var. *semiglabra*, by Zolov 1965) (CHR 286659, 354909, 369702) [*Deyeuxia forsteri* var. *semiglabra*]
- Microlaena avenacea* (M, P, G)
- M. colensoi* (M, P, G) (CHR 369937) [*Ehrharta colensoi*]
- Poa breviglumis* (M, P, G) (CHR 354905) [*P. imbecilla* var. *breviglumis*]
- P. celsa* (unc M, unc G) (CHR 355192, 363539-40, 366064, 369884) [*P. kirkii* in part]
- P. cita* (M, G) (CHR 358494) [*P. caespitosa*]
- P. colensoi* (M, P, G) (CHR 366072)
- P. kirkii* (unc M, unc P, G) (CHR 355065, 355191, 363544, 369871, 369876)
- P. maia* (unc M, P, unc G) (CHR 355145, 363542)
- ~~*P. novae-zelandiae* (unc P, unc G) (CHR 363545, 369896, 369898-9)~~
- P. sudicola* (M, unc P) (CHR 354914-5, 355171-3, 369703-4, 369893-5)
- P. subvestita* (M, P, G) (CHR 355168, 355241, 363543, 369897) [*P. novae-zelandiae* var. *subvestita*]
- Rytidosperma buchananii* (M) (CHR 355144) [*Danthonia buchananii*]
- R. gracile* (M, P, G) (CHR 366153) [*Danthonia semiannularis* in part]
- R. nigricans* (M, P, G) (CHR 355061, 366057-8) [*Danthonia semiannularis* var. *nigricans*]
- R. setifolium* (M, P, G) (CHR 286654) [*Danthonia semiannularis* var. *setifolia*]
- Trisetum youngii* (M, P, unc G) (CHR 358411, 366194, 369965)
- T. sp. (a)* (M, P, G) (plants slender; lf sheath glabrous or nearly so; lf blade flat, up to 2.5 mm wide, margins smooth, usually with a few hairs near ligule) (CHR 354904, 355200, 358467) [*T. antarcticum* in part]
- T. sp. (b)* (unc M, P, unc G) (CHR 354918-9, 355060, 358412-3, 369962-4, 369966) [*T. antarcticum* var. *tenellum*]
- T. sp. (c)* (M, P) (aff. *T. antarcticum*; plants robust; lf sheath glabrous at least in upper part; lf blade flat, up to 7 mm wide, margins scabrid, usually with some hairs near ligule) (CHR 355189, 355219, 369701, 369925) [*T. antarcticum* in part]
- T. hybrids* suspected between *T. youngii*, *T. sp. (b)*, and *T. sp. (c)* (M, P)

*Rytidosperma australe*

plants rhizomatous;

s.s.

ssp. cita

sp. (c) (aff. P)

**SEDGES**

- Carex acicularis* (M, P, unc G) (CHR 355178, 358431, 366182, 366188)
- C. breviculmis* (M, unc G)
- C. buchananii* (unc M-L Jeanette) (CHR 366049)
- C. dallii* (unc M) (CHR 355048)
- C. dipsacea* var. *dipsacea* (M-L Jeanette)
- C. dissita* s.s. (M)
- C. echinata* var. (a) (incl. *C. stellulata* var. *australis*) (M, unc G) (CHR 366060)
- C. ensyii* (unc M-The Haystack) (CHR 366155-6)
- C. flaviformis* (M, G) (CHR 286631)
- C. gaudichaudiana* (M, G)
- C. inversa* (unc M) (CHR 366040)
- C. kirkii* s.l. (incl. *C. kirkii* var. *elatior*) (M-L Jeanette and Thousand Acres Plateau) (CHR 355088, 366048)
- C. libera* (M, G) (CHR 355164, 358428, 365675, 366187, 366189)

described as

*C. flagellifera* (unc M)

- C. secta* s.s. (M-L Jeanette)
- C. sinclairii* (M, P, G) (CHR 366183-5, 369939)
- C. solandri* (unc M-L Jeanette) (CHR 366191)
- C. testacea* s.s. (unc G) (CHR 358430)
- C. trachycarpa* (unc P) (CHR 369949)
- C. sp. (a)* (unc M, unc P) (aff. *C. testacea* but lvs broader, usually reddish, and utricle margins not scabrid) (CHR 387339) [*C. testacea* in part]
- C. sp. (b)* (M, unc P, G) (tufts up to 30 cm tall; lvs channelled, green to brownish green, usually recurved; spikes 3-5, approximate in small plants, slightly spaced in larger ones; utricles faintly nerved, narrowed gradually to a shallowly bifid beak; stigmas 3) (CHR 286670, 355069, 358491, 358518, 387335)
- C. sp. (c)* (M, P, G) (tufts up to 30 cm tall in open, occasionally up to 90 cm in partial shade; lvs channelled, green, stiff, erect; spikes 3-6, approximate in small plants, distant in large ones; utricles nerved, narrowed abruptly to a shortly bifid beak; stigmas 3) (CHR 354910-1, 355212-3, 358429, 358486, 358519, 369710-1, 387336-8)
- C. sp. (d)* (M, P, G) (aff. *C. coriacea* but lvs slender, bright green, not becoming stiff and yellow-green in exposed sites; utricles similar to those of *C. coriacea*, faintly to obscurely nerved; beak minute or absent) (CHR 286625, 286671, 355157, 358513, 366186, 366190, 369961) [*C. geminata* in part]
- Carpha alpina* (M, P, G) (CHR 355057)
- Eleocharis acuta* (M, unc P) (CHR 366059)
- Gahnia procera* (M, unc P, unc G)
- Isolepis aucklandica* (M, unc P, unc G) (CHR 369960) [*Scirpus aucklandicus*]
- I. caligenis* (unc M, unc P, unc G) (CHR 358499, 369968) [*Scirpus caligenis*]
- I. habra* (M, P, unc G) [*Scirpus habrus*]
- I. subtilissima* (M) (CHR 355149) [*Scirpus subtilissimus*]
- Oreobolus impar* (G)
- O. pectinatus* (M, P, G)
- O. strictus* (M, P, G)
- Schoenus pauciflorus* (M, P, G) [=slender form of Edgar 1970, p. 194] (CHR 369931)
- Uncinia astonii* (M, P, G) (CHR 358509, 369947)
- U. clavata* (unc M, unc G)
- U. divaricata* (M, P, G)
- U. ferruginea* (unc M)
- U. filiformis* (M, P, G)
- U. fuscovaginata* var. (a) (M, P, G) (CHR 358545) [plants glaucous]
- U. gracilentia* (M) (CHR 286660)
- U. involuta* (M, P, G) (CHR 354900)
- U. longifructus* (unc P, unc G)
- U. nervosa* s.s. (unc M, unc P, G) (see Edgar 1970, p. 231, for discussion) (CHR 366181, 369943)
- U. rubra* (M) (CHR 355083)
- U. rupestris* (incl. *U. angustifolia*)
- U. silvestris* (unc P)
- U. uncinata* (M)
- U. zotovii* (M)
- U. sp. (a)* (unc M) (aff. *U. nervosa* but more slender; see Edgar 1970, p. 231) (CHR 366192) [*U. nervosa* in part]

^ s.s.

^ s.s.

< *U. egmontiana* (M)

^ s.l.  
^ s.l. (incl. *U. affinis*)

**RUSHES AND ALLIED PLANTS**

- Centrolepis ciliata* (M, G) (CHR 355045, 358526)
- Empodisma minus* (M, G) [*Calorophus minor*]
- Gaimardia setacea* (M, G) (CHR 366031)
- Juncus antarcticus* (M, P)
- J. gregiflorus* (M)
- J. novae-zelandiae* (M, P, G)
- J. pusillus* (M) (CHR 355148)
- Luzula decipiens* (M-Thousand Acres Plateau) (CHR 354899, 354901, 355053)
- L. migrata* (M, P, G) (CHR 358570, 366071) [*L. banksiana* var. *migrata*]
- L. picta* s.s. (unc P)
- L. rufa* s.s. (M, P, G) (CHR 363514-5, 387340)
- L. subclavata* (unc P, unc G) (CHR 358573) [*L. picta* var. *pallida*]

L. sp. (a) (M, P, G) (CHR 358571-2) [*L. picta* var. *limosa*]  
L. migrata × L. rufa (M, P) (CHR 387341)

**MONOCOTYLEDONOUS HERBS OTHER THAN GRASSES,  
SEDGES, RUSHES AND ALLIED PLANTS**

- Astelia graminea* (M, G) (CHR 355081)
- A. linearis* var. *linearis* (M, P, G)
- A. nervosa* s.s. (M, P, G) (CHR 355127-8, 358450)
- A. nivicola* s.s. (M, P, G) (CHR 355209)
- A. petriei* (M, P, G) (CHR 355210)
- A. skottsbergii* (M, P, G) (CHR 286619, 355251)
- A. sp. (a)* (M, G) (CHR 355231) [*A. nivicola* var. *moriceae*]
- A. sp. (b)* (M, P) (aff. *A. nervosa* but lvs broader and not conspicuously white adaxially) (CHR 355128)
- Bulbinella hookeri* (M-Black V., G)
- Herpolirion novae-zelandiae* (M, unc G)
- Libertia ixioides* (unc M) (CHR 355152)
- L. peregrinans* (M, G)
- L. pulchella* (M, unc G)
- Luzuriaga parviflora* (M)
- Phormium cookianum* (M, P, G)
- Potamogeton cheesemanii* (unc M)

**DICOTYLEDONOUS HERBS**

**COMPOSITES**

- Abrotanella caespitosa* (M, unc P, G)
- A. linearis* s.s. (M, P, G) (CHR 358500)
- Brachycome radicata* var. *radicata* s.l. (incl. *B. radicata* var. *membranifolia*) (unc M, unc P, unc G) (CHR 355170, 358537, 366076)
- B. sinclairii* s.s. (M, G)
- Brachyglottis lagopus* var. (a) (M, P, G) (cottony hairs on both surfaces of lf, dense at first, but becoming sparse; the undersurface, though with more tomentum than the upper, at no stage appears white, and may end up almost glabrous) (CHR 358485, 358492-3, 389995-6) [*Senecio lagopus*]
- ~~*Calmsia allanii* (unc P) (CHR 369941)~~
- C. alpina* (M, G)
- C. armstrongii* (M, G) (CHR 286667, 355084, 358468)
- C. bellidioides* (M, P, G) (CHR 358481)
- C. dallii* (P, G) (CHR 369956)
- C. gibbsii* (unc M, G) (CHR 355198, 358469)
- C. incana* s.l. (incl. *C. discolor*) (M, P, G) (CHR 355095, 358472)
- C. loricifolia* (G)
- C. lateralis* s.l. (incl. *C. l.* var. *villosa*) (unc G) (CHR 358516)
- C. monroi* var. (a) (M, P, G) (CHR 286661-3, 358497, 358510, 358536) [*C. coriacea* var. *semicordata*]
- C. parva* (G) (CHR 358534)
- C. petriei* (M, P, G) (CHR 355085, 358532)
- C. sessiliflora* (unc M) (CHR 355050, 355086)
- C. similis* (unc P, G)
- C. spectabilis* var. Ssp.
- C. traversii* (G) (CHR 358484)
- C. sp. (a)* (M, P, G) (aff. *C. gracilentia*; plants tufted; lvs linear to linear-lanceolate, up to 45×1.2 cm; lower surface white with cottony hairs) (CHR 358433-5, 366068) [*C. gracilentia* in part]
- C. sp. (b)* (unc M, P) (aff. *C. gracilentia*; plants strongly rhizomatous) (CHR 355175, 355207)
- C. alpina* × *C. armstrongii* (unc M) (CHR 355211, 355222)
- C. armstrongii* × *C. monroi* (unc M) (CHR 355107)
- C. armstrongii* × *C. similis* (unc G) (CHR 358517)
- C. armstrongii* × *C. spectabilis* (unc G)
- C. monroi* × *C. petriei* (unc M)
- C. monroi* × *C. traversii* (unc G)
- C. spectabilis* × *C. traversii* (unc G)

↳ (Anaphalis from p.9)

↳ (incl. *C. duriatzi*)  
↳ *Calmsia alpina* s.s. (M, G)

↳ ssp.

↳ *C. sinclairii* s.l. (incl. *C. allanii* and *C. duriatzi*) (unc P) (CHR 369941)

↳ var. (a)

↳ *Leptinella pyraethifolia* agg. [*Cotula pyraethifolia*]

↳ L. sp. (b) (Lloyd and Webb, 1987)

↳ L. sp. (d) (aff. *L. squalida*; pinnae entire or almost so) (CHR 358415)

p.9 } >



- Craspedia* sp. (a) (M, P, G) (summer-green; lvs elliptic-spathulate, white or greenish white, both surfaces clad in cottony hairs; fls white) (CHR 355067, 355194, 355217-8, 358405, 358507) [*C. lanata* var. *elongata*]
- C. sp. (b) (M, G) (summer-green; lvs elliptic-spathulate, green, both surfaces densely clad in short glandular hairs <0.3 mm long; midrib with or without long, non-glandular, multicellular hairs; lf margins ± faintly white with cottony hairs; fls white) (CHR 355129, 355190, 358406, 366053)
- C. sp. (c) (M, P, G) (summer-green; lvs elliptic-spathulate, green, both surfaces clad in non-glandular, multicellular hairs up to c. 2 mm long, margins faintly to distinctly white with cottony hairs; fls white) (CHR 358401)
- C. sp. (d) (G) (summer-green; lvs small, elliptic-spathulate, green; lf blade rather abruptly narrowed to long slender petiole, both surfaces clad in non-glandular, multicellular hairs up to c. 1 mm long; fls white)
- C. sp. (e) (G) (evergreen; lvs thick and fleshy, ± broadly obovate-spathulate, apiculate, green; upper surface at first densely clad in non-glandular, multicellular hairs c. 3 mm long, lower surface less hairy and lvs later tending to become glabrous; fls white) (CHR 358402-4)

*Dolichoglottis lyallii* (M) (CHR 355185) [*Senecio lyallii*]  
*D. scorzonerooides* (unc G) (CHR 358524) [*Senecio scorzonerooides*]

*Gnaphalium audax* ~~var.~~ (unc M) (CHR 365649) [*G. collinum* in part]  
*G. ensifer* (M-L. Jeanette) (CHR 366088)  
*G. limosum* (M-L. Jeanette)  
*G. mackayi* s.s. (unc M, G) (CHR 355245)  
*G. paludosum* s.s. (unc M, unc G)  
*G. traversii* (M) (CHR 354917)

↳ s.s.

- ↳ *G. sp. (a)* (M, P, G) (described as *G. audax* ssp. *ruahinicum* by Drury 1972) (CHR 355140) [*G. collinum* in part]
- ↳ *G. sp. (b)* (unc M) (described as *G. paludosum* var. *polylepis* by Drury 1972) (CHR 355073)
- ↳ *G. sp. (c)* (M) (aff. *G. mackayi*: "Example 3" of Drury 1972, p. 166; lvs narrowly elliptic-spathulate, greyish white on both surfaces. (CHR 354908, 366089)

↳ *G. ruahinicum* (M, P, G)

↳ *G. polylepis* (unc M)

↳ *G. laterale* (M)

*G. ensifer* × *G. sp. (c)* (unc M-L. Jeanette) (CHR 366090)  
*Helichrysum ballidioides* s.s. (M, P, G) (CHR 369934)  
*H. filicaule* (M-L. Jeanette)  
*Lagenifera cuneata* (unc M) (CHR 366075)  
*L. petiolata* (unc M) (CHR 366037) [~~*L. pumila* var. *multidentata*~~]  
*L. pumila* (M, unc G)

↳ *G. laterale*

↳ *Anaphalis* sp. (a) [*Helichrysum ballidioides* s.s.]

(top. 8)

*L. strangulata* (M, P, G) [*L. petiolata*]  
*Microseris scapigera* (M, P, G) <sup>aff.</sup>  
*Pseudognaphalium* sp. (a) (M-L. Jeanette) [*P. luteoalbum*]; ~~var.~~ lvs mostly linear-spathulate to linear, acute) (CHR 366036) [*Gnaphalium luteoalbum* in part]  
*P. sp. (b)* (M, G) [*P. luteoalbum* ~~var.~~]; lvs mostly oblong-spathulate to narrowly oblong, rounded) (CHR 358440,

↳ aff.

365666) [*Gnaphalium luteoalbum* in part]  
*Raoulia apicinigra* s.s. (M, unc G) [*R. hookeri* var. *apicinigra*] (CHR 355106, 358478, 366052)  
*R. glabra* (unc M, P, G)  
*R. grandiflora* var. *grandiflora* (M, P, G)  
*R. tenuicaulis* s.l. (incl. *R. tenuicaulis* var. *dimorpha* and *R. tenuicaulis* var. *pusilla*) (M)  
*Senecio glaucophyllus* ssp. *glaucophyllus* (unc M, P, unc G) (CHR 355049, 355058, 355111, 355115, 358482)  
*S. rufiglandulosus* var. *rufiglandulosus* (unc M) (CHR 286628, 355109, 366047) [*S. solandri* var. *rufiglandulosus*]  
*S. wairauensis* (M, P, G) (CHR 324117, 355228, 355233-5, 358419-20, 366074) [*Erechtites wairauensis*]  
*Taraxacum magellanicum* ~~± (incl. *T. zealandicum*)~~ (M, P, G) (CHR 355108)

(*Leptocaulis* from p. 8)

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia* s.s. (M, unc G)
- A. fissistipula* (M, unc G) (CHR 286632, 355133, 358475)
- A. inermis* s.l. (incl. ~~*A. microphylla* var. *robusta*~~) (M) (CHR 355123)
- A. profundeincisa* (M, P, G) (CHR 355074, 355159, 358548) [*A. anserinifolia* in part]
- A. anserinifolia* × *A. inermis* (unc M)
- Aciphylla anomala* (unc M, P, G) (CHR 355117-9)
- A. colensoi* var. *colensoi* (M, P, unc G) (CHR 355102, 358449)
- A. ferox* (M, P, G) (CHR 286614, 355078, 355155, 355204, 358535)
- ~~*A. glaucescens*~~ (G) (lvs not rigid; secondary pinnac narrow, < 5 mm wide) (CHR 358442)
- A. polita* var. (a) (G) (CHR 358575)
- A. anomala* × *A. colensoi* (unc M, unc P) (CHR 366062)
- Actinotus novae-zelandiae* (unc M, unc G) (CHR 358502) [*Hemiphues suffocata* var. *novae-zelandiae*]
- Anemone tenuicaulis* (M, P, G) (CHR 355055)
- Anisotome aromatica* (M, P, G)
- A. deltoidea* (unc M, unc G)
- A. filifolia* (unc M)
- A. haastii* (G)
- A. pilifera* (M, P, G) (CHR 369930)
- A. sp.* (a) (unc M) (plants rhizomatous, forming mats; inf short, up to 5 cm) (CHR 366179)
- A. pilifera* × *Aciphylla sp.* (unc M—The Haystack) (CHR 366166)
- ~~*Asperula perpusilla* s.s.~~ (M, P, G) (CHR 358543) [~~*Galium perpusillum*~~]
- ~~*Galba novae-zelandiae*~~ (M, unc G) (CHR 358474)
- Cardamine sp.* (a) (M) (cf. *C. corymbosa*) (CHR 355098)
- C. sp.* (b) (M, G) (*C. debilis* agg.; cf. "Long Style" of Pritchard 1957) (CHR 363509, 363511)
- C. sp.* (c) (M, P, G) (*C. debilis* agg.; "Narrow Petal" of Pritchard 1957) (CHR 355203, 363510, 363512, 366175, 369967)
- C. sp.* (d) (M) (*C. debilis* agg.; "Glossy Leaf" of Pritchard 1957)
- C. sp.* (e) (M, P) ("Tussock Race" of Pritchard 1957) (CHR 366093-4)
- C. sp.* (f) (unc M, unc P, G) (lvs mostly simple, occasionally with up to two pairs of pinnules; blade ± reniform) (CHR 355169, 358541)
- Cheesemania latisiliqua* s.l. (incl. *C. gibbsii*) (M, P, G) (CHR 355070-2, 355205, 358470-1, 369954)
- Colobanthus affinis* (M, P, G) (CHR 286673, 355154, 355174, 358504)
- C. canaliculatus* s.s. (G) (CHR 358527)
- C. squarrosus* (M, P, G) (CHR 355165, 358528, 366167, 369781) [*C. canaliculatus* in part]
- Crassula multicaulis* (M—Thousand Acres Plateau) (CHR 355112-3) [*Tillaea multicaulis*]
- C. sinclairii* (unc M—L. Jeanette) (CHR 366091) [*Tillaea sinclairii*]
- Donatia novae-zelandiae* (M, P, G)
- Drosera arcturi* (M, P, G)
- D. spathulata* (M, G)
- D. stenopetala* (M, P, unc G)
- Epilobium alsinoides* s.s. (unc M)
- E. brunnescens* s.s. (M, P, G) [*E. pedunculare* var. *brunnescens*]
- E. chlorifolium* (M, P, G) (CHR 369713)
- E. cockayneanum* (M, P, G) (CHR 355094, 358574, 369969)
- E. glabellum* s.s. (unc M—The Needle, unc P, unc G) (CHR 366067) [*E. erubescens*]
- E. gracilipes* (M, P, G) (CHR 286658, 358490)
- E. insulare* (unc M) (CHR 366171-2)
- E. komarovianum* (M, unc G) (CHR 355097) [*E. nerteroides*]
- E. microphyllum* (unc M) (CHR 286643, 366038)
- E. nerteroides* (M) [*E. pedunculare* var. *viride*]
- ~~*E. pedunculare*~~ (unc M, unc G) [~~*E. linnaeoides*~~]
- E. pernitens* (M, P, G)
- E. pubens* (unc P)
- E. pycnostachyum* (M) (CHR 355197)
- E. tasmanicum* (unc G) (CHR 369712)
- E. vernicosum* (M, P, G) (CHR 355232, 358473, 358512, 369935)

*A. glaucescens* s.s.

*Galium parpusillum* s.s.

*Psychrophila*

*E. linnaeoides*

*E. sp. (a)* (M, P, G) (included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Eng. horn, 1971) [*E. pedunculare* var. *minutiflorum*]

*Euphrasia cheesemanii* (M, P, G) (CHR 355199, 358480)

*E. cockayneana* (M—Thousand Acres Plateau) (CHR 355096)

*E. laingii* s.l. (incl. *E. drucei*) (M, P, G) (CHR 355249, 358407, 366065)

*E. petriei* var. (a) (G) (plants tufted, perennial, forming patches up to 20 cm diam.; stems uniformly pubescent; lvs suborbicular to cuneate-obovate, 5–9 toothed, densely glandular-hairy all over, giving the plant a whitish appearance; pedicels equal to or greater than lvs) (CHR 358408–9)

*E. townsonii* (M, P, G) (CHR 355206, 358410)

*E. zelandica* var. (a) (M) (corolla 4–5 mm wide) (CHR 355105, 366092)

*Forstera mackayi* (M, G) (CHR 355187, 358505)

*F. sedifolia* s.s. (unc P, unc G) (CHR 358514, 369953)

*F. tenella* (M, P, G) (CHR 366055)

*Galium trilobum* (unc M) (CHR 366051) [*G. tenuicaule*]

*Gentiana bellidifolia* var. (a) (G) (CHR 358457, 358521)

*G. filipes* (M, P, G) (CHR 355101, 358522)

*G. gracilifolia* s.l. (incl. *G. vernicosa*) (M, G) (CHR 355042, 366168)

*G. grisebachii* (unc M) (CHR 355229)

*G. montana* s.l. (incl. *G. montana* var. *stolonifera*, *G. patula*, and *G. bellidifolia* var. *pulchella*) (M, P, G) (CHR 355120)

*G. spenceri* (unc M, P, unc G)

*G. sp. (a)* (M, P) (aff. *G. bellidifolia*; plants perennial, forming small to large patches; stems decumbent; lvs very glossy, ± folded, tips ± deflexed; fls large, creamy white) (CHR 354903, 355066, 366165)

*G. sp. (b)* (M) (aff. *G. montana*; plants perennial, forming small to large clumps; stems tall, robust, often decum-

bent at base; basal lvs densely rosulate, in adult plants usually placed some distance up the stem, i.e., well above ground level; blade usually apiculate; petiole shorter than blade; cauline lf pairs (2)–4–10; infl umbelliform) (CHR 355236–7)

*Geranium (microphyllum)* (M, P, G)

*G. sessiliflorum* var. *novae-zelandiae* (unc M)

*Geum leiospermum* (M, P, unc G) (CHR 355114)

*G. uniflorum* (unc G)

*G. sp. (a)* (M, P, G) (*G. parviflorum* agg.; stock short; terminal leaflet about as long as broad; fls up to 13 mm diam.) (CHR 355202, 355242)

*Gingidia baxterae* (M) (CHR 286668, 355092, 355146, 355244) [*Anisotome enysii* in part]

*G. decipiens* (M) (CHR 355201) [*Angelica decipiens*]

*G. montana* (M, P, G) [*Angelica montana*]

*Gonocarpus aggregatus* (M, unc P, G) [*Haloragis depressa*]

*G. micranthus* ssp. *micranthus* (M, unc G) [*Haloragis micrantha*]

*Gunnera dentata* var. *dentata* (unc M)

*Hydrocotyle heteromeria* (unc M) [*H. americana*]

*H. microphylla* (M)

*H. novae-zelandiae* s.s. (unc M–L, Jeanette) (CHR 366035)

*H. sulcata* (M) [*H. tripartita* in part]

*H. sp. (a)* (M, P, G) [*H. novae-zelandiae* var. *montana*]

*Hypericum japonicum* (unc M, P) (CHR 355099)

*Kelleria dieffenbachii* (M, G) (CHR 355122, 358422) [*Drapetes dieffenbachii*]

*K. sp. (a)* (M, unc G) (CHR 355110) [*Drapetes laxus*]

*K. sp. (b)* (unc M, P, G) (CHR 355051, 358421) [*Drapetes multiflorus*]

*Lilaeopsis ruthiana* (unc M—Thousand Acres Plateau) (CHR 355091)

*Limosella lineata* (M) (CHR 355093)

*Liparophyllum gūnnii* (unc G)

*Mazus radicans* (unc M) (CHR 355089)

*Mentha cunninghamii* (M, P)

*Mitrasacme novae-zelandiae* (M, G) (CHR 355044)

*Montia calycina* (incl. *Claytonia australasica* var. *biflora*) (M, unc P, unc G) (CHR 355121, 355193) [*Claytonia australasica* in part]

*M. fontana* s.s. (M)

∧ sp. (e) (aff. *E. laingii*)

∧ sp. (f) (aff. *E.*)

∧ s.s.

∧ sp. (b) (aff. *F. sedifolia*)

∧ agg.

∧ s.s.

∧ sp. (c) (aff. *G.*)

< *H. mosclata* (M)

∧ e

∧ e

∧ laxa

∧ multiflora

∧ agg.

∧ *Naopaxia sp. (b)* var. (d) (described as *Claytonia calycina*)

∧ *Montia*

(Neopaxia from P.I.)

- Myosotis macrantha* (M, unc G) (CHR 355183, 358515, 365661)
- M. traversii* var. *traversii* (M--The Needle and The Haystack) (CHR 354916, 358439)
- M. sp. (a)* (unc M, G) (~~*M. forsteri* agg.~~) (CHR 355176, 358511)
- M. sp. (b)* (unc M, unc P, G) (*M. australis* agg.; fls small, white) (CHR 355062-3, 355068, 355136, 355238, 358437-8, 358479, 366178)
- M. sp. (c)* (M, unc P, G) (CHR 355137, 355139, 358525) [*M. pygmaea* var. *drucei*]
- Myriophyllum triphyllum* (M--Black V. and L. Jeanette) (CHR 355226) [*M. elatoides*]
- Nertera balfouriana* (M)
- N. ciliata* (M, P, G)
- N. sp. (a)* (M, P, G) (aff. *N. dichondrifolia* but hairs present on both surfaces of lf, straight, not hooked) [*N. dichondrifolia* in part]
- Notolaspis australe* (unc M, G) (CHR 355179-80)
- Oreomyrrhis colensoi* (incl. *O. colensoi* var. *hispida* and *O. colensoi* var. *multifida*) (M, P, G) (CHR 366056)
- O. ramosa* (M, P, unc G) (CHR 355087)
- Oreostylidium subulatum* (M, unc G)
- Ourisia caespitosa* var. *caespitosa* (unc G)
- O. lactea* ssp. *lactea* (M, P, G) (CHR 358498) [*O. macrophylla* var. *lactea*]
- O. simpsonii* (unc G) (CHR 358508) [*O. sessilifolia* var. *simpsonii*]
- Oxalis magellanica* (M, P, G) [*O. lactea*]
- Parahebe decora* (?) (unc M--The Haystack) (CHR 366029)
- P. linifolia* ssp. *linifolia* (M, G) (CHR 286630, 355052, 355243)
- P. lyallii* (M, P, G) (CHR 355104, 355239)
- Phyllachne colensoi* (M, P, G)
- Plantago lanigera* (unc P, G) (CHR 358436)
- P. novae-zelandiae* (M, G)
- P. raoulii* var. (a) (M, P, G) (lvs narrowly elliptic) (CHR 358533, 369924)
- P. triandra* ssp. *triandra* (M)
- P. uniflora* (M, P, G)
- Potenilla anserinoides* (M)
- Pratia angulata* (M, P, G) (CHR 369951)
- Ranunculus foliosus* s.l. (incl. ~~*R. lappaceus* var. *villosus*~~ and probably *R. insertus* and *R. porrectus*) (M, P, G) (CHR 355056)
- R. gracilipes* (unc M)
- R. insignis* (M, P, G)
- R. verticillatus* (M, P, G) (CHR 355247) [*R. clivialis*]
- R. sp. (a)* (M, P, G) (described as *R. hirtus* var. *membranifolius* by Kirk 1899) (CHR 387296)
- R. sp. (b)* (unc G) (plants slender, stoloniferous, forming patches; lvs small, usually 3-foliolate) (CHR 358542)
- R. sp. (c)* (M) (described as *R. lappaceus* var. *macrophyllum* by Kirk 1899)
- R. sp. (d)* (cf. *R. cheesemanii*) (unc M)
- R. sp. (e)* (P) (described as *R. hirtus* var. *gracilis* by Cheeseman 1906) (CHR 387307-9)
- Rorippa palustris* (unc M--L. Jeanette) (CHR 366152) [*R. islandica*]
- Rumex flexuosus* (unc M--L. Jeanette)
- Schizeilema colensoi* (M) (CHR 286664, 355142, 355181)
- S. haastii* s.s. (M, G) (CHR 355075, 358567-8, 366169)
- S. nitens* (M)
- S. trifoliolatum* (unc P, unc G) (CHR 358477)
- S. sp. (a)* (P) [*S. haastii* var. *cyanopetalum*]
- Scleranthus brockiei* (M, P, G) (CHR 355138, 358483, 369946)
- Stellaria decipiens* (incl. ~~*S. minima*~~ and *S. parviflora*) (unc M, unc P, G)
- Tetrachondra hamiltonii* (unc M--Thousand Acres Plateau) (CHR 354902)
- Urtica incisa* (M, P, unc G)
- Utricularia* sp. (a) (unc M) (cf. *U. monanthos* and *U. novae-zelandiae*) (CHR 355046)
- Viola cunninghamii* (M, P, G)
- V. filicaulis* (M, P, G)
- V. lyallii* (M, G)
- Wahlenbergia albomarginata* var. *albomarginata* s.l. (incl. *W. pygmaea* var. *laxa*, *W. brockiei*, and *W. simpsonii*) (M, P, G)

forsteri

✓ s.s.

✓ sp. (b) (*N. australe* auct., non *Thlaspi australe* Hook.f.)

✓ sp. (d) (aff. *O. ramosa*)

✓ agg.

s.s.

✓ agg.

*R. membranifolius* [*R. hirtus* in part]

*R. cheesemanii* var. *cheesemanii*  
*R. muris*

✓ s.l.

## ADVENTIVE PLANTS (54 SPECIES)

DICOTYLEDONOUS TREES

*Malus domestica* (unc M — one tree near hut)  
*Salix* sp. (unc M — seedlings only)

HORSETAILS

*Equisetum arvense* (unc M) (CHR 286669)

MONOCOTYLEDONOUS HERBSGRASSES

*Agrostis capillaris* (M, P)  
*A. stolonifera* (unc M)  
*Anthoxanthum odoratum* (unc M)  
*Bromus hordeaceus* (unc M)  
*Dactylis glomerata* (unc M, P)  
*Elymus* sp. (b) (unc M) (*E. rectisetus* agg.; Series 1 of Love and Connor, 1982; lvs green or glaucous; lf sheath and blade glabrous or finely hairy; blade flat; upper culm blades short and wide-spreading; awns 2-3 cm long) (CHR 286647, 369705) *rectisetus* s.s. (unc M)  
*Festuca arundinacea* s.l. (M)  
*F. nigrescens* (M, unc G) (CHR 358495) ["*F. nigricans*" in error]  
*Glyceria declinata* (M)  
*Holcus lanatus* (M)  
*Phleum pratense* (M)  
*Poa annua* (unc M, unc P)  
*P. pratensis* (unc M, P)

SEDGES

*Carex ovalis* (M, unc G)

RUSHES

*Juncus articulatus* (M, P, G)  
*J. bufonius* (M)  
*J. conglomeratus* (M, unc G)  
*J. effusus* (M, P)  
*J. tenuis* (M)

DICOTYLEDONOUS HERBSCOMPOSITES

*Achillea millefolium* (unc M)  
~~*Chrysanthemum leucanthemum*~~ (unc M) *leucanthemum vulgare*  
*Cirsium arvense* (M, unc G)  
*C. vulgare* (M, P, unc G)  
*Crepis capillaris* (unc M)  
*Hieracium flachenalii* auct. N.Z. (unc M) *lepidulum*  
*H. pilosella* (unc M)  
*H. praealtum* auct. N.Z. (unc M)  
*Hypochoeris radicata* (M, P, G)  
*Leontodon taraxacoides* (M)  
*Mycelis muralis* (M, P, G)  
*Senecio jacobaea* (unc M)  
*S. sylvaticus* (unc M)  
*Sonchus asper* (unc M, unc G)  
*S. oleraceus* (unc M)  
*Taraxacum officinale* s.l. (M, P, G)

DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

*Callitriche* sp. (a) (unc G) (cf. *C. stagnalis*) (CHR 358423)  
*Cerastium fontanum* ssp. *vulgare* (M, P, G)  
*Epilobium ciliatum* (unc M)  
*Hypericum perforatum* (unc M)  
*Linum catharticum* (M)  
*Lotus pedunculatus* (M)  
*Myosotis laxa* ssp. *caespitosa* (M)  
*Plantago lanceolata* (unc M)  
*Prunella vulgaris* (M, P)  
*Ranunculus repens* (M)  
*Rumex acetosella* (M)  
*Sagina procumbens* (M, P, G)  
*Trifolium dubium* (unc M)  
*T. pratense* (unc M)  
*T. repens* (M, P, G)  
*Veronica serpyllifolia* (M)

TYPOGRAPHICAL ERRORS

In Druce, Williams, and Heine, 1987  
 "Hydrocotyle sp. (b)" should read "Hydrocotyle sp. (a)"  
 "Gnaphalium sp. (e)" should read "Gnaphalium sp. (c)"

ERRONEOUS RECORDS

In Druce, Williams, and Heine, 1987

- Brachyglottis bellidioides (pp. 49, 51) = Brachyglottis lagopus var. (a)
- Coprosma pumila (p. 53) = Coprosma parpusilla ssp. parpusilla
- Epilobium pedunculare = Epilobium linnaeoides
- Plantago novae-zelandiae included in Plantago lanigera
- Forstera sedifolia = Forstera sp. (b)
- Hebe haastii var. macrocalyx (as H. macrocalyx) (pp. 53, 54) = Hebe haastii var. (a)
- Leptinella squalida (as Cotula squalida) (pp. 51, 52) = Leptinella sp. (b)
- Oursia macrophylla (p. 51) = Oursia lactea ssp. lactea
- Poa novae-zelandiae = Poa sp. (c)

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