

Fig. 8 The main Paleozoic rock belts of Northwest Nelson. Inset shows distribution of lower Paleozoic rocks in the South Island.

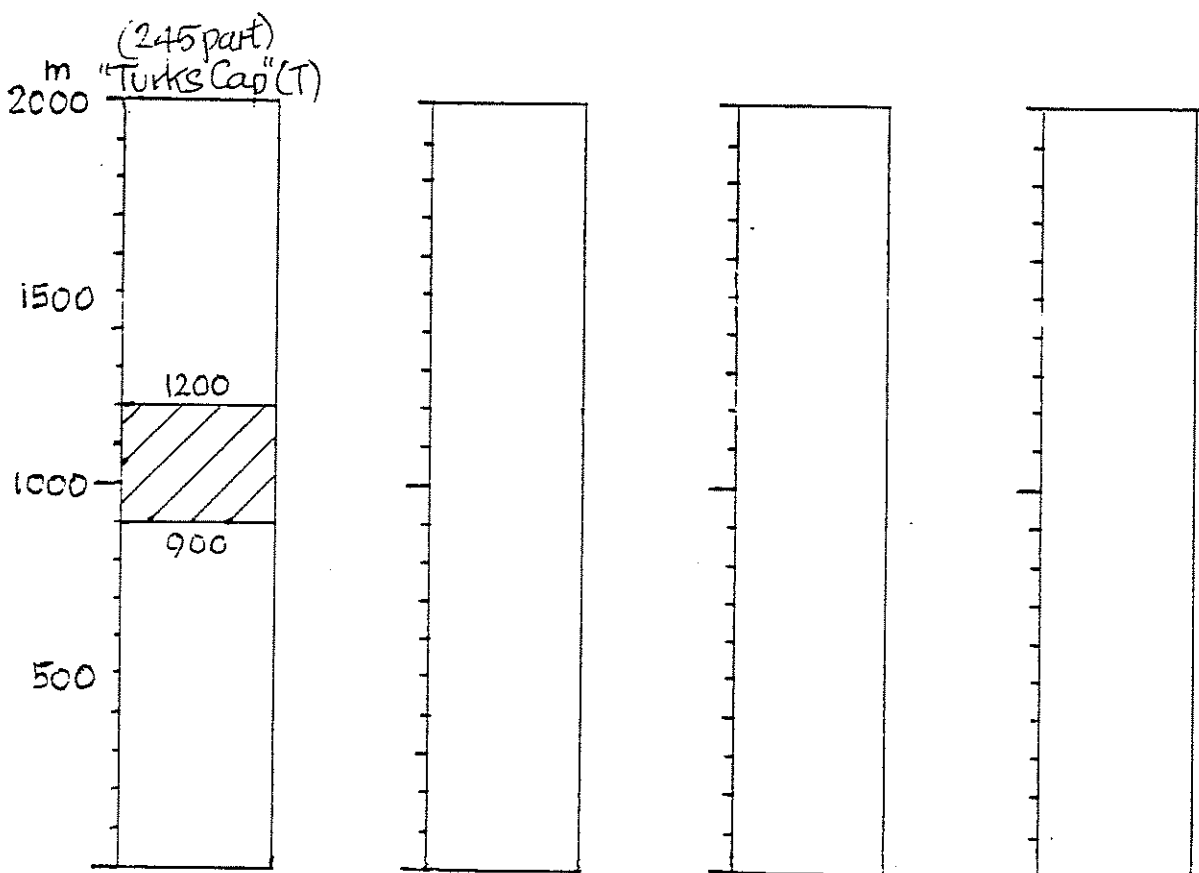
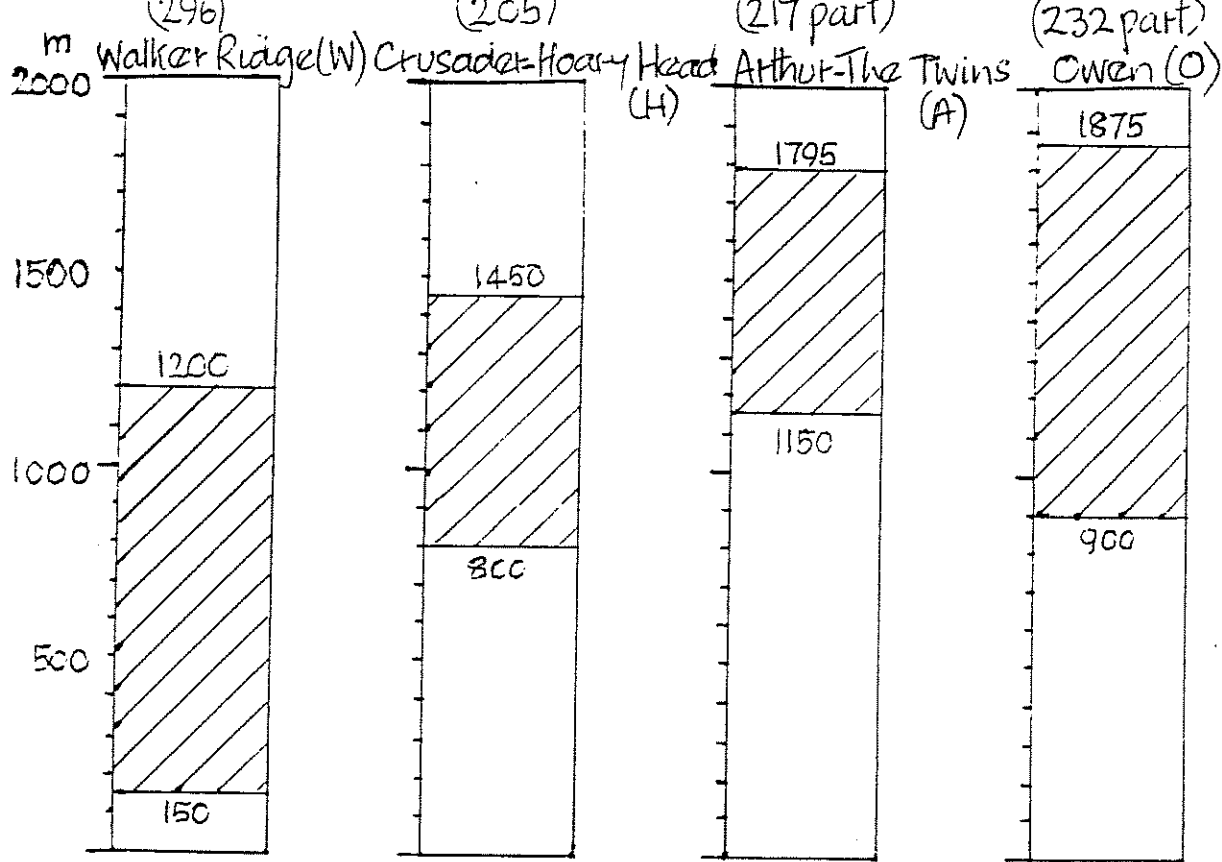
DISTRIBUTION OF EASTERN SEDIMENTARY ROCKS

Areas surveyed on limestone and marble

- W- Walker Ridge area (W of Takaka)
- H- Crusader- Hoary Head area (N Arthur Ra)
- A- Arthur-The Twins area (central Arthur Ra.)
- O- Owen area (Mt Owen)
- T- "Turks Cap" area ("Turks Cap" Ra.)

GENERAL LOCATION AND GEOLOGY OF EACH AREA  
 (Grid refs on Infomap 262-9 are for the centre of each area) (Geology from Grindley 1971, 1980, and Coleman 1981)

Area-Location	Geology	Grid ref.
Walker Ridge	Paleozoic Sedimentary Rocks crystalline limestone and marble	484038
Crusader-Hoary Head area (H), N Arthur Ra.		495013
Arthur-The Twins area (A), central Arthur Ra.		483998
Owen area (O), Mt Owen		472963
"Turks Cap" area (T), "Turks Cap" Ra.		468965



ALTITUDINAL RANGE OVER WHICH PLANTS WERE RECORDED IN EACH AREA

The numbers in brackets refer to lists of plants compiled for each area and filed at Landcare Research

Field work in the eastern marble mountains totalled 36 days mostly between 1972 and 1993. The separate areas were visited at the dates indicated below:

Walker Ridge area (W)	3 days in October 1987
Crusader Hoary Head area (H)	2 days in December 1980
	3 days in February 1986
Arthur-Twills area (A)	3 days in April 1963
	2 days in January 1975
	4 days in January 1982
	1 day in February 1991
Owen area (O)	5 days in January 1972
	5 days in January 1983
	1 day in December 1987
	1 day in February in 1993
"Turks Cap" area (T)	3 days in January 1983
	3 days in February 1989

The following participated in the field work: Edward Abraham, Ted Abraham, John Bartlett, Heather Beaton, Mark Bellingham, Elizabeth Brown, Bev Bruce, Len Bruce, Warren Burke, Joe Cartman, Shannel Courtney, Alison Davis, Helen Druce, Tony Druce, Allan Fife, John Findlay, Elsie Gibbons, Arnold Heine, Jan Heine, Roland Heine, Kevin Luff, Bill Malcolm, Alastair Robertson, Geoff Rogers, Barry Sneddon, Barry Sprung-Rice, Peter Williams, and members of Wellington Botanical Society.

## INDIGENOUS PLANTS (594 SPECIES)

### GYMNOSPERM TREES AND SHRUBS

Dacrydium cupressinum (W)

Halocarpus biformis (W) [Dacrydium biforme]

Lagarostrobos colensoi (unc W) [Dacrydium colensoi]

Lepidothamnus intermedius (W) [Dacrydium intermedium]

L. laxifolius (unc H) [Dacrydium laxifolium]

Libocedrus bidwillii (W, unc H, unc O)

Phyllocladus alpinus ss. / P. sp. @ (W, H, A, O, T)

P. alpinus ss. (A, O; distribution elsewhere uncertain)

P. sp. @ (W; distribution elsewhere uncertain) (aff. P. alpinus; "lowland" ecotype of Wardle 1969) [P. alpinus in part]

Podocarpus hallii (W, H, O, unc T)

P. nivalis (H, A, O)

P. hallii x P. nivalis (unc H, unc O, unc T)

Prumnopitys ferruginea (W) [Podocarpus ferrugineus]

P. taxifolia (unc W) [Podocarpus spicatus]

### MONOCOTYLEDONOUS TREES AND SHRUBS

Cordyline banksii (W)

C. indivisa (unc W)

Rhopalostylis sapida (W)

### DICOTYLEDONOUS TREES AND SHRUBS

Alectryon excelsum var. excelsum (unc W)

Alseuosmia macrophylla (unc W)

Archaea traversii s.l. (incl. A. traversii var. australis) (W, O, T)

Aristotelia fruticosa var. @ (H, A, O, T)

A. serrata (unc W, H, O, T)

A. fruticosa x A. serrata (unc O, unc T)

Ascarina lucida (unc W)

Brachyglottis adamsii (A) (Cheeseman 1884, as Senecio pachyphyllus) [Senecio adamsii]

B. bidwillii var. viridis (A) [Senecio bidwillii var. viridis]

B. grayi var. (a) (incl. B. laxifolia) (H, A, O, T) [Senecio laxifolius]

B. hectorii (unc W, H, unc O, T) [Senecio hectorii]

B. repanda s.s. (W)

B. profundifolia var. (a) (incl. B. buchananii and B. cockaynei) (unc W) [Senecio bennettii]

Carmichaelia cunninghamii var. (a) (W) (C. arborea auct., non Lotus arboreus Forst. f.) [C. arborea]

Carpodetus serratus (W, unc O, T)

Cassinia vauvilliersii (W, H, A, O)

Coprosma atropurpurea (H, A, O) [C. petrici var. atropurpurea]

C. cheesemanii s.s. (H, A)

C. ciliata ssp. ciliata (unc W, H, A, O, T)

C. colensoi s.s. (W, H, O, T)

C. depressa (unc H, A, O, T)

C. foetidissima (W, unc H, O, unc T)

C. grandifolia (W) [C. australis]

C. linariifolia (W, H, O, T)

C. lucida s.s. (W)

C. microcarpa (W)

C. obconica ssp. obconica (W)

C. perpusilla ssp. perpusilla (A, O) [C. pumila in part]

C. propinqua ssp. propinqua (W, H, A, O, T)

C. pseudocuneata ssp. (a) (W, H, A, O, T) (lvs narrower than in ssp. pseudocuneata)

C. thamnoides s.l. (incl. C. polymorpha) (W, O, T)

C. robusta (W)

C. rugosa ssp. rugosa (O)

C. sp. (a) (W, H, O, T) (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; droves usually unpigmented, occasionally purplish red) [C. parviflora in part]

- C. sp. (b) (unc H, O) [C. parviflora var. dumosa sensu Allan 1961]
- C. sp. (d) (H, A, O) (aff. C. pseudocuneata; low-growing shrubs with small thick arcuate lvs) [C. pseudocuneata in part]
- C. sp. (e) (unc H) (aff. C. colensoi; low-growing shrubs with trailing branches) [C. colensoi in part]
- C. sp. (h) (H, A, O) (prostrate shrubs; lvs plano-convex, linear; drupes orange)
- C. cheesemani x C. ciliata (O)
- C. propinqua x C. robusta (unc W, unc A)
- Cofaria arborescens (unc W)
- C. plumosa (unc A)
- Corokia cotoneasta var. cotoneasta (unc H, unc A, unc O)
- Cyathodes dealbata (A, O) [C. pumila]
- C. empetrifolia (unc W, A)
- C. sp. (b) (W) (C. juniperina agg.; lvs usually not less than 1 cm x 1 mm, up to 1.5 cm x 2.5 mm)
- Dracophyllum longifolium var. (a) (incl. D. filifolium and D. diveri) (H, A, O)
- D. longifolium longifolium var. (c) (incl. D. urvilleanum) (W)
- D. pubescens var. pubescens (unc A)
- D. traversii s.l. (incl. D. pyramidale) (W, H, A, O, T)
- D. uniflorum (O)
- D. sp. (a) (H, A) (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) [D. kirkii in part]
- Elaeocarpus dentatus s.l. (incl. E. dentatus var. obovatus) (unc W)
- E. hookerianus (W, H)
- Epactis alpina (A)
- Exocarpus bidwillii (unc H, A, O)
- Fuchsia excorticata (unc O, T)
- F. excorticata x F. perscandens (unc H) [F. colensoi]
- Gaultheria antipoda (unc W, H)
- G. depressa s.s. (A, O)

- G. nubicola (A, O) [Pernettya nana in part]  
G. sp. (a) (W, H, A, O) (described as G. depressa var. novae-zelandiae by Franklin 1962) [G. depressa in part]  
G. antipoda × G. sp. (a) (unc W)  
Griselinia littoralis (W, H, A, O, T)  
Hebe albicans var. albicans (A)  
H. canterburienensis (H, A, O)  
H. ciliolata (A)  
H. cockayneana var. (a) (A)  
H. gracillima (W, H)  
H. haastii var. (a) (H, A, O) (aff. var. humilis; see Moore 1961, p. 940)  
H. maerantha var. brachyphylla (H, A)  
H. ochracea (A, unc O)  
H. salicifolia var. salicifolia (O, T)  
H. tetragona var. (a) (incl. H. coarctata) (A, O)  
H. topiaria (H, A, O, T)  
H. venustula s.l. (incl. H. brachysiphon) (H)  
H. vernicosa (H, A, unc O, T)  
H. sp. (a) (incl. Leonohabe masoniae) (A) [H. paucitamosa var. masoniae]  
H. sp. (j) (unc A) (multi-branched shrubs; lvs to 4 × 1 cm, elliptic-oblong, bright green, upper surface very glossy, margins very minutely serrate; margins of calyx lobes densely ciliate; corolla tube very short, = or < calyx; corolla lobes obtuse; capsule pubescent)  
H. sp. (g) (H, O, T) (aff. H. glaucophylla)  
Hedycarya arborea (W)  
Helichrysum aggregatum var. aggregatum (W) [H. glomeratum]  
H. intermedium var. (a) (H, A, O) [H. Selago var. intermedium in part]  
Hoheria lyallii var. lyallii ⇌ var. (a) (incl. H. glabrata) (O, T)  
H. populnea var. (a) (incl. H. ovata) (W, H)  
Kunzea ericoides agg. (W)  
Laurelia novae-zelandiae (W)



- Leptospermum scoparium (W, unc O)  
Leucopogon fasciculatus var. (a) (W, H) (juvenile lvs not much broader than adult lvs) [Cyathodes fasciculata]  
L. fraseri s.s. (H, A, O) [Cyathodes fraseri]  
L. suaveolens (H, A, O) [Cyathodes colensoi]  
Lophomyrtus obovata (W)  
Macropiper excelsum var. excelsum (W)  
Melicope simplex (W)  
Melicytus obovatus var. obovatus (W, unc H, A, unc O, T) [Hymenanthera obovata]  
M. ramiflorus ssp. ramiflorus (W)  
M. sp. (a) (unc O) (prostrate hermaphrodite shrubs; branches up to 40cm long, often rooting; lvs linear-oblong; fr white)  
M. sp. (f) (H, A, O, T) (aff. M. alpinus; shrubs taller than in M. alpinus, up to 2.4 m; spiny shoots point in all directions with average branch angle of c. 70°, whereas in M. alpinus they tend to point in one direction with an average branch angle of c. 50°; lvs broader than in M. alpinus) [Hymenanthera alpina in part]  
M. obovatus × M. sp. (f) (unc. H)  
Metrosideros umbellata (W, H, unc O)  
Myrsine australis (W)  
M. divaricata s.s. (W, H, A, O, T)  
M. nummularia (H, A, O)  
M. salicina (W)  
Neomyrtus pedunculata (W)  
Nothofagus fusca (W, H, O, T)  
N. menziesii (W, A, H, O, T)  
N. solandri var. cliffortioides (W, H)  
N. truncata (W)  
N. fusca × N. solandri (unc H)  
Olea arborescens (unc W, O, unc T)  
O. avicenniifolia (W, H, A, O, T)  
O. capillaris (unc O, unc T)

- O. colensei var. colensei (unc H)  
O. cymbifolia (H) [O. nummularifolia var. cymbifolia]  
O. lacunosa var. lacunosa (unc W, H, A, O, T)  
O. nummularifolia var. (a) (H, A, O) (lvs oval, rather than sub-  
orbicular as in var. nummularifolia)  
O. rani var. colorata (W)  
O. virgata var. implicita s.l. (incl. O. virgata var. divaricata  
and O. virgata var. laxiflora) (unc C)  
O. arborescens x O. capillaris (unc T)  
O. arborescens x O. lacunosa (unc A)  
Pennantia corymbosa (unc W)  
Pentachondra pumila (H, A, O)  
Pimelea longifolia (unc H, unc O)  
P. creophila (H, A, O) [P. pseudolyallii in part]  
Pittosporum anomalum (H, A, O)  
P. eugenioides (unc W)  
P. patulum (unc O)  
P. rigidum var. (a) (incl. P. crassicaule) (W)  
P. tenuifolium (W, unc H, O, T)  
Pseudopanax anomalum (W, O, T) [Neopanax anomalum]  
P. colensei s.s. (W, H) [Neopanax colensei]  
P. crassifolium (W)  
P. linearis (W)  
P. macintyreii (W, unc H, unc O)  
P. simplex s.l. (incl. P. simplex var. sinclairii) (W, unc H, unc O,  
unc T) [Neopanax simplex]  
P. sp. (a) (W, unc H, unc A, unc O, unc T) (described as P. colensei  
var. ternatus by Wardle 1968) [Neopanax colensei in part]  
Pseudowintera axillaris (W)  
P. colorata (W, H, unc O, T)  
Quintinia serrata s.l. (incl. Q. acutifolia and Q. elliptica) (W)  
Schefflera digitata (O, T)

Sophora microphylla (unc W)  
Strablos heterophylla (unc W) [Paratrophis microphylla]  
Traversia baccharoides (A, O)  
Urtica ferox (unc W, O, T)  
Waiimannia racemosa var. racemosa (W)

#### MONOCOTYLEDONOUS LIANES

Freycinetia banksii (W)  
Ripogonum scandens (W)

#### DICOTYLEDONOUS LIANES AND RELATED TRAILING PLANTS

Clematis foetida (unc W)  
C. forsteri (H, A, unc O, T) [C. australis, C. hookeriana, C. forsteri,  
and C. petrici]  
C. marmoraria (H)  
C. paniculata (W, H, A, O)  
Metrosideros colensoi s.l. (incl. M. colensoi var. pendens)  
(W, O)  
M. diffusa (W)  
M. fulgens (W)  
M. perforata (W)  
Miellaubeckia australis (unc W, O, T)  
M. axillaris (H, A, O)  
M. australis x M. axillaris (O, unc T)  
Parsonsia heterophylla (W)  
Rubus cissoides var. (a) (W, O, unc T) ("form c" of Allan 1961;  
flts broader than in var. cissoides)  
R. parvus (unc T)  
R. schmidelioides var. schmidelioides (W, unc O, unc T)

## PSILOPSIDS AND LYCOPODS

Trimesopteris elongata s.l. (incl. T. elongata ssp. robusta) (W)

T. tannensis (W)

Lycopodium australicum (unc H, A, O, T)

L. fastigiatum (W, H, A, O)

L. scariosum (A, O, T)

L. varium (W, A, unc O)

L. volubile (unc W)

## FERNS

Adiantum cunninghamii (W)

Anarthropteris lanceolata (W)

Asplenium bulbiferum (unc W, T)

A. flaccidum (W, H, A, O, T)

A. hookerianum (W, H, unc O, unc T)

A. lyallii (W, unc H, A, O, T)

A. oblongifolium (unc W, unc O, T)

A. polyodon (unc W)

A. richardii (unc O, T)

A. terrestre ssp. terrestre (unc O, unc T)

A. sp. (a) (unc W, H, A, O, T) (A. trichomanes agg.)

Blechnum chambersii (W, T)

B. discolor (W, unc A, unc O)

B. fluviatile agg. (W, H, O, T)

B. fraseri (W)

B. membranaceum (unc W, unc O, unc T)

B. penna-marina (unc W, H, A, O)

B. procerum (W, H, O, T)

B. vulcanicum (unc W, O)

B. sp. (a) (W) (lowland sp.; lower pinnae reduced in length) [B. sp. 1]

B. sp. (b) (H, O) (mountain sp.; lower pinnae not reduced in length; The Dunedin-Cass Variety" of Crookes 1963) [B. sp. 3]

Botrychium sp.(a) (unc H, unc O) (aff. B. lunata)  
Ctenopteris heterophylla (W)  
Cyathea colensoi (W, H, O, T)  
C. dealbata (W)  
C. medullaris (W)  
C. smithii (W)  
Cystopteris tasmanica (H, A, O, T)  
Dicksonia squarrosa (W)  
Grammitis billardierei (W, H, A, O, T)  
G. ciliata (W)  
G. magellanica ssp. nothofageti (W, A, O, T)  
G. patagonica (unc W, H, A, O, T)  
G. poeppigiana (unc H, A, O)  
Histiopteris incisa (W, O, T)  
Hymenophyllum bivalve (W)  
H. demissum (W)  
H. dilatatum (W)  
H. ferrugineum (unc W)  
H. flabellatum (W)  
H. malingii (unc W, unc O)  
H. multifidum (W, O, T)  
H. pulcherrimum (unc W)  
H. rarum (unc W, O, unc T)  
H. rufescens (unc W)  
H. sanguinolentum agg. (W)  
H. villosum (W, H, A, O, T)  
H. sp. (b) (unc W) (aff. H. flexuosum)  
Hypolepis ambigua (unc W)  
H. millefolium (H, A, O, T)  
H. rufobarbata (T)  
Lastreopsis glabella (unc W)  
L. hispida (unc W)  
Leptolepia novae-zelandiae (W)

Leptopteris hymenophyllodes (W)  
L. superba (W, H, A, O, T)  
L. hymenophyllodes X L. superba (unc W)  
Lindsaea tichomanoides (W)  
Ophioglossum coriaceum (H, A, unc O)  
Paesia scaberula (unc W)  
Pallaea rotundifolia (unc W)  
Phymatosorus pustulatus (W, unc O, T) [P. diversifolius]  
P. scandens (W)  
Pneumatopteris pannigera (W, O, T)  
Polystichum cystostegia (A)  
P. richardii (unc W)  
P. vestitum (unc W, H, A, O, T)  
Pteridium esculantum (unc W)  
Pteris pendula (W)  
P. tremula (unc W)  
Pyrtosia elaeagnifolia (W)  
Sticharis cunninghamii (W)  
Tichomanes reniforme (W)

## MONOCOTYLEDONOUS HERBS

### ORCHIDS

Aporostylis bifolia (A, C, T)  
Caladenia lyallii (A, O)  
Chiloglottis cornuta (H, A, O, T)  
Corybas macranthus (H, A, O)  
C. thilobus (W, H, A, C, T)  
Drymoanthus adversus (unc W)  
Eatina mucronata s.s. (unc W)  
Prasophyllum colensoi (H, A)  
Pterostylis australis (A)  
P. humilis (H, A)

P. itsoniana (unc H, unc O, unc T)

P. oliveri (A, H, O, unc T)

P. venosa (unc W)

P. sp. (a) (unc A, unc O) (aff. P. cycnocephala)

P. sp. (d) (unc H) (aff. P. montana)

Thelymitra hatchii (unc H, A)

T. sp. (undetermined) (unc W)

## GRASSES

Agrostis dyeri s.s. (A, O)

A. muelleriana (unc A, O)

A. personata (unc A, T)

A. sp. (b) (unc H, A) (aff. A. dyeri but panicle not contracted)  
[A. dyeri in part]

Chionochloa australis (A, O) [Danthonia australis]

C. cheesemaniae (W, unc H) [Danthonia raoulii var. cheesemaniae]

C. conspicua ssp. conspicua (unc W, unc H, A, O, T) [D. cunninghamii]

C. pallens ssp. pallens (H, A, O, T) [Danthonia raoulii in part]

C. sp. (a) (unc H, A, O) (C. flavescens auct. South Island, non  
C. flavescens Zotov; If blade green on abaxial surface,  
glaucous on adaxial surface, wide, strap-like, without  
midrib, or with faint midrib on abaxial surface only)  
[Danthonia raoulii var. flavescens in part]

C. pallens X C. sp. (a) (unc H)

Deschampsia novae-zelandiae (incl. D. chapmanii?) (O)

D. tenella (unc H, A, T)

Deyeuxia aucklandica (unc A, O) [D. setifolia]

D. avenoides s.l. (incl. D. avenoides var. brachyantha) (unc H)

Elymus enysii (C, T) [Agropyron aristatum]

E. harduroides (unc C, T) [Asperella gracilis]

E. sp. (a) (H, A, C) (aff. E. rectisetus; plants usually glaucous; If blade  
usually flat, up to 5mm wide; awns 4-6cm long) var. (a) (culms  
erect or ascending) [Agropyron scabrum in part]

Festuca sp. (a) (H, unc O) (slender, tufted, green or glaucous-green plants with setaceous lvs) [F. rubra in part]

F. sp. (b) (H, A, O, T) (aff. F. matthewsii; plants tufted but not tussock-forming)

Hierochloa novae-zelandiae (A, O)

H. recurvata (unc H, A) [H. fraseri var. recurvata]

Koeleria cheesemanii (unc H, unc A) [Trisetum cheesemanii]

K. sp. (a) (O) K. novozelandica agg.; plants rhizomatous; lvs narrow, channelled) [K. kurtzii in part]

Lachnagrostis lyallii s.s. (incl. L. filiformis var. semiglabra) (W, H, A, O, T) [Deyeuxia forsteri var. semiglabra]

Microlaena avenacea (W, O, T)

M. colensoi s.s. (A, O) [Ehrharta colensoi]

Poa breviglumis (H, A, O, T) [P. imbecilla var. breviglumis]

P. celsa (A) [P. kirkii in part]

P. cita ssp. cita (A, O, T) [P. caespitosa]

P. colensoi (H, A, O, T)

P. imbecilla (H, A, O, T)

P. kirkii (A, O)

P. matthewsii (T) [P. imbecilla var. matthewsii]

P. pusilla (unc A, unc O) [P. pusilla and P. seticulmis]

P. subvestita (A, unc O) [P. novae-zelandiae var. subvestita]

Rytidosperma buchananii (unc C) [Danthonia buchananii]

R. gracile (H, C) [Danthonia semiannularis in part]

R. setifolium (H, A, C, T) [Danthonia semiannularis var. setifolia]

Simplicia buchananii (unc A, unc O, unc T)

Trisetum youngii (unc H, A, O)

T. sp. (a) (H, A, O, T) (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) [T. antarcticum in part]

T. sp. (b) (H, A, O) (described as T. antarcticum ssp. tenellum by Patric 1912) [T. antarcticum var. tenellum]



T. sp. (c) (H, A, O) (aff. T. antarcticum; plants robust; lf sheath glabrous at least in upper part; lf blade flat, up to 7mm wide, margins scabrid, usually with some hairs near ligule) [T. antarcticum in part]

T. youngii X T. sp. (b) (?) (A)

## SEDGES

Carex aciculatis s.l. (incl. C. allanii) (A, O)

C. breviculmis (H, unc O)

C. colensoi (unc A)

C. comans (unc A, O, T)

C. dissita s.s. (unc O, T)

C. echinata (A)

C. enysii (H, unc A, unc O)

C. flagellifera (unc H)

C. forsteri (unc T)

C. gaudichaudiana (A, O)

C. kirkii (A) (Cockayne and Allan, 1934)

C. libera (A)

C. pyrenaica var. cephalotes (A, O)

C. sinclairii (O, T)

C. solandri (O, T)

C. trachycarpa (A, O)

C. wakatipu (unc H, A, O, T)

C. sp. (a) (O, T) (aff. C. testacea but lvs broader, usually reddish, and utricles margins not scabrid) [C. testacea in part]

C. sp. (b) (H) (tufts up to 30cm 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)

C. sp. (c) (H) (tufts up to 30cm tall in open, occasionally up to 90cm 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)

C. sp. (d) (O, T) (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) [C. geminata in part]

C. sp. (f) (H, A, O) (aff. C. wakatipu but spikes not closely packed except in small plants; utricles dark brown to black)

C. sp. (k) (H, A) (stigmas 3)

Carpha alpina s.s. (A)

Gahnia pauciflora (W)

G. procerata (W)

Isolepis aucklandica (O) [Scirpus aucklandicus]

I. habra (unc H, unc O, unc T) [Scirpus habrus]

Oreobolus pectinatus (A, O)

Schoenus apogon s.l. (incl. S. apogon var. caespitosus)

S. pauciflorus s.s. (H, A, O)

Uncinia astricta (W, unc T)

U. caespitosa (H, A, unc O, T)

U. clavata (H, O, T)

U. divaricata (H, A, O, T)

U. ducei (unc A)

U. ferruginea (unc C, unc T)

U. filiformis (W, H, A, O, T)

U. fuscovaginata var. (a) (H, A, O) (plants glaucous)

U. gracilanta (W, O, T)

U. involuta (H)

U. laxiflora (W, H)

U. longifruetus (unc O, unc T)

U. rupestris s.l. (incl. U. angustifolia) (W, H, O, T)

U. silvestris s.l. (incl. U. affinis) (W, H, A, O, T)

U. uncinata (W, O, T)

U. viridis (H)

U. zotovii (W)

U. sp. (b) (H, A, O, T) (U. affinis sensu Hamlin 1959, non U. riparia  
var. affinis Clarke; see Nooteboom 1978)

## RUSHES AND ALLIED PLANTS

Juncus antarcticus (uncO)

J. novae-zelandiae (A, O)

Luzula colensei (uncO)

L. migrata (H, A, O) [L. banksiana var. migrata]

L. picta s.s. (W, H)

L. pomila (A, uncO)

L. tufa s.s. (A, O)

L. subclavata (T) [L. picta var. pallida]

L. sp. (a) (H, A, O, T) [L. picta var. limosa]

L. sp. (b) (A, O) [L. chinita var. petricana]

L. sp. (c) (H) (aff. L. tufa but plants stoloniferous and  
infl head smaller) [L. tufa in part]

L. colensei X L. migrata (uncO)

Marsippospermum gracile (A)

## MONOCOTYLEDONOUS HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES AND ALLIED PLANTS

Anthropodium candidum (A, O, uncT)

Astelia fragrans (W)

A. graminea (H, A, O)

A. linearis s.l. (incl. A. linearis var. novae-zelandiae) (A, O)

A. nervosa s.s. (A, O)

A. nivicola s.s. (A, uncO)

A. petriei (A, O)

A. trinervia (W)

A. sp. (a) (W, A, unc O, T) [A. nivida var. moiceae]  
A. sp. (b) (W, H, A, O, T) (aff. A. nervosa but lvs broader and not  
 conspicuously white adaxially) [A. nervosa in part]  
Bulbinella hookeri (M, O, T)  
CollospERMUM hastatum (unc W)  
Dianella nigra (W)  
Libertia grandiflora (W, H)  
L. lxioides (unc O)  
L. peregrinans (M, unc T)  
L. pulchella (W)  
Luzuriaga parviflora (W, A, unc O)  
Phormium cookianum (W, H, A, O, T)

## DICOTYLEDONOUS HERBS

### COMPOSITES

Abrotanella caespitosa (O)  
A. linearis s.l. (incl. A. linearis var. novae-zelandiae) (M, T)  
Anaphalis sp. (a) (W, H, A, O, T) [Helichrysum bellidioides ss.]  
Brachyglottis lagopus var. (a) (H, A, O) (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 & may and up almost glabrous) [Senecio lagopus]  
Brachyscome longiscapa (O)  
B. radicata (H, A, O, T)  
B. sinclairii s.s. (H, A, O)  
Celmisia bellidioides (A, unc O)  
C. gracilentia ssp. (a) (H, unc A, unc O) (plants tufted; lvs  
 narrowly linear, with recurved margins)  
C. hieracifolia ssp. hieracifolia (A)  
C. incana s.l. (incl. C. discolor) (A, O)  
C. laticifolia (A, O)  
C. montoi ssp. (a) (H, A, O, T) [C. cotiacea var. semicordata]  
C. sessiliflora (A, O)

C. sinclairii (O)

C. spectabilis ssp. spectabilis (H, A, O)

C. traversii (A)

C. sp. (a) (aff. C. gracilentata; plants tufted; lvs linear to linear-lanceolate, up to 45 x 1.2 cm) ssp. (a) (O, T) (upper surface and margins of lf thinly covered in tomentum; lower surface densely covered) [C. gracilentata in part]

C. sp. (b) (A, O) (aff. C. gracilentata; plants strongly rhizomatous) [C. gracilentata in part]

C. gracilentata x C. monrei (unc H)

C. gracilentata x C. spectabilis (unc H)

C. monrei x C. spectabilis (H)

C. sassiliflora x C. spectabilis (unc A) (Given 1984)

C. sassiliflora x C. traversii (unc A)

Craspedia sp. (a) (H, A, O) (summer-green plants in wet and dry flushes including screes; lvs white or greenish white; both surfaces densely clad in cottony hairs that mat together to form a felt closely appressed to the lf surface; beneath the felt both surfaces are densely clad in minute glandular hairs; fls white) [C. lanata var. elongata]

C. sp. (b) (H, A, O) (summer-green plants, usually on limestone cliffs or in calcareous soils; lvs green, elliptic-spathulate; both surfaces densely clad in short glandular hairs; midrib with or without long multicellular non-glandular hairs; lf margins ± faintly white with cottony hairs; fls white)

C. sp. (c) (A, O) (summer-green plants in bogs and in moist herbfields and tussock lands; lvs green, lamina narrowing gradually to long petiole; both surfaces clad in long multicellular non-glandular hairs, with or without cottony tips, overtopping short glandular hairs; margins faintly to distinctly white with cottony hairs; fls white)

C. sp. (hh) (O) (summer-green plants at foot of limestone cliffs; lvs green, narrowing abruptly to long slender petiole; fls white)

- Dolichoglottis lyallii (O) [Senecio lyallii]  
Gnaphalium audax (unc W, unc H, O) [G. collinum in part]  
G. gymnocephalum (unc W) [G. collinum in part]  
G. latatale (unc O) [G. paludosum in part]  
G. mackayi ss. (unc H, A, O) [G. traversii in part]  
G. rauhnicum (unc H, A, O, T) [G. collinum in part]  
G. traversii (unc H)  
G. audax × G. traversii (unc H)  
Helichrysum filicaule (unc H, A)  
Lagenifera cuneata (unc H)  
L. petiolata (O, T) [L. pumila var. multidentata]  
L. pinnatifida (H, A, T)  
L. pumila (unc W, H, A, T)  
L. strangulata (H, O, T) [L. petiolata]  
L. pinnatifida × L. pumila (unc H)  
Leptinella pyrethriifolia agg. (A, O) [Cotula pyrethriifolia]  
L. sp. (b) (A, O, T) (included in L. squalida, as ssp. mediana, by Lloyd and Webb, 1987) [Cotula squalida in part]  
Leucogenes grandiceps (A)  
Microseris scapigera (H, A, O)  
Pseudognaphalium sp. (a) (W) (aff. P. luteoalbum; lvs mostly linear-spathulate to linear, acute) [Gnaphalium luteoalbum in part]  
P. sp. (b) (A, O, T) (aff. P. luteoalbum; lvs mostly oblong-spathulate to narrowly oblong, rounded) [Gnaphalium luteoalbum in part]  
Raoulia apicinigra ss. (H, A, O) [R. hookeri var. apicinigra in part]  
R. glabra (unc W, H, O)  
R. grandiflora var. grandiflora (O)  
R. subsaricea (unc H)  
R. tenuicaulis s.l. (incl. R. tenuicaulis var. dimorpha and R. tenuicaulis var. pusilla (unc O, T)

Senecio glaucophyllus ssp. glaucophyllus (unc H, A, O, T)  
S. rufiglandulosus ssp. rufiglandulosus (unc C, unc T) [S. silandri  
var. rufiglandulosus]  
S. waitavensis (A, O, T) [Eraditites waitavensis]  
Taraxacum magellanicum (unc H, A, O)  
Vittadinia australis agg. (unc H)

#### DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

Acaena anserinifolia (W, O, T) [A. anserinifolia, A. pusilla,  
A. pusilla var. supraseticascens, and A. vitidior]  
A. fissistipula (A, O)  
A. profundeincisa (H, A, O) [A. anserinifolia var. sericeitens  
and A. anserinifolia var. paucidentis]  
A. saccaticupula (unc O)  
Aciphylla anomala (A)  
A. aurea (?) (unc H)  
A. ferox (A, O)  
A. glaucescens ss. (A, O)  
A. ferox X A. glaucescens (unc A, unc O)  
Anemone tenuicaulis (A)  
Anisotome aromatica (H, A, T) [A. aromatica vars. aromatica,  
flabellifolia, incisa, major, obtusata & pinnatisecta]  
A. deltoidea (A)  
A. filifolia (H, A, O)  
A. flexuosa var. flexuosa (unc O)  
A. haastii (A)  
A. pilifera (unc H, A, O, T)  
A. sp. (b) (A) (described as A. imbricata var. prostrata by  
Dawson 1961)  
Cardamine sp. (a) (A) (aff. C. corymbosa)  
C. sp. (b) (H, A, O, T) (C. debilis agg.; "Long Style" of Pritchard 1957)  
C. sp. (c) (A, O) (C. debilis agg.; "Narrow Petal" of Pritchard 1957)  
C. sp. (d) (O, T) (C. debilis agg.; "Glossy Leaf" of Pritchard 1957)  
C. sp. (e) (A, O) ("Tussock Race" of Pritchard 1957)

- C. sp. (f) (H, A, O) (lvs mostly simple, occasionally with up to two pairs of pinules; blades  $\pm$  reniform)
- C. sp. (h) (O) (C. debilis agg.; fls small or large, 3-10 mm diam.; capsules usually minutely hairy)
- C. sp. (i) (A, O) ("Scree Race" of Pritchard 1957)
- C. sp. (j) (unc O, unc T) ("Slender var." of Allan 1961)
- C. sp. (undetermined) (unc W) (C. debilis agg.)
- Choesemania latisiliqua s.l. (incl. C. gibbsii) (unc H, A, O)
- Chionohebe ciliolata ssp. (b) (A) [Pygmea ciliolata var. pumila]
- C. pulvinatis (O) [Pygmea pulvinatis]
- Colobanthus affinis (H, A, O, T)
- C. apetalus s.l. (incl. C. apetalus var. alpinus) (unc H, A, O, T)
- C. canaliculatus s.s. (H?, A, O)
- C. squarrosus (O) [C. canaliculatus in part]
- C. strictus (H, A, O)
- C. wallii s.l. (incl. C. masoniae) (H, A, O)
- C. sp. (b) (H, A, O) (lvs and sepals strongly aciculate; lvs unbordered; sepals 5, broader than lvs, without a thickened midrib)
- Crassula sinclairii (unc O) [Tillaea sinclairii]
- Dioscorea spathulata (A)
- D. stenopetala (A)
- Epilobium alsinoides s.s. (unc H, O, T) [E. alsinoides and E. thymifolium]
- E. atriplicifolium s.s. (H) [E. alsinoides in part and E. novae-zelandiae]
- E. brunnescens s.s. (A, O) [E. pedunculare var. brunnescens]
- E. chlorifolium (H, A, O)
- E. cockayneanum (unc H, A)
- E. elegans (H, O)
- E. glabellum s.s. (H, A, O) [E. tubescens and E. glabellum]
- E. gracilipes (H, A, O, T) [E. gracilipes and E. gracilipes var. concinnum]



- E. komarovianum (unc H, O) [E. netteroides and E. netteroides  
 var. minimum]  
E. linnaeoides (H, O, T)  
E. mactopus (O)  
E. netteroides (O, T) [E. pedunculare var. viride]  
E. nummularifolium (unc W, H)  
E. pernitens (A, unc O)  
E. pubens (H, A, O, T) [E. pubens and E. pubens var. strictum]  
E. pycnostachyum (unc O)  
E. rotundifolium (unc W, O, T)  
E. tasmanicum (A, O)  
E. tenuipes s.s. (H)  
E. vernicosum (H, A, O)  
E. sp. (a) (H, A, O, T) (included in E. brunnescens, as ssp.  
minutiflorum, by Raven and Engelman, 1971) [E. ped-  
unculare var. minutiflorum]  
E. glabellum x E. vernicosum (unc O)  
Euphrasia cheesemani (A, O, T)  
E. townsonii (A, O)  
E. zelandica agg. (O)  
E. sp. (e) (H, A, O) (aff. E. laingii) [E. laingii in part]  
E. sp. (f) (A) (aff. E. townsonii)  
Forstera mackayi (A)  
F. sedifolia s.s. (A, O)  
F. tenella (A, O)  
Galium perpusillum ss. (H, O)  
G. trilobum (O, T) [G. tenuicaule]  
Gentiana bellidifolia (H, A, O)  
G. filipes (H, A, O)  
G. gracilifolia s.l. (incl. G. vernicosa) (A)  
G. grisebachii (O)  
G. tenuifolia (unc H, O)

G. sp. (a) (O) (aff. G. bellidifolia; plants perennial, forming small to large patches; stems decumbent; lvs very glossy, ± folded, tips ± deflexed; fls large, creamy white)  
[G. bellidifolia in part]

G. sp. (g) (unc H, A, O) (aff. G. corymbifera, but stems usually multi-branched)

Geranium sessiliflorum var. novae-zeelandiae (H, A, O)

G. sp. (c) (H, A, O) (aff. G. microphyllum) [G. microphyllum in part]

Geranium leucospermum (A, unco)

G. sp. (e) (A, O) (G. parviflorum agg.; stock short; terminal flt about as long as broad; fls up to 13 mm diam)

[G. parviflorum in part]

Gingidia decipiens (H, A, O) [Angelica decipiens]

G. montana (unc H, A, C, T) [Angelica montana]

G. decipiens X G. montana (unc O)

Gunnera monoica (A) [G. albocarpa, G. monoica, and G. strigosa]

Hydrocotyle elongata (unc C, T)

H. heterometria (O, T) [H. americana var. heterometria]

H. microphylla (H, A)

H. moschata (unc W, H, O, T)

H. novae-zeelandiae s.s. (unc A, unc C)

H. sp. (u) var. (a) (A, O, unc T) [H. novae-zeelandiae var. montana]

Kellera croizatii (A, O) [Drapetes lyallii in part]

K. dieffenbachii (H, A, O) [Drapetes dieffenbachii]

K. laxa (H, A, O) [Drapetes laxus]

K. multiflora (A, unco) [Drapetes multiflorus]

Lilaeopsis ruthiana (unc O)

Mazus radicans (unc A, unco)

Mentha cunninghamii (unc O, T)

Montia fontana s.s. (O)

Myosotis angustata (A, unco)

M. arnoldii (H)

M. brockiei (A) (Moore and Simpson, 1973)

M. concinna (O)

M. forsteri (unc W, unc O, unc T)

M. macrantha (A)

M. pygmaea s.s. (unc H)

M. sp. (b) (unc H, A, O, T) (M. australis agg.; fls small, white)

M. sp. (c) (H, A, O) [M. pygmaea var. drucei]

M. sp. (e) (unc H) (M. australis agg.; fls yellow)

Myriophyllum propinquum (unc O)

Neopaxia sp. (e) (A) (lvs spatulate, up to 15mm long; fls 6mm diam.; calyx lobes broad, obtuse; corolla lobes rounded cucullate)

Nertera balfouriana (A)

N. ciliata (A, O)

N. depressa s.l. (incl. N. cunninghamii) (W, T)

N. sp. (a) (W, O, T) (aff. N. dichondrifolia but hairs present on both surfaces of lf, straight, not hooked) [N. dichondrifolia in part]

Notothlaspi sp. (b) (unc H, A, O) (N. australe auct., non Thlaspi australe Hook. f.) [N. australe]

Oreomyrrhis colensoi s.s. (incl. O. colensoi var. hispida and O. colensoi var. multifida) (H, A, O)

O. sp. (d) (H, A, O, T) (aff. O. ramosa) [O. ramosa in part]

Oreopercanthera alpina (H, A, O) [Poranthera alpina]

Oxysia caespitosa ssp. caespitosa (A, unco)

O. lactea ssp. lactea (W, H, A, O, T) [O. macrophylla var. lactea]

O. simpsonii (A) [O. sessilifolia var. simpsonii]

Oxalis magellanica (W, A, O, T) [O. lactea]

Parahobe linifolia ssp. linifolia (unc H, A, O, T)

Phyllachne clavigera s.l. (incl. P. colensoi) (A, O)  
Plantago lanigera / P. novae-zelandiae (A, O)  
Pizoulii (A, O, T)  
P. uniflora (A, O)  
Potentilla anserinoides (unc O)  
Protia angulata agg. (A, O, T)  
P. macrodon s.s. (A)  
Psychrophila novae-zelandiae (A) [Caltha novae-zelandiae]  
Ranunculus altus (unc H, O) [R. hirtus in part]  
R. foliosus (A, O, T) [R. foliosus, R. insertus, and R. perrectus]  
R. gracilipes (O) [R. gracilipes and R. sinclairii]  
R. insignis (H, A, O, T) [R. insignis, R. lobulatus, and R. montei]  
R. membranifolius (W, unc H, A, O, T) [R. hirtus in part]  
R. mitis (A) [R. hirtus in part]  
R. reflexus (unc W, A) [R. hirtus in part]  
R. verticillatus (unc H, A, O) [R. clivalis]  
R. sp. (C) (A, O) (described as R. lappaceus var. macrophyllus by Kirk 1899) [R. lappaceus in part]  
R. gracilipes X R. insignis (unc O)  
Rumex flexuosus (unc T)  
Schizelima colensoi (H, unc O, unc T)  
S. reghii (unc O)  
S. trifoliolatum (unc O)  
S. sp. (A) (H, A) (described as S. haastii ssp. cyanopetalum by Domin 1908) [S. haastii var. cyanopetalum]  
Scleranthus brackleyi (H, A, O)  
S. uniflorus (H, A, O)  
Starkhousia minima (unc H, A, unc O)  
Stellaria decipiens (unc W, H, A, O, T)  
S. gracilentata (A)  
Urtica incisa (unc W, H, A, O, T)

Viola cunninghamii (H, A, O)

V. filicaulis (W, O, T)

V. lyallii (A, O, T)

Wahlenbergia albomarginata var. albomarginata s.l. (incl. W. breckicii and W. pygmaea var. laxa) (H, O)

No. of indigenous species listed for each area:

Walker Ridge (W) : 220

Crusader-Floaty Head (H) : 241

Arthur-The Twins (A) : 297

Owen (O) : 363

"Turks Cap" (T) : 184

### ADVENTIVE PLANTS (c. 44 SPECIES)

#### MONOCOTYLEDONOUS HERBS

##### GRASSES

Agrostis capillaris (W, H, O)

Anthoxanthum odoratum (T)

Dactylis glomerata (unc H, O, T)

Festuca arundinacea s.l. (unc O)

F. nigrescens (unc O)

Holcus lanatus (unc O, T)

Poa annua (unc W, unc O, T)

P. pratensis (H, A, O, T)

##### SEDGES

Carex ovalis (unc O)

## RUSHES

Juncus articulatus (O)

J. tenuis (unc O)

## DICOTYLEDONOUS HERBS

### COMPOSITES

Cirsium arvense (O, T)

C. vulgare (unc W, unc H, O, T)

Crapis capillaris (O)

Hieracium lepidulum (O)

H. pilosella (O)

H. prealtum (unc O)

H. sp. (undetermined) (unc H)

Hypochaeris radicata (unc W, H, O)

Leucanthemum vulgare (O)

Mycelis muralis (unc W, H, O, T)

Senecio jacobaea (O)

S. vulgaris (unc O)

Senchus asper (Ball 1973) (O)

Taraxacum officinale sl. (A, O, T)

### DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

Aplauus arvensis s.s. (O)

Arenaria serpyllifolia (O)

Capsella bursa-pastoris (O)

Cerastium fontana ssp. vulgare (unc W, H, A, O, T)

C. glomeratum (Ball 1973) (O)

Digitalis purpurea (unc W, O, T)

Geranium melle (O)

Linum catharticum (unc W, H, O)

Mimulus moschatus (unc O)

Myosotis arvensis (O)

Prouella vulgaris (unc O, T)  
Ranunculus repens (unc O)  
Rumex acetosella (unc H, O)  
R. sp. (undetermined) (T)  
Sagina procumbens (unc W, H, O, T)  
Stallaria media (unc O)  
Trifolium dubium (unc H)  
T. repens (H, A, O, T)  
Veronica arvensis (O)  
V. serpyllifolia (O)

Doubtful records: Veronica agrestis (Bell 1973) (O)  
V. polita (1973) (O)

No. of adventive species listed for each area:

Walker Ridge (W) : 9  
Crusader-Hoary Head (H): 13  
Arthur-The Twins (A) : 4  
Owen (O) : 4  
"Turks Cap" (T) : 15

RECORDS NOT ACCEPTED

DICOTYLEDONOUS TREES AND SHRUBS

Coprosma cuneata (Townson 1907)

C. repens (Townson 1907)

Hebe armstrongii (Townson 1907 and Cheeseman in Bell 1973,  
as Veronica armstrongii)

H. epactidea (Cheeseman 1925, as Veronica epactidea)

Helichrysum depressum (Cheeseman in Bell 1973, as  
Ozothamnus depressus)

H. coralloides x H. parvifolium (Bell 1973, as H. selago)

Meliccytus alpinus (Bell 1973, Table 1, as Hymenanthera alpina)

Pimelea quida (Cheeseman in Bell 1973)

P. lyallii (Cheeseman in Bell 1973)

#### MONOCOTYLEDONOUS HERBS

##### ORCHIDS

Pterostylis tristis (Bell 1973, as P. mutica)

##### GRASSES

Festuca multinodis (Bell 1973)

Lachnagrostis richardii (Bell 1973)

Poa acicularifolia (Cheeseman 1925, and Bell 1973; see Edgar 1986)

P. foliosa (Buchanan 1880)

P. novae-zelandiae (Bell 1973)

##### SEDGES

Carex hirkii x C. trachycarpa (Cockayne and Allan, 1934)

C. testacea (Bell 1973)

##### RUSHES

Luzula banksiana (Bell 1973, Table 1)

#### DICOTYLEDONOUS HERBS

##### COMPOSITES

Brachyglottis bellidioides (Bell 1973, as Senecio bellidioides)

Craspedia alpina (Cheeseman in Bell 1973)

C. lanata (Bell 1973)

C. uniflora (Bell 1973)

Leptinella squalida (Bell 1973, as Cotula squalida)



DICOTYLEDONOUS HERBS OTHER THAN COMPOSITES

Aciphylla hookeri (Bell 1973, as A. townsonii)

A. lyallii (Cheeseman in Bell 1973)

A. squarrosa (Cheeseman in Bell 1973)

Chionohabe densifolia (Kirk 1896, as Veronica dasyphylla;

Allan 1961, as Parahabe tetragona)

Colobanthus buchananii (Bell 1973, Table 1)

Epilobium rubromarginatum (Bell 1973)

E. wilsonii (Raven and Raven, 1976)

Euphrasia australis (Bell 1973)

E. montei (Bell 1973)

E. revoluta (?) (Cheeseman in Bell 1973)

Gentiana corymbifera (Bell 1973, Table 1)

Geranium microphyllum (Bell 1973, Table 1)

Myosotis lyallii (Cheeseman in Bell 1973, as Exharrhena lyallii)

Myriophyllum robustum (Crichard 1979)

Notothlaspi australe (Townson 1967, as N. rosulatum, and Bell 1973)

Oreomyrrhis ramosa (Bell 1973)

Ranunculus brevis (Bell 1973, as R. depressus)



Phyllocladus sp. (a)

Aristotelia fruticosa var. (a)

Coprosma pseudocuneata ssp. (a)

C. sp. (b)

C. sp. (d)

C. sp. (e)

C. sp. (h)

Cyathodes sp. (b)

Diacophyllum sp. (a)

Hebe cochayneana var. (a)

H. haastii var. (a)

H. sp. (j)

H. sp. (H)

Helictysum intermedium var. (a)

Leucopogon fasciculatus var. (a)

Melicytus sp. (a)

M. sp. (F)

Olearia nummularifolia var. (a) (CHR 131719)

Rubus cissoides var. (a)

Asplenium sp. (a)



Blechnum sp.(a)

B. sp.(b)

Botrychium sp.(a)

Hymenophyllum sp.(b)

Pterostylis sp.(a)

Agrostis sp.(b)

Chionochloa sp.(a)

Elymus sp.(a)

Festuca sp.(a)

F. sp.(b)

Koeleria sp.(a)

Trisetum sp.(a)

T. sp.(c)

Carex sp.(a)

C. sp.(b)

C. sp.(c)

C. sp.(d)

C. sp.(f)

C. sp.(k)

Uncinia sp.(b)

Luzula sp.(c)

Astelia sp.(b)

Brachyglottis lagopus var.(a)

Cetmisia gracilentia var.(a)

C. sp.(a)

C. sp.(b)

Craspedia

← P. sp.(d).

→ C. sp.(a)

x

Pseudognaphalium sp.(a)

P. sp.(b)

Cardamine sp.(b)

C. sp.(c)



C. sp. (d)  
C. sp. (e)  
C. sp. (f)  
C. sp. (h)  
C. sp. (i)  
C. sp. (j)  
C. sp. (undetermined)  
Colobanthus sp. (b)  
Euphrasia sp. (e)  
E. sp. (l)  
Gentiana sp. (a)  
G. sp. (g)  
Geranium sp. (c)  
Geum sp. (a)  
Myosotis sp. (b)  
M. sp. (e)  
Neopaxia sp. (e)  
Nartea sp. (e)  
Notothlaspi sp. (b)  
Oreomyza sp. (d)

\* voucher not collected from marble areas, but from elsewhere in NW Nelson mountains

