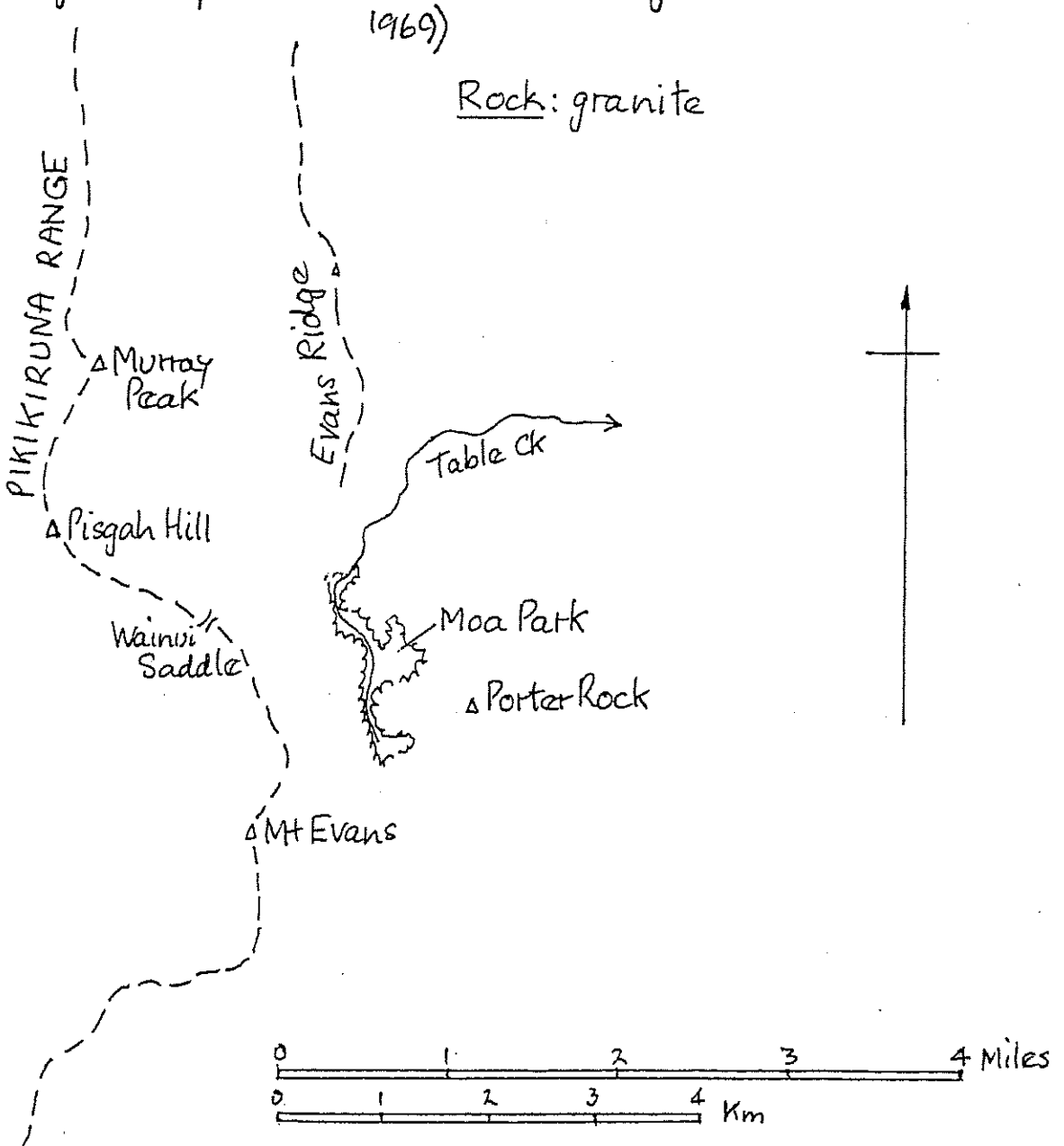


HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF MOA PARK AND SURROUNDING HIGH COUNTRY, ABEL TASMAN NATIONAL PARK, 910-1155M / 3000-3800 FT

†Grid ref. S8 32-70-

Bios. G. R.: S8 320 700

A.P. Druce, Botany Division, D.S.I.R., June 1972
 (revised June 1974, July 1975, May 1976, May 1977,
 Aug. 1978, July 1979, Mar 1980, June 1982, Sept. 1982,
 March 1983, June 1983, June 1984, May 1985,
 July 1985, Oct. 1986, May 1987, Oct. 1988, Sept. 1990, June 1991, Aug. 1992)
 (Based on visits May 1968 and January 1969)
 (Originally published in Bull. Wellington Bot. Soc. 36:24-31,
 1969)



- * - voucher specimen in CHR (Bot. Div. Herbarium, Lincoln)
- F - common in forest
- (F) - uncommon in forest
- C - common in clearing
- (C) - uncommon in clearing

INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

- Halocarpus bidwillii C
- Libocedrus bidwillii F
- Phyllocladus sp. (unnamed; aff. P. alpinus) FC
- Podocarpus hallii F

MONOCOT TREES

- Cordyline indivisa (F)

DICOT SHRUBS

- Archaea traversii (incl. A.t. var. australis) (F)
- * Brachyglottis bidwillii var. viridis (C)
- * B. rotundifolia var. (incl. B. buchananii and B. cockaynei) (F)(C)
- * Cassinia vauvilliersii C

DICOT TREES

- * Dracophyllum traversii (incl. D. pyramidale) F(C)
- Griselinia littoralis F(C)
- Metrosideros umbellata F
- Nothofagus fusca F
- N. menziesii F(C)
- N. solandri var. cliffortioides F(C)
- * Pseudopanax colensoi s.s. (F)(C) (rare)
- * P. simplex (incl. P.s. var. sinclairii) F
- Quintinia serrata (incl. Q. acutifolia and Q. elliptica) F
- Weinmannia racemosa var. racemosa (C) (rare)

- * Coprosma cheesemanii s.s. C
- C. colensoi s.s. (F)
- C. foetidissima F
- * C. pseudocuneata ssp. F (C)
- * C. sp. (i) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman) C
- C. sp. (ii) (unnamed; included in C. parviflora by Oliver, 1935, and others) (If undersurface not minutely hairy as is usual in C. parviflora; drupes vs. unpigmented, occ. purplish red)
- Cyathodes empetrifolia C
- C. sp. (C. juniperina agg.) (C)

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

Epacris alpina C

* *Gaultheria antipoda* (F)(C)

* *G. depressa* s.s. C

* *G. macrostigma* (C)

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

* *G. sp.* X *G. antipoda* (F)(C)

* *G. sp.* X *G. macrostigma* (C)

* *Hebe odora* s.s. C

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

Leptospermum scoparium
(F) C

Leucopogon fasciculatus var. F

L. fraseri s.s. C

L. suaveolens (incl. *Cyathodes colensoi*) (C)

Myrsine divaricata s.s. F (C)

Olearia arborescens (F)

O. ilicifolia (F)

* *O. lacunosa* var. *lacunosa* (F) C

* *O. arborescens* X *O. lacunosa* (F)

* *O. ilicifolia* X *O. lacunosa* C

Pentachondra pumila C

* *Pimelea prostrata* C

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

Pseudopanax anomalus F

Pseudowintera colorata F

DICOT LIANES

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

LYCOPODS

Lycopodium australianum (C)

L. fastigiatum (F) C

L. scariosum (F) C

L. varium (incl. *L. billardierei* and *L. novae-zelandicum*) (F)

FERNS

Asplenium flaccidum F

Blechnum discolor (F)

B. fluviatile agg. F

B. penna-marina (F) (C)

B. procerum F

Cyathia colensoi F

Grammitis magellanica ssp. *nothofageti* (F)

* *G. poeppigiana* (C) (rare)

Histiopteris incisa F

Hymenophyllum malingii F

* *H. multifidum* FC

H. latum (F)

* *H. rufescens* (F)

H. villosum F

Hypolepis millefolium F

Leptopteris hymenophylloides (F)

L. superba (F)

Polystichum vestitum (F)

ORCHIDS

- Adenochilus gracilis (F)
- Aporostylis bifolia (F)(C)
- * Caladenia lyallii (C)
- Chiloglottis cornuta F
- Corybas macranthus (F)
- Gastrodia cunninghamii (F)
- Prasophyllum colensoi C
- Pterostylis venosa (C)
- * Thelymitra cyanea (C)
- * T. hatchii C
- * T. longifolia (C)
- * T. pulchella C
- * T. formosa (C)

GRASSES

- * Agrostis dyeri agg. (C)
- A. muscosa C
- * A. personata (F) C
- * Chionochloa cheesemanii (F)
- * C. rubra ssp. occulta C
- * C. australis x C. rubra (C) (rare)
- * C. cheesemanii x C. rubra (C)
- * C. rubra x C. sp. (C) (rare)
- * Deschampsia tenella (F)
- * Deyeuxia aucklandica (C) (rare)
- * D. avenoides (incl. D. a. var. brachyantha) C

* Hierochloa novae-zelandiae C

- Microlaena avenacea F
- * Poa breviglumis (F)
- * P. colensoi C
- * P. maia (F)
- * Rytidosperma australe (C)
- * R. gracile (F) C
- * R. nigricans C

SEDGES

- * Carex dissita s.s. F, C
- * C. echinata var. (C. stellulata var. australis) C
- * C. gaudichaudiana C
- * C. kirki (incl. C. k. var. elatior) (C)

- * C. libera (C)
- * C. sinclairii C
- * C. sp. (Sect. Acutae) (F) C
- Carpha alpina ss. C
- Gahnia procera F (C)
- * Isolepis caligenis (C)
- * I. habra F
- * I. subtilissima C
- Oreobolus pectinatus C
- O. strictus C
- * Uncinia astonii F
- * U. egmontiana C
- U. filiformis F
- * U. fuscovaginata var. (glauca) C
- * U. nervosa s.s. C
- * U. rupestris (incl. U. angustifolia) F
- * U. silvestris (incl. U. affinis) (F)
- U. uncinata F
- * U. zotovii F
- * U. sp. (unnamed; aff. U. nervosa) (more slender than U. nervosa;

(cont. from p. A)
see Edgar 1970, p. 231 (C)

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RUSHES

- * *Centrolepis ciliata* (C)
- Juncus antarcticus* C
- J. graggi-florus* (F) (C)
- * *J. novae-zelandiae* C
- * *J. pusillus* (C)
- * *Luzula migrata* (Mt Evans) (rare)
- * *L. picta* agg. FC

MONOCOT HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES

Astelia sp. (unnamed; aff. *A. nervosa*) F

Metropoliton novae-zelandiae (C)

Libertia pulchella F

Luzuriaga parviflora F

Phormium cookianum (F) C

COMPOSITE HERBS

Abrotanella caespitosa C

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

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

* *C. spectabilis* ssp. (C)

C. traversii (C)

* *Gnaphalium audax* (C)

* *G. paludosum* s.s. C

G. wahinicum (F)

G. traversii (cleared land only)

Helichrysum filicaule (C)

* *Lagenifera cuneata* C

L. pumila (cleared land only)

L. strangulata (F)

* *Leptinella* sp. (unnamed; included in *L. squalida*, as ssp. *mediana*, by Lloyd and Webb, 1987) (F) C

* *Raoulia glabra* C

* *R. grandiflora* var. *grandiflora* C

DICOT HERBS OTHER THAN COMPOSITES

Acaena ausetinifolia (F)

Aciphylla colensoi var. *colensoi* C

Anisotome aromatica C

* *Colobanthus affinis* C

Drosera arcturi C

* *D. spatulata* C

* *Epilobium alsinoides* s.s. (F)

* *E. brunnescens* s.s. C

E. cockayneanum C

* *E. linnaeoides* (F)

* *E. netteroides* C

* *E. pernitans* C

E. pubens (F)

* *Forstera tenella* (C)

* *Gentiana bellidifolia* (?)

* *G. montana* (incl. *G. patula*)

Geranium sp. (aff. *G. microphyllum*) (C)

Geum leiospermum (C)

Gonocarpus aggregatus C

G. micranthus ssp. *micranthus* C

C

Galium perpusillum s.s. C

Gunnera monoica C

Schizaelema nitens C

Stellaria decipiens (incl. *S. parviflora*) F

Hydrocotyle microphylla (F)

Viola cunninghamii C

* *H. sp.* (unnamed; included in *H. novae-zeelandiae*, as var. *montana*, *V. filicaulis* F
b, Kirk 1899) C

No. of species: 194.

* *Kelleria laxa* C

* *Montia fontana* s.s. C

* *Myosotis venosa* (F) (rare)

* *Nertera balfouriana* C

* *N. ciliata* C

* *N. sp.* (unnamed; aff. *N. dichondrifolia*) (hairs present on both surfaces of lf, straight, not hooked as in *N. dichondrifolia*) (F)

* *Oreomyrrhis colensoi* s.s. (incl. *O.c. var. hispida* and *O.c. var. multifida*) C

O. sp. (unnamed; aff. *O. ramosa*) (cleared land only)

Oreostylidium subulatum C

Oxalis magellanica (F)

* *Plantago novae-zeelandiae* (?) C

P. uniflora C

Pratia angulata agg. (F) C

* *Ranunculus foliosus*

* *R. membranifolius* (F)

* *R. foliosus* x *R. membranifolius* (?)
(C) (rare)

029

ADVENTIVE PLANTS

DICOT SHRUBS

Cytisus scoparius (C)

GRASSES

Agrostis capillaris C

Anthoxanthum odoratum (C)

Festuca nigrescens (C)

Holcus lanatus C

SEDGES

Carex ovalis (F) (C)

RUSHES

Juncus effusus C

COMPOSITE HERBS

Cirsium vulgare (F)

Hypochoeris radicata C

Mycelis muralis (F)

DICOT HERBS OTHER THAN COMPOSITES

Cerastium fontanum ssp. *vulgare*
(F)

* *Epilobium ciliatum* (C)

Rumex acetosella C

Sagina procumbens (C)

Trifolium repens (C)

No. of species: 15.

Doubtful and erroneous records

<u>Record</u>	<u>Probable identity of plants on which record based</u>
<i>Astelia nervosa</i> (Druce 1969)	<i>Astelia</i> sp. (unnamed)
<i>A. pettici</i> ? (Esler 1962a)	
<i>Brachyglottis adamsii</i> (Esler 1962a, as <i>Senecio adamsii</i>)	<i>Brachyglottis bidwillii</i>
<i>Carex unciifolia</i> (Druce 1969)	<i>Carex libeta</i>
<i>Chionochoa flavescens</i> (Esler 1962a, as <i>Danthonia flavescens</i>)	<i>Chionochoa cheesemani</i>
<i>C. juncea</i> (Druce 1969)	<i>C. australis</i> X <i>C. tubra</i>
<i>C. rigida</i> (Esler 1962a, as <i>Danthonia raoulii</i> and <i>D. rigida</i>)	<i>C. tubra</i>
<i>Coprosma cuneata</i> (Esler 1962a)	<i>Coprosma pseudocuneata</i>
<i>C. parviflora</i> (Esler 1962a)	<i>C. sp. (i)</i> and/or <i>C. sp. (ii)</i>
<i>C. pumila</i> (Esler 1962a)	
<i>Cyathodes dealbata</i> (Esler 1962b, as <i>C. pumila</i>)	
<i>Dracophyllum latifolium</i> (Esler 1962a and 1962b)	<i>Dracophyllum traversii</i>
<i>Drosera pygmaea</i> (Esler 1962b)	<i>Drosera spathulata</i>
<i>Epilobium chlorifolium</i> (Esler 1962a)	
<i>Gahnia setifolia</i> (Esler 1962a)	<i>Gahnia procera</i>
<i>Grammitis billardierei</i> (Druce 1969)	<i>Grammitis magellanica</i> ssp. <i>nothofageti</i>
<i>Hebe vernicosa</i> (Esler 1962b)	
<i>Koeleria villosa</i> (Esler 1962a, as <i>Drapetes villosus</i>)	<i>Koeleria laxa</i>
<i>Lagenifera petiolata</i> (Druce 1969)	<i>Lagenifera strangulata</i>
<i>Leptinella minor</i> (Esler 1962a, as <i>Cotula minor</i>)	<i>Leptinella</i> sp. (unnamed)
<i>Pittosporum divaricatum</i> (Esler 1962a)	<i>Pittosporum rigidum</i>

Plantago triantha (Esler 1962 b)
Raoulia subsericea (Esler 1962 a)
Uncinia rubra (Esler 1962 a)

Plantago lanigera
Raoulia glabra
Uncinia egmontiana

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