

(T2)

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING
PLANTS) OF KAWEKA RANGE¹, INCLUDING BLACK BIRCH RANGE²

3000-5657 FT (900-1725 M)

¹ Highest point: Kaweka, 5657 ft, grid ref. N123 829650

² Highest point: Ngahere Hill, 3650ft, grid ref. N123 870642

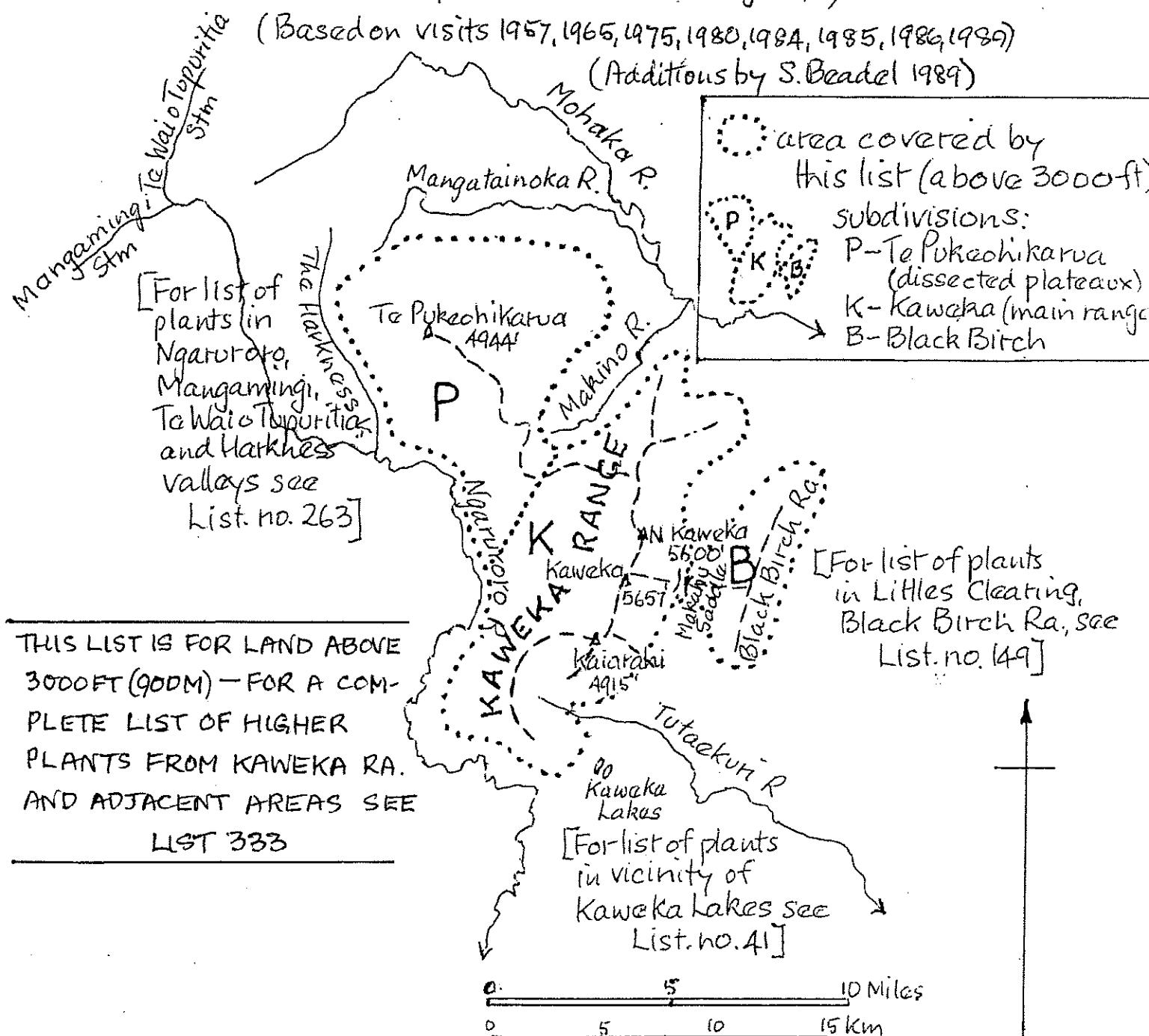
A.P.Druce, Botany Division, D.S.I.R., 1972

(revised May 1974, Dec 1974, July 1975, March 1976, July 1976,

May 1977, June 1979, May 1980, Oct 1981, April 1984,
May 1984, June 1984, May 1985, July 1985, March 1986,
Apr. 1986, June 1990, Aug. 1992)

(Based on visits 1957, 1965, 1975, 1980, 1984, 1985, 1986, 1987)

(Additions by S.Badel 1989)



P - seen in Te Pukeohikarua (dissected plateaux) area †

K - seen in Kaweka (main range) area

B - seen in Black Birch area

(species not marked are assumed to be widespread)

(† for boundaries see title page)

(unc) - uncommon or local

INDIGENOUS SPECIES

GYMNOSPERM TREES AND SHRUBS

Halocarpus bidwillii (P)

Lepidothamnus laxifolius (K,P)

L.intermedius × *L.laxifolius* (unc,K)

Phyllocladus alpinus s.s. (B,K,P)

Podocarpus hallii

P.nivalis (K,P)

P.hallii × *P.nivalis* (unc,K)

Prumnopitys ferruginea (unc)

Carpodetus serratus

Elaeocarpus hookerianus (unc)

Fuchsia excorticata

Griselinia littoralis

Nothofagus fusca

N.menziesii (P)

N.solandri var. *cliffortioides* (B,K,P)

N.fusca × *N.solandri* (unc)

Pittosporum ralphii (unc,B and K)

P.tenuifolium ssp. *colensoi* (unc,K and P)

Pseudopanax arboreus var. *arboreus*

P.colensoi s.s. (K,P)

P.crassifolius (unc)

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

Schefflera digitata (unc)

MONOCOT TREES

Cordyline australis (unc)

C.indivisa (unc)

DICOT TREES

Aristotelia serrata

DICOT SHRUBS

- Alepis flava* (unc)
Aristotelia fruticosa var. *microphylla* (unc, K and P)
Brachyglottis bidwillii var. *bidwillii* (K, P) *Coriaria arborea*
B. repanda s.s. (unc)
B. rotundifolia var. (*B. elaeagnifolia*) (unc, K)
Cassiniaaustralis (B, K, P)
Coprosma acerosa ssp. (unc, K and P)
C. cheesemanii s.s. (B, K)
C. colensoi s.s.
C. depressa (K, P)
C. foetidissima
C. grandifolia (unc)
C. lucida s.s. (unc)
C. microcarpa
C. petraea ssp. *petraea* (B, P, K)
C. pseudocuneata ssp. *pseudoc.* (K, P) *G. colensoi* (B, K, P)
C. thomsoniae (incl. *C. polymorpha*)
C. robusta (unc)
C. rugosa ssp. *rugosa* (K)
C. tenuifolia

C. sp. (i) (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (unc, K and P)
 (If undersurface not minutely hairy as is usual in *C. parviflora*; drupes vs. unpigmented, occ. purplish red)
C. sp. (ii) (unnamed; aff. *C. cheesemanii* (Ivs broader than in *C. cheesemanii* (B, K, P))
C. robusta \times *C. tenuifolia* (unc)
C. kingiana (B, K, P)
C. plumosa (K, P)
C. pteridoides (K, P)
C. arborea \times *C. kingiana*
C. a. \times *C. pteridoides*
C. kingiana \times *C. pteridoides*
Cyathodes dealbata (incl. *C. pumila*) (P)
C. empetrifolia (B, K, P)
C. sp. (Juniperina agg.) (Ivs vs. $< 1\text{cm} \times < 1\text{mm}$)
Dracophyllum secundatum (B, K, P)
D. subulatum (B, K, P)
D. secundatum \times *D. subulatum*
Elaeagnis alpina (B, K, P)
Gaultheria antipoda
G. colensoi (B, K, P)
*G. sp. (unnamed; included in *G. depressa*, as var. *novae-zelandiae*, by Franklin 1962)* (B, K, P)
G. antipoda \times *G. colensoi*
G. a. \times *G. sp. (unnamed)*
G. colensoi \times *G. sp. (unnamed)*
Hebe colensoi (incl. *H. c.* var. *hillii*)
H. macrocarpa var. (*C. corriganii*) (B, K, P)
H. odora s.s. (B, K, P)
H. stricta var. *stricta*

<i>H. tetragona</i> var. <i>tetragona</i> (B,K,P)	<i>P. rigidum</i> var. <i>rigidum</i>
<i>H. venusta</i> (incl. <i>H. brachysiphon</i>) (B,K,P)	
<i>H. sp.(i)</i> (unnamed; included in <i>H. stricta</i> , as var. <i>egmontiana</i> and as var. <i>lata</i> , by Moore 1961) (K)	<i>Pseudopanax anomalus</i> (unc)
<i>H. sp.(ii)</i> (<i>Veronica squalida</i>) var. (K)	<i>Pseudowintera colorata</i>
<i>H. macrocarpa</i> X <i>H. venusta</i> (?) (unc)	
<i>Helichrysum aggregatum</i> var. <i>aggregatum</i>	[DICOT LIANES AND RELATED]

Kunzea ericoides agg.

Leptospermum scoparium

Leucopogon fasciculatus var.

L. fraseri s.s.

Melicytus alpinus s.s. (K,P)

Myrsine divaricata s.s.

M. nummularia (K,P)

Neomyrtus pedunculata

Olearia arborescens

O. furfuracea var.

O. ilicifolia (unc) (Cunningham 1974)

O. nummularifolia var. *nummul.* (B,K,P) *L. volubile* (unc)

O. arborescens X *O. furfuracea* (unc)

O. a. X *Celmisia spectabilis* (unc)

Pentachondra pumila (K,P)

Pteraxilla tetrapetala (unc)

Pimelea buxifolia (K,P)

P. longifolia var. *longifolia* (unc,K)

P. microphylla (unc,K)

P. prostrata

P. suteri var. (*P. oreophila*) (K,P)

Pittosporum divaricatum (Cunningham 1974) (B,K)

[DICOT LIANES AND RELATED]

[TRAILING PLANTS]

Clematis forsteri

Muehlenbeckia axillaris

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

[LYCOPODES]

Lycopodium australeianum (K)

L. fastigiatum

L. scariosum

L. variuum (incl. *L. billardierei* and *L. novae-zelandicum*)

L. volubile (unc)

[FERNS]

Asplenium bulbiferum (unc)

A. flaccidum

A. richardii (unc,P)

A. terrestre ssp. *terrestre*

Blachnia chambersii (unc)

B. colensoi (unc)

B. discolor

B. fluitatile agg.

B. pennatifolia

B. procerum
B. vulcanicum
B. sp.(i) (unnamed) (common sp.; lower pinnae reduced in length)
B. sp.(ii) (unnamed) (mountain sp; lower pinnae not reduced) (K)
B. procerum X B. sp.(i)
Cyathea colensoi (unc, K)
Dicksonia fibrosa (unc)
D. lanata s.s. (unc)
Gleichenia dicarpa (B)
Grammitis billardierei
G. magellanica ssp. nothofageti
G. patagonica (unc, K)
G. poeppigiana (K)
Histiopteris incisa
Hymenophyllum cupressiforme (unc, K)
H. minimum (unc, K)
H. multifidum
H. peltatum (unc)
H. rarum (unc)
H. revolutum (unc)
H. Sanguinolentum agg.
Hypolepis ambigua
H. millefolium (K)
H. tufobarbata (unc)
Leptopteris hymenophylloides
L. superba (unc)
Ophioglossum coriaceum agg.
Paesia scaberula
Polystichum vestitum
Pteridium esculentum
Sticherus cunninghamii

ORCHIDS

Adenochilus gracilis (unc, K and P)
Aporostylis bifolia (B, K, P)
Caladenia carneola agg.
C. lyallii (unc, K and P)
Chiloglottis cornuta
Corybas cryptanthus (unc, K)
C. maeranthus
C. trilobus s.s.
Gastroleia cunninghamii
Microtis unifolia
Orthoceras novae-zelandiae
Prasophyllum colensoi (B, K, P)
Genoplesium nudum (unc, B)
Pterostylis humilis (unc, P)
P. patens
P. venosa (unc, B and K)
Thelymitra cyanea
T. decora
T. hatchii
T. longifolia

GRASSES

Agrostis dycti s.s. (K, P)
A. muelleriana (K)
A. muscosa (K)
A. personata (K)
Chionochloa conspicua (Cunningham 197A)
C. pallens ssp. pallens (K, P)

C. rubra ssp. rubra (B, P)
C. pallens X C. rubra (unc, B and P)
Cortaderia fulvida

Deschampsia novae-zelandiae (K)

D. tenella (K, P)

Deyeuxia aucklandica (K, P)

D. avanoides (incl. *D. a. var. brachyantha*)

Dichelachne crinita

Echinopogon ovatus

Elymus hardyioides (unc, P)

E.sp. (aff. *E. tectorius*) (Series 2,

Group Waiotu, of Löve & Connor, 1982)

Festuca sp. (unnamed; aff. *F. rubra*) (K, P)

Heterochloë recurvata (K, P)

H. redolens

Koeleria cheesemanii (K, P)

Lachnagrostis sp.(i) (unnamed;
included in *L. filiformis*, as var.

semiglabra, by Zofov 1965) (B, K, P)

L. sp. (ii) (unnamed) (tall, slender
plants, with narrow lvs; glumes up to

4mm long; awn short or absent) (B)

Microlaena avenacea

Poa anceps ssp. *anceps*

P. breviflumis

P. cita ssp.

P. colensoi (B, K, P)

P. lindsayi (unc, K)

P. sp. (unnamed; aff. *P. novae-zel.*) (K)

Rytidosperma gracile

R. pulchrum (K, P)

R. setifolium (B, K, P)

R. viride (K)

Trisetum sp.(i) (unnamed; aff. *T. antarcticum*) (lf sheath densely
hairy) (B, K)

T. sp. (ii) (unnamed) (plants slender;
lf sheath glabrous or nearly so) (K)

T. sp. (iii) (unnamed; aff. *T. antarcticum*)

(plants robust; lf sheath glabrous at
in upper part; lf blade margins
scabrid)

SEDGES

Carex acicularis (K)

C. breviculmis

C. coriacea

C. dipsacea var. (*C. tahoata*) (B)

C. dissita ss.

C. ochinata var. (*C. stellulata* var.
australis) (B)

C. forsteri (unc)

C. gaudichaudiana (unc, K)

C. petrioi (unc, K)

C. pyrenaica var. *cephalotes* (Cunn-
ingham 1974)

C. solandri

Carpha alpina ss. (B, K, P)

Eleocharis acuta

E. gracilis (B, P)

Isolepis aucklandica (K)

I. caligenis (unc, K)

I. crassiuscula (P)

I. habra

I. pottsii

I. subtilissima (B, P)

Lepidosperma austale

Oreobolus pectinatus (B, K, P)

Schoenus pauciflorus ss.

S. sp. (unnamed; aff. *S. pauciflorus*)
("robust form" of Edgar 1970, p. 174)

Uncinia caespitosa (K, P)

U. clavata (K)

U. divaricata (K)

U. ferruginea (unc)

U. fuscovaginata var. *fuscovag.* (K, P)

U. rubra (B, K)

- U. rupestris* (incl. *U. angustifolia*)
U. silvestris (*Cunninghamii* 197A) (K)
U. uncinata
U. vitidics (K)
U. sp.(i)(unnamed) (*U. affinis* sensu Hamlin 1959, non *U. tampa* var. *affinis* Col. ex Clarke; see Nootboom 1978) (B,P)
*U. sp.(ii)(unnamed; aff. *U. nervosa*)*
 (more slender than *U. nervosa*; see Edgar 1970, p. 231 (unc, B))

RUSHES

- Centrolepis ciliata* (P)
Empodisma minus (B,P)
Juncus gregiflorus
J. novae-zelandiae (B,K,P)
J. planifolius
Luzula colensoi (K)
L. decipiens (unc, K)
L. migrata (B,K,P)
L. rufa s.s. (K)
L. subclavata
L. sp. (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966) (unc, P)
L. colensoi x *L. migrata* (unc)

COMPOSITE HERBS

- Anaphalis* spp. (see below)
Brachyglottis lagopus var. *lagopus* (B,K)
Brachyscome radicata (K)
Calmisia glandulosa ssp. *glandulosa*
 (incl. *C. g.* var. *latifolia*) (B,K,P)
C. gracilenta ssp. (B,K,P)
C. incana (incl. *C. discolor*) (B,K,P)
C. spectabilis ssp. *spectabilis* (B,K,P)
C. sp.(unnamed) (strongly rhizomatous) (B,P)
C. gracilenta x *C. incana* (unc)
C. g. x *C. spectabilis* (unc)
C. incana x *C. spectabilis* (unc)
Craspedia minor var. *minor* (incl. *C. major*)
C. viscosa (B,K)
C. sp.(i)(unnamed) (summer-green bog plants; glomerules 0.8-1.5 cm diam.) (B,P)
C. sp.(ii)(unnamed) (summer-green plants of seepages; glomerules 1.8-2.5 cm diam.) (K)

Gnaphalium audax

G. limosum s.s.

G. paludosum s.s. (P)

G. ruahinicum

MONOCOT HERBS (OTHER THAN ORCHIDS) / *Helichrysum filicaule*

GRASSES, SEDGES, RUSHES

- Astelia fragrans* (insert above)
*A. sp.(unnamed; aff. *A. nervosa*)*
 (lvs not conspicuously white ad-
 axially as in *A. nervosa*) (unc, P)
Herpolithion novae-zelandiae (B)
Luzula parviflora (unc, K)
Phormium cookianum
Potamogeton suboblongus (B)

- Anaphalis kerriei* s.s. (unc)
A. sp.(i) (*Helichrysum bellidioides* s.s.)
 (B,K,P)
A. sp.(ii)(unnamed) ("Helichrysum
 alpinum" of Cockayne 1928) (lvs
 and capitula larger than in *A.
 sp. i*) (B,K,P)

Lagenifera pinnatifida (P)

L.pumila

L.strangulata

Leucogenes (contopodium ss. (K))

Microseris scapigera var. (β)

Pseudognaphalium sp. (aff. *P.luteo-album*) (lvs mostly linear-spathulate to linear, acute)

Raoulia albosericea (B,K,P)

R.glabra (B,K,P)

R.grandiflora var.*grandiflora* (K)

R.tenuicaulis (incl. *R.t.* var.*dumorpha* and *R.t.* var.*pusilla*)

R.albosericia × *R.glabra* (unc)

Senecio minimus

S.rufiglandulosos ssp. *rufiglandulosus* (K)

S.sp. (unnamed; included in *S.glaucophyllus*, as ssp. *discoideus*, by Ornduff 1960) ssp. (K)

Taraxacum magellanicum (K)

DICOT HERBS OTHER THAN COMPOSITES

COMPOSITES

Acaena anserinifolia

A. amittens (unc, K and P)

A.profundelincisa (K,P)

Aciphylla colensoi var.*colensoi* (B,K,P) *E.tenuipes* ss. (B,K)

A.sp. (unnamed; aff. *A.sparrosa*) (K) *E.sp.* (unnamed; included in *E.*

Anisotome aromatica (B,K,P) *brunneus*, as ssp. *minutiflorum*, by Raven and Engelhorn, 1971) (K)

Cardamine sp.(I) (*C.debilis* agg.) (cf. "Long Style" of Pritchard 1957)

C.sp. (ii) ("Scree Race" of Pritchard 1957) (K)

C.sp.(iii) ("Tussock Race" of Pritchard)(K)

Centella uniflora

Colobanthus acicularis (K)

C.apetalus (incl. *C.a.* var.*alpinus*) (K)

C.strictus (K)

D.spathulata (P)

Epilobium astonii (K)

E.triplicifolium s.s. (B,K,P)

E.brunneus s.s.

E.chlorifolium (K,P)

E.cockayneum (B,K)

E.glabellum s.s. (K)

E.macropus (K)

E.melanocaulon (K)

E.nummularifolium

E.pedunculare agg.

E.pernitens (unc, K)

E.pubens

E.pycnostachyum (K,P)

E.rotundifolium

E.tenuipes ss. (B,K)

E.sp. (unnamed; included in *E.*

brunneus, as ssp. *minutiflorum*, by Raven and Engelhorn, 1971) (K)

E.melanocaulon × *E.pycno-*
stachyum (unc, K)

Euphrasia cuneata (B,K,P)

E.zelandica agg. (K,P)

<i>dansifolia</i>) (K, P)	Neopaxia sp. (<i>Montiacalycina</i>) (K) 9
<i>Forstera bidwillii</i> (incl. <i>F.b.</i> var. <i>f.</i>)	<i>Nertera ciliata</i>
<i>Galium parvissimum</i> ss. (K, P)	<i>N. depressa</i> (unc)
<i>Gentiana bellidifolia</i> var. (<i>B, K, P</i>)	<i>N. sp.</i> (unnamed; aff. <i>N. dichondrifolia</i>) (hairs present on both surfaces of lf, straight, not hooked as in <i>N. dichondrifolia</i>)
<i>G. grisebachii</i> (B, K, P)	
<i>G. montana</i> (incl. <i>G.m.</i> var. <i>stolonifera</i> , <i>G. patula</i> , and <i>G. bellidifolia</i> var. <i>polchalla</i>) (K, P)	<i>Oreomyrrhis colensoi</i> ss. (incl. <i>O.c.</i> var. <i>hispida</i> and <i>O.c.</i> var. <i>multifida</i>) (K, P)
<i>Geranium potentilloides</i> var. <i>pot.</i>	
<i>G. sessiliflorum</i> var. <i>novae-zelandiae</i>	
<i>G. sp.</i> (unnamed; aff. <i>G. microphyllum</i>) (B, K, P)	
<i>Geum sp.</i> (<i>G. parviflorum</i> agg.)	<i>O. sp.</i> (unnamed; aff. <i>O. tamosa</i>)
(stock short; terminal leaflet about as long as broad; fls up to 13 mm diam) (K)	<i>Ouisia caespitosa</i> ssp. <i>caespitosa</i> (unc, K)
<i>Gonocarpus aggregatus</i> (B)	<i>O. colensoi</i> (K)
<i>G. micranthus</i> ssp. <i>micranthus</i> (B, P)	<i>O. lactea</i> ssp. <i>drucei</i> (K)
<i>Hydrocotyle heteromeria</i> (unc)	<i>O. macrophylla</i> ssp. <i>robusta</i> (B, K)
<i>H. microphylla</i>	<i>Oxalis magellanica</i>
<i>H. moschata</i> (unc)	<i>Parahedys diffusa</i> ssp. <i>diffusa</i> (K, P)
<i>H. sp.</i> (unnamed; included in <i>H. n.z.</i> , as var. <i>montana</i> , by Kirk 1899) (B, K)	<i>P. olsenii</i> (K, P)
<i>Hyperticum japonicum</i> agg. (B)	<i>P. spathulata</i> (K)
<i>Jovellana repens</i> (unc, K)	<i>Phyllachne colensoi</i> var. <i>colensoi</i> (K)
<i>Kelleria dieffenbachii</i> (K)	<i>Plantago novae-zelandiae</i> (K)
<i>K. laxa</i> (unc P)	<i>P. raoulii</i>
<i>Linum monogynum</i> (K)	<i>P. triandra</i> s.s. (P)
<i>Montia fontana</i> s.s. (K)	<i>P. uniflora</i> (K)
	<i>Pratia angulata</i> agg.
	<i>Ranunculus cheesemanii</i> var. (<i>R. corsci</i>) (K)

<i>Myosotis forsteri</i>	<i>R. insignis</i> (K)
<i>M. sp.</i> (i) (<i>M. australis</i> agg.) (fls yellow) (K, P)	<i>R. nivicola</i> (K)
<i>M. sp.</i> (ii) (unnamed; included in <i>M. pygmaea</i> , as var. <i>drucei</i> , by Moore 1961) (K, P)	<i>R. reflexus</i>
	<i>R. royi</i> (unc, K)
	<i>R. sp.</i> (i) (cf. <i>R. glabratifolius</i>) (B)
	<i>R. sp.</i> (ii) (unnamed; included in <i>R. lappaceus</i> , as var. <i>macrophyllus</i> , by Kirk 1899) (B, K, P)
	<i>Psychrophila novae-zelandiae</i> (K)

Hordeum murinum (unc, near hut)
Poa pratensis

RUSHES

Juncus effusus

Scandia sp. (*S. rosifolia* agg.) (leaf-
lets ovate-lanceolate) (K)

J. tenuis

Schizolelema colensoi (K,P)

COMPOSITE HERBS

Achillea millefolium

S. nitens (K)

Cirsium arvense

S. sp. (unnamed) (lvs cut $\frac{1}{3}$ - $\frac{2}{3}$ to base; scattered hairs on upper surface; involucral bracts obtuse; fl = or < its pedicel) (K)

Crepis capillaris

Scleranthus uniflorus (K)

Hieracium pilosella

Stackhousia minima (K)

Hypochaeris radicata

Stellaria decipiens (incl. *S. parviflora*)

Lontodon taraxacoides

S. gracilenta (K,P)

Mycelis muralis

Urtica incisa

Taraxacum officinale s.l.

Viola cunninghamii (B,K,P)

DICOT HERBS OTHER THAN COMPOSITES

V. filicaulis (B,K,P)

Anagallis arvensis

Wahlenbergia albomarginata var.
pygmaea (B,K,P)

Ceratium fontanum ssp. *vulgare*

Euphrasia nemorosa

Linum catharticum

Lotus pedunculatus

Plantago major (unc)

Prunella vulgaris

Rumex acetosella

Trifolium repens

Veronica arvensis

ADVENTIVE SPECIES

(excluding planted spp.)

TREES AND SHRUBS

Pinus contorta

Lupinus arboreus

Ulex europaeus (unc)

GRASSES

Agrostis capillaris

Aira caryophyllea

Anthoxanthum odoratum

Dactylis glomerata

Festuca nigrescens

Holcus lanatus

No. of indigenous spp.: 377.

No. of adventive spp.: 31.

DOUBTFUL AND ERRONEOUS RECORDS NOT INCLUDED IN MAIN LIST

<u>Record</u>	<u>Probable identity of plant on which record based</u>
<i>Aciphylla squarrosa</i> (Cunningham 1974)	<i>Aciphylla</i> sp. (unnamed)
<i>Astelia nervosa</i> (Cunningham 1974)	<i>Astelia fragrans</i>
<i>Carex diandra</i> (Cunningham 1974)	<i>Carex dipsacea</i>
<i>C. ternaria</i> (Cunningham 1974)	<i>C. coryacea</i>
" <i>Celmisia graminifolia</i> X <i>C. spectabilis</i> " (Giv- en 1984)	<i>Celmisia gracilenta</i> X <i>C. spectabilis</i>
<i>Chionochloa flavescens</i> (Elder 1959, as <i>Danthonia flavescens</i>)	<i>Chionochloa pallens</i>
<i>C. rigida</i> (Elder 1959, as <i>Danthonia rigida</i>)	<i>C. rubra</i>
<i>Coprosma parviflora</i> (Cunningham 1974)	<i>Coprosma</i> sp.(i) (unnamed)
<i>Coriaria angustissima</i> (Cunningham 1974)	<i>Coriaria plumosa</i>
<i>C. sarmentosa</i> (Cunningham 1974)	<i>C. arborea</i> X <i>C. pteridoides</i>
<i>Lepidothamnus intermedius</i> (Cunningham 1974)	<i>Lepidothamnus intermedius</i> X <i>L. laxifolius</i>
<i>Dracophyllum longifolium</i> var. (Cunningham 1974, as <i>D. filifolium</i>)	
<i>Gaultheria depressa</i> (Cunningham 1974)	<i>Gaultheria</i> sp. (unnamed)
<i>G. rupestris</i> (?) (Cunningham 1974)	
<i>Hebe diosmifolia</i> (Cheeseman 1925, Hebe venusta as <i>Veronica diosmifolia</i>)	
<i>Melicytus crassifolius</i> (Cunningham 1974, as <i>Hymenanthera crass.</i>)	<i>Melicytus alpinus</i>
<i>Kirkianella novae-zelandiae</i> (Cunningham 1974)	
<i>Koeleria novozelandica</i> (Cunningham 1974, as <i>K. kurtzii</i>)	<i>Deyeuxia avenoides</i>
<i>Lagenifera petiolata</i> (Cunningham 1974)	<i>Lagenifera strangulata</i>
<i>Myosotis pygmaea</i> (Cunningham 1974)	<i>Myosotis</i> sp. (unnamed)

Nertera dichondrifolia (Cunning- *Nertera* sp. (unnamed) ham 1974)

Olearia pachyphylla (Carse 1929) *Olearia furfuracea*

Oreomyrtis rigida (Cunningham 1974)

Pimelea aridula (Cunningham 1974) *Pimelea suteri* var.

P. lyallii (Elder 1959) *P. suteri* var.

P. pseudolyallii (Cunningham 1974, p. 39) *P. suteri* var.

Plantago triantha (Cunningham) *Plantago novae-zelandiae* (1974)

"*Poa laevis*" (Elder 1959, p. 23) *Rytidosperma setifolium*

Raoulia australis (Cunningham) *Raoulia albosericea* (1974)

Rytidosperma nigricans (Cunning- *Rytidosperma gracile* ham 1974, as *Notodanthonia nigricans*)

REFERENCES

Carse, H. 1928: Botanical notes, new species and varieties. *Trans. N.Z. Inst.* 59: 315-6.

Cochayne, L. 1928: "The Vegetation of New Zealand". 2nd ed. Engelmann, Leipzig. 456 pp.

Cunningham, A. 1974: Headwaters of the Tuteaikuri catchment: study of an erosion problem in Hawke's Bay. *N.Z. Forest Service Tech. Paper No. 62*. N.Z. Forest Service, Wellington. 59 pp.

- Edgar, E. 1966: Luzula in New Zealand. N.Z. Jl Bot. 4: 159-84.
 — 1970: Cyperaceae. Pp. 167-285 in "Flora of New Zealand." Government Printer, Wellington. Vol. 2. 354 pp.
 Elder, N.L. 1959: Vegetation of the Kaweka Range. Trans Roy Soc. N.Z. (Bot.) 87: 9-26.
 Franklin, D.A. 1962: The Ericaceae in New Zealand (Gaultheria and
 1) Pernettya). Trans. R. Soc. N.Z. Bot. 1: 155-73.
 2) Kirk, T. 1899: "The Students' Flora of New Zealand." Government Printer,
 3) Wellington. 408 pp.
 Moore, L.B. 1961: Boraginaceae, Oursinia, Hebe (except Whipcord spp.).
 Pp. 806-33, 861-70, 885-952 in "Flora of New Zealand" Government
 4) Printer, Wellington. Vol. 1. 1085 pp.
 Oliver, W.R.B. 1935: The genus Coprosma. Bishop Mus. Bull. 132. 207 pp.
 5) Pitchard, G.G. 1957: Experimental taxonomic studies on species of
Cordamine Linn. in New Zealand. Trans. R. Soc. N.Z. 85: 75-89.
 Raven, P.H.; Engelhorn, T. 1971: New taxa and new combinations in
 Australasian Epilobium (Onagraceae). N.Z. Jl Bot. 9: 345-50.
 Zotor, V.D. 1965: Grasses of the subantarctic islands of the New
 Zealand region. Rec. Dom. Mus. Wellington 5: 101-46.

- 3) Höke, A.; Connor, H.E. 1982: Relationships and taxonomy of New
 Zealand wheat grasses. N.Z. Jl Bot. 20: 169-86.
 2) Hamlin, B.G. 1959: A revision of the genus Uncinia (Cyperaceae-
 Carexoidae) in New Zealand. Dom. Mus. Bull. 19: 106 pp.
 4) Nooteboom, H.P. 1978: A taxonomic revision of the Malesian and
 Australian species of Uncinia (Cyperaceae). Blumea 24: 511-20.
 5) Ornduff, R. 1960: An interpretation of the Senecio lautus complex
 in N.Z. Trans R. Soc. N.Z. 80: 63-77.

