

INDIGENOUS HIGHER PLANTS (PSILOPSIDS, LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS) OF HAUHUNGAROA RA. AND ADJACENT WEST TAUPO IGNIMBRITE PLATEAUX, 500-1165 M

A.P. Druce, Wellington, July 1992

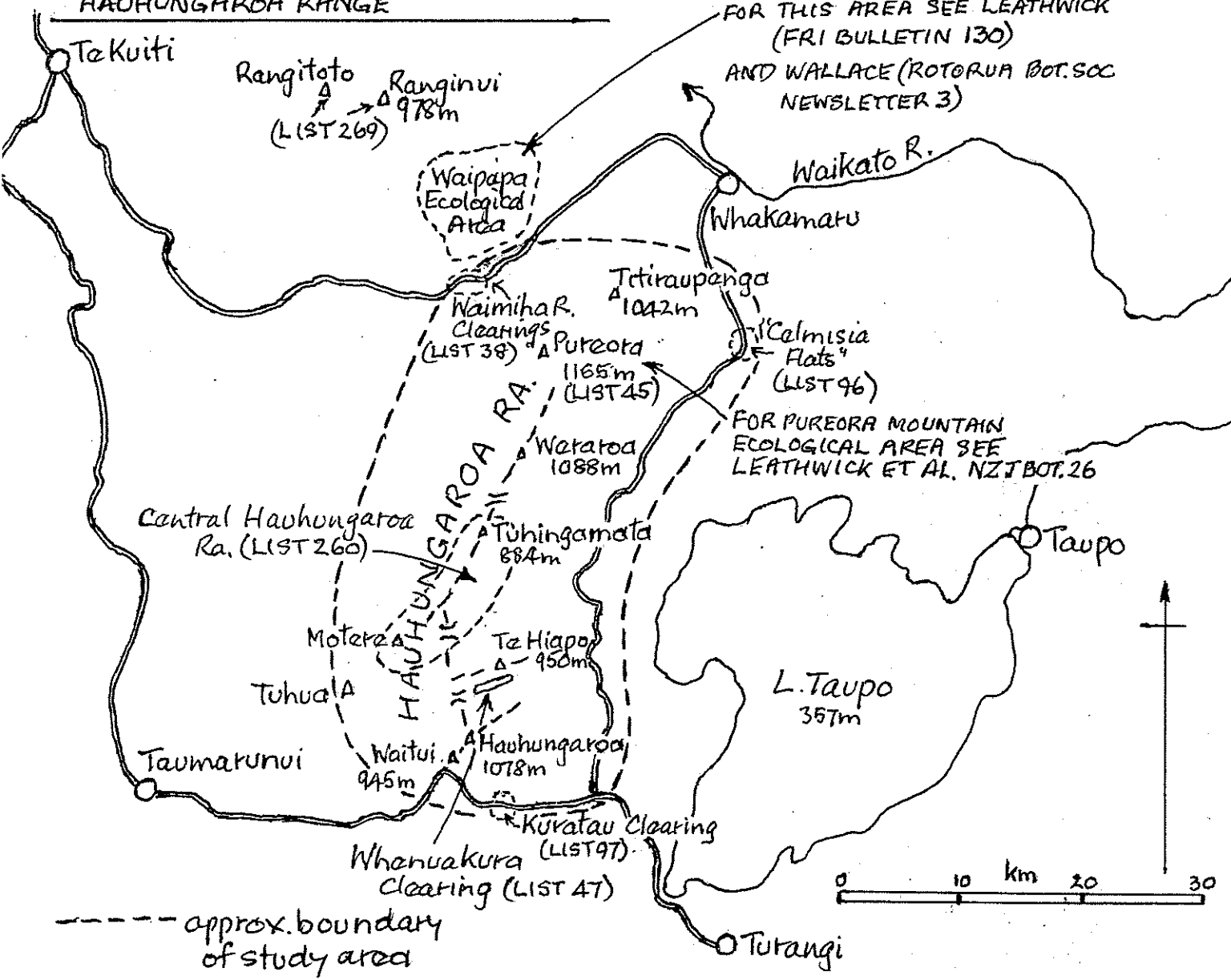
Highest point: Mt Pureora, grid ref. NZMS 260, T17 393914; alt. 1165 m

Based on observations 1951 - 1985  
(Note: observations on the ignimbrite plateaux were made mostly before the establishment of exotic pasture)

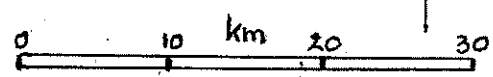
SEE SUPPLEMENT (PAGE 11)  
FOR PLANTS IN RANGITOTO-RANGINUI AND  
WAIPAPA AREAS NOT SEEN ON  
HAUHUNGAROA RANGE

FOR THIS AREA SEE LEATHWICK  
(FRI BULLETIN 130)  
AND WALLACE (ROTORUA BOT. SOC  
NEWSLETTER 3)

FOR PUREORA MOUNTAIN  
ECOLOGICAL AREA SEE  
LEATHWICK ET AL. NZT BOT. 26



--- approx. boundary  
of study area



(P) - seen only on Mt Pureora  
(unc) - uncommon or local

**GYMNOSPERM TREES AND SHRUBS**

- Dacrycarpus dactyloides*
- Dacrydium cupressinum*
- Halocarpus bidwillii*
- Lagarostrobos colensoi*
- Libocedrus bidwillii* (unc, near Whanwakura Clearing)
- Phyllocladus alpinus* s.s.
- P. glaucus*
- P. trichomanoides* s.s.
- P. alpinus* x *P. trichomanoides* (unc)
- Podocarpus hallii*
- P. totara* s.s.
- Prumnopitys ferruginea*
- P. taxifolia*

- Metrosideros robusta*
- Myrsine australis*
- M. salicina*
- Nestegis cunninghamii*
- N. lanceolata*
- Nothofagus menziesii* (unc)
- Pennantia corymbosa*
- Pittosporum eugenioides*
- P. tenuifolium* (ssp. *colensoi* ⇒ ssp. *tenuifolium*)
- P. turneri*
- Plagianthus regius* var. *regius*
- Pseudopanax arboreus* var. *arboreus*
- P. colensoi* s.s.
- P. crassifolius*
- P. edgerleyi*
- P. simplex* (incl. *P. s.* var. *sinclairii*)
- Quintinia serrata* (incl. *Q. acutifolia* and *Q. elliptica*)
- Schefflera digitata*
- Toronia toru*
- Weinmannia racemosa* var. *racemosa*

**MONOCOT TREES AND SHRUBS**

- Cordyline australis*
- C. banksii*
- C. indivisa*

**DICOT TREES**

- Aristotelia serrata*
- Beilschmiedia tawa*
- Carpodetus serratus*
- Elaeocarpus dentatus* (incl. *E. d.* var. *obovatus*)
- E. hookerianus*
- Fuchsia excorticata*
- Griselinia littoralis*
- Hedycarya arborea*
- Hoheria populnea* var. *lanceolata*
- Knightia excelsa*
- Melicactus lanceolatus* (incl. *M. l.* var. *latior*)
- M. ramiflorus* var. *ramiflorus*

**DICOT SHRUBS**

- Alseuosmia pusilla*
- A. turneri*
- Aristotelia fruticosa* var. *microphylla*
- A. f.* var. *microphylla* x *A. serrata* (unc)
- Brachyglottis kirkii* s.s.
- B. repanda* s.s.

- B. rotundifolia var. (B. elaeagnifolia)
- Carmichaelia sp. (subgenus Carmichaelia)
- Cassinia vauvilliersii (unc)
- Coprosma acerosa ssp. (unc)
- C. cheesemanii ss.
- C. foetidissima
- C. grandifolia
- C. lucida ss.
- C. microcarpa (unc, Nothofagus menziesii forest)
- C. propinqua ssp. propinqua
- C. rhamnoides (incl. C. polymorpha)
- C. rigida
- C. robusta
- C. rugosa ssp. rugosa (unc)
- C. tenuifolia
- C. sp. (i) (unnamed; included in C. parviflora by Olivier, 1935, and others) (If undersurface not densely hairy as in C. parviflora; drupes vs. unpigmented, occ. purplish red)
- C. sp. (ii) (unnamed; aff. C. cheesemanii) (lvs broader than in C. cheesemanii) (P)
- C. propinqua X C. robusta and/or C. tenuifolia (unc)
- Cotaria arborea
- C. pteridoides (unc)
- C. arborea X C. pteridoides (unc)
- Corokia buddleioides
- C. cotoneaster var. cotoneaster
- Cyathodes empetrifolia
- C. sp. (C. juniperina agg.) (lvs vs. < 1 cm long and < 1 mm broad)
- Dracophyllum strictum (unc)
- D. subulatum
- Epactis alpina (unc)
- Gaultheria antipoda
- G. macrostigma
- G. oppositifolia (unc)
- G. paniculata (unc)
- G. sp. (unnamed; included in G. depressa, as var. novae-zelandiae, by Franklin 1962)
- G. antipoda X G. macrostigma
- G. a. X G. oppositifolia (unc)
- G. a. X G. paniculata (unc)
- G. a. X G. sp. (unnamed)
- G. macrostigma X G. sp. (unnamed)
- G. oppositifolia X G. paniculata (unc)
- Geniostoma rupestre var. ligustifolium
- Hebe macrocarpa var. (H. cottig-anii)
- H. stricta var. stricta
- H. sp. (Veronica arborea) [recorded as H. parviflora by Druce 1953]
- Kunzea ericoides agg.
- Leptospermum scoparium
- Leucopogon fasciculatus var. (juv. lvs not much broader than adult lvs)
- L. fraseri s.s.
- Melicope simplex
- Malicytus sp. (unnamed) (branches flexuose) (= Hymenaulthera angustifolia auct. N.Z.) (unc)
- Myrsine divaricata s.s.
- M. d. X M. salicina (Beadel 1988)

*Neomyrtus pedunculata*  
*Olea arborescens*  
*O. ilicifolia*  
*O. nummulatifolia* var. *nummulatifolia* (unc)  
*O. virgata* var. (lvs smaller than in var. *virgata*)  
*O. arborescens* x *O. ilicifolia*  
*Pentachondra pumila* (P)  
*Pimelea prostrata*  
*P. tomentosa* (unc)  
*Pomaderris ericifolia*  
*Pseudopanax anomalus*  
*P. a.* x *P. simplex* (unc)  
*Pseudowintera axillaris*  
*P. colorata*  
*Solanum aviculare* var. *aviculare*

#### MONOT LIANES

*Ripogonum scandens*

#### DICOT LIANES AND RELATED

##### TRAILING PLANTS

*Clematis foetida* (unc)  
*C. forsteri*  
*C. paniculata*  
*Muehlenbeckia australis*  
*M. axillaris*  
*Metrosideros diffusa*  
*M. perforata*  
*Parsonsia capsulatis*  
*P. heterophylla*  
*Rubus cissoides*  
  
*R. schmidelioides* var. *schmidelioides*

#### PSILOPSIDS

*Tmesipteris elongata* (incl. *T. e.* ssp. *elongata*)  
*T. tannensis*

#### LYCOPODS

*Lycopodium australianum*  
*L. deuterodensum* (unc)  
*L. fastigiatum*  
*L. laterale* (incl. *L. ramulosum*?)  
*L. scariosum*  
*L. varium* (incl. *L. billardieri* and *L. novae-zelandicum*)  
*L. volubile*

#### FERNS

*Adiantum cunninghamii*  
*Anarthropteris lanceolata*  
*Asplenium bulbiferum*  
*A. flabellifolium* agg.  
*A. flaccidum*  
*A. gracillimum* (unc)  
*A. hookerianum*  
*A. oblongifolium*  
*A. polyodon*  
*Blechnum chambersii*  
*B. edensei*  
*B. discolor*  
*B. fluviatile* agg.  
*B. membranaceum*  
*B. minus*  
*B. nigrum*  
*B. pennamartina*  
*B. procerum*  
*B. vulcanicum*  
*B. sp.* (unnamed) (common lowland sp.; lower pinnac reduced in length)

*B. procerum* X *B. sp.* (unnamed)  
*Botrichium australe*  
*B. biforme*  
*Ctenopteris heterophylla*  
*Cyathea dealbata*  
*C. medullaris*  
*C. smithii*  
*Dicksonia fibrosa*  
*D. lanata* s.s.  
*D. squarrosa*  
*Gleichenia dicarpa*  
*G. microphylla*  
*Grammitis billardierei*  
*G. magellanica* ssp. *nothofagei*  
*Histiopteris incisa*  
*Hymenophyllum armstrongii*  
*H. bivalve*  
*H. demissum*  
*H. dilatatum*  
*H. ferrugineum*  
*H. flabellatum*  
*H. multifidum*  
*H. peltatum*  
*H. pulcherrimum*  
*H. ratum*  
*H. revolutum*  
*H. sanguinolentum* agg.  
*H. scabrum*  
  
*Hypolepis ambigua* (unc)  
*H. millefolium*  
*H. rufobarbata*  
*Lastreopsis glabella*  
*Leptolepia novae-zelandiae*  
*Leptopteris hymenophylloides*  
*L. superba*  
*L. hymenophylloides* X *L. superba* (unc)

*Lindsaea trichomanoides*  
*Ophioglossum coriaceum* agg.  
*Paesia scaberula*  
*Pellaea rotundifolia*  
*Phymatosorus novae-zelandiae*  
*P. pustulatus*  
*Pneumatopteris pennigera*  
*Polystichum richardii* (unc)  
*P. silvaticum* (unc)  
*P. vestitum*  
*Pteridium esculentum*  
*Pteris pendula*  
*Pyrosia eleagnifolia*  
*Rumohra adiantiformis*  
*Schizaea australis*  
*Sticherus cunninghamii*  
*Trichomanes andlicherianum* (unc)  
*T. reniforme*  
*T. venosum*

#### ORCHIDS

*Aporostylis bifolia*  
*Caladenia carnea* agg.  
*Chiloglottis cornuta*  
*Corybas macranthus*  
*C. oblongus*  
*C. trilobus* s.s.  
*Dendrobium cunninghamii*  
*Eatinia autumnalis*  
*E. mucronata* s.s.  
*Gastrodia cunninghamii* (unc)  
*G. minor* (unc)  
*Genoplesium nudum* (unc)  
*Microtis oligantha*  
*M. unifolia*  
*Orthoceras novae-zeelandiae*  
*Prasophyllum colensoi*  
*P. sp.* (aff. *P. patens*) (Beardal 1988)

*Pterostylis banksii*  
*P. furcata*  
*P. graminea* (unc)  
*P. sp.* (unnamed; aff. *P. montana*)  
*Spiranthes novae-zealandiae*  
*Thelymitra cyanea*  
*T. hatchii* (Beard 1988)  
*T. longifolia*

*Pod anceps ssp. anceps*  
*P. breviglumis*  
*P. cita ssp.*  
*P. pusilla*  
*Rytidosperma clavatum*  
*R. gracile*  
*Zoysia minima*

### SEDGES

### GRASSES

*Agrostis muscosa* (unc)  
*A. personata*  
*Amphibromus fluitans* (unc)  
*Chionochloa tubra ssp. tubra*  
*Cortaderia fulvida*  
*Deyeuxia Aucklandica* (P)  
*D. avenoides* (incl. *D. a. var. brachyantha*)  
*D. sp.* (*D. quadrisetosa* agg.) (lvs narrow)  
*Dichelachne crinita*  
*Echinopogon oratus*  
*Elymus multiflorus* (unc)  
*E. nardusoides* (unc)  
*E. tenuis* (unc)  
*E. sp.* (aff. *E. rectisetus*) (plants vs. glaucous; lamina vs. flat, up to 5mm wide; awns 4-6 cm long) var. (culms erect)  
*Festuca novae-zealandiae*  
*Hierochloa redolens*  
*Lachnagrostis striata*  
*L. sp.* (unnamed; included in *L. filiformis*, as var. *semiglabra* by Zotov 1965)  
*Microlaena avenacea*  
*M. stipoides*

*Baumea rubiginosa*  
*B. tenax*  
*B. teretifolia*  
*Carex breviculmis*  
*C. colensoi* (unc)  
*C. comans*  
*C. dipsacea* var. (*C. tahaata*)  
*C. dissita* s.s.  
*C. echinata* var. (*C. stellulata* var. *australis*)  
*C. geminata* s.s.  
*C. lessoniana*  
*C. maonica*  
*C. seeta* s.s.  
*C. sindaitii*  
*C. testacea* s.s.  
*C. virgata*  
*Carpha alpina* s.s.  
*Fleochatis acuta*  
*F. gracilis*  
*F. sphacelata*  
*Gahnia pauciflora*  
*G. procera*  
*Isolepis crassiuscula*  
*I. distigmatica*  
*I. fluitans*  
*I. habra*

- I. inundata*
- I. pottsii*
- I. subtilissima*
- Lepidosperma australe*
- Machaetina sinclairii*
- Moralotia affinis*
- Oreobolus pectinatus*
- Schoenus maschalinus*
- Tetraria capillaris*
- Uncinia ferruginea*
- U. filiformis*
- U. gracilentata*
- U. laxiflora*
- U. rubra*
- U. rupestris* (incl. *U. angustifolia*)
  
- U. uncinata*
- U. zotovii*
- U. sp.(i)* (unnamed) (*U. affinis* Hamlin 1959, non *U. hipatia* var. *affinis*)
- U. sp.(ii)* (unnamed; aff. *U. nervosa*) (plants more slender than in *U. nervosa*)

**RUSHES AND ALLIED PLANTS**

- Centrolepis ciliata*
- Empodisma minus*
- Juncus antarcticus*
- J. gregiflorus*
- J. novae-zelandiae*
- J. pallidus*
- J. planifolius*
- J. pusillus* (unc)
- Luzula decipiens*
- L. picta* s.s.
- L. subclavata*
- L. sp.* (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966)

**MONOCOT HERBS OTHER THAN ORCHIDS**

**GRASSES, SEDGES, RUSHES & ALLIED PLANTS**

- Arthropodium candidum*
- Astelia fragrans*
- A. grandis*
- A. solandri*
- A. sp.* (unnamed; aff. *A. nervosa*) (lvs not conspicuously white ad-axially as in *A. nervosa*)
- Collosporum microspermum*
- Dianella nigra*
- Heteropogon novae-zelandiae*
- Luzuriaga parviflora*
- Phormium cookianum* (unc)
- P. tenax*
- Potamogeton suboblongus*
- Sparganium subglobosum* (unc)
- Triglochin striata*
- Typha orientalis*

**COMPOSITE HERBS**

- Anaphalis keriensis* agg.
- A. sp.* (unnamed) ("*Helichrysum alpinum*" of Cochrane 1928) (lvs and capitula larger than in *Helichrysum bellidioides*)
- Celmisia gracilentata* ssp.
- C. sp.* (unnamed; aff. *C. gracilentata*) (plants strongly rhizomatous)
- Craspedia minor* var. *minor* (incl. *C. major*)
- Gnaphalium audax*
- G. delicatum*
- G. gymnocephalum*
- G. limosum* s.s.
- G. paludosum* (Beadel 1988)
- G. sphaericum*
- Helichrysum filicaule*

- Lagenifera cuneata*  
*L. pumila*  
*Leptinella squalida* agg.  
*Microseris scapigera* var.  
*Pseudognaphalium* sp. (unnamed; aff. *P. luteoalbum*) (lvs mostly linear-spathulate to linear, acute)  
*Raoulia albosericea*  
*R. glabra*  
*R. fenwickii* (incl. R.t. var. *pusilla* and R.t. var. *dimorpha*)  
*R. sp.* (unnamed; aff. *R. australis*)  
*Senecio glaucophyllus* ssp. *toa* (unc)  
*S. glomeratus*  
*S. hispidulus* (unc)  
*S. rofiglandulosus* var.  
*S. wairavensis* (unc)
- Epilobium alsinoides* ss.  
*E. atriplicifolium* s.s.  
*E. brunnescens* s.s.  
*E. chionanthum* (unc)  
*E. cockayneanum* (P)  
*E. hectorii* ss.  
*E. hirtigerum* (unc)  
*E. insulare*  
*E. komarovianum*  
*E. linnaeoides*  
*E. netteroides*  
*E. nummulariifolium*  
*E. pallidiflorum* (unc)  
*E. pedunculata* s.s.  
*E. pubens*  
*E. rotundifolium*  
*E. tenuipes* s.s.  
*E. sp.* (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engelhorn, 1971)

**DICOT HERBS OTHER THAN COMPOSITES**

- Acaena anserinifolia*  
*A. microphylla* var. *microphylla*  
*Aciphylla* sp. (unnamed; aff. *A. squarrosa*)  
*Cardamine* sp.(i) (*C. debilis* agg.) ("Long Style" of Pritchard 1957)  
*C. sp.*(ii) (*C. debilis* agg.) ("Narrow Petal" of Pritchard 1957)  
*Centella uniflora*  
*Dactylanthus taylorii* (unc)  
*Dichondra* sp. (unnamed; aff. *D. brevifolia*)  
*Drosera arcturi*  
*D. binata*  
*D. peltata* ssp. *auriculata*  
*D. spathulata*
- Euphrasia cuneata* (unc)  
*Galium perpusillum* s.s.  
*Gentiana grisebachii*  
*G. sp.* (unnamed; aff. *G. spenceri*) (unc)  
*Geranium potentilloides* var. *potentilloides*  
*G. sp.* (unnamed; aff. *G. microphyllum*) (unc)  
*G. sessiliflorum* var. *novae-zelandiae*  
*Glossostigma elatinoides*  
*Gonocarpus aggregatus*  
*G. micranthus* ssp. *micranthus*  
*Gratiola nana*  
*G. sexdentata*  
*Gunnera monoica*  
*G. protrepens*



- Haloragis erecta* ssp. *erecta*  
*Hydrocotyle dissecta* (unc)  
*H. heterometria*  
*H. microphylla*  
*H. moschata*  
*H. novae-zeelandiae* s.s. (unc)  
*H. pterocarpa* (unc)  
*H. sulcata* (unc)  
*H. sp.* (unnamed; included in *H. n.z.*,  
as var. *montana*, by Kirk 1899)  
var. (plants smaller than in var.  
*montana*)  
*H. (hybrid?)* (unc)  
*Hypericum japonicum* agg.  
*H. sp.* (unnamed) (plants small; lvs  
lanceolate, 2-3 x 0.7-1 mm)  
*Jovellana repens* (unc)  
*Kelleria dieffenbachii* (P)  
*Lilaeopsis ruttiana*  
*Liparophyllum gunnii*  
*Mentha cunninghamii*  
*Montia fontana* s.s. (unc)  
*Myosotis forsteri* (unc)  
*Myriophyllum pedunculatum*  
ssp. *novae-zeelandiae*  
*M. propinquum*  
*Nertera ciliata*  
*N. seapanioides*  
*N. setulosa*  
*N. sp.* (unnamed; aff. *N. dichondri-*  
*folia*) (hairs present on both sur-  
faces of lf, straight, not hooked  
as in *N. dichondrifolia*)  
*Oreomyrthus sp.* (i) (unnamed;  
included in *O. colensoi*, as  
var. *delicatula*, by Allan 1961)\*  
*O. sp.* (ii) (unnamed; aff. *O. tamosa*)

- Oreostylidium subulatum*  
*Ourisia macrophylla* ssp. *robusta*  
*Oxalis exilis*  
*O. magellanica* (unc)  
*Plantago triandra* s.s.  
*Potentilla anserinoides*  
*Pratia angulata* agg.  
*Ranunculus amphitrichus*  
*R. glabrifolius*  
*R. reflexus*  
*Rumex flexuosus* (unc)  
*Scleranthus uniflora*  
*Stackhousia minima*  
*Stellaria decipiens* (incl. *S. parvi-*  
*flora*)  
*Urtica incisa*  
*Utricularia novae-zeelandiae*  
*Viola cunninghamii*  
*V. filicaulis*  
*V. lyallii* (unc)  
*Wahlenbergia colensoi* (unc)

No. of species: 427.

\* type loc.

Doubtful and erroneous records not included in main list

<u>Record</u>	<u>Probable identity of plants on which record based</u>
Astelia nervosa (McKelvey 1963)	Astelia sp. (unnamed)
Coprosma parviflora (McKelvey 1963)	Coprosma sp. (i) (unnamed)
Cortaderia toetoe (Wallace 1984)	Cortaderia fulvida
Geranium microphyllum (Leathwick et al. 1988)	Geranium sp. (unnamed)
Hebe salicifolia (McKelvey 1963)	Hebe stricta
Oreomyrrhis ramosa (Leathwick et al. 1988)	Oreomyrrhis sp. (unnamed)
	Polystichum vestitum
Rhabdothamnus solandri (McKelvey 1963)	
Uncinia strictissima (Baudal 1988)	Uncinia rubra

Supplement to List 331

Plants in Rangitoto-Ranginui and Waipapa areas not seen on  
Hauhungaroa Ra.

L - recorded by Heathwick et al. (1988)

R - listed from Rangitoto-Ranginui area (List 269)

W - recorded by Wallace (1984)

DICOT TREES

*Dracophyllum traversii* (incl. *D. pyramidale*) (R)

*Laurelia novae-zelandiae* (L)

*Mida salicifolia* (L)

*Nestegis montana* (L)

*Olearia rani* var. *colorata* (L, R)

*Strabulus heterophyllus* (L, as *Paratrophis microphylla*)

*Grammitis pseudociliata* (L, R)

*Hymenophyllum flexuosum* (L)

*H. rufescens* (R)

*Lastreopsis hispida* (L)

ORCHIDS

*Caladenia lyallii* (L)

*Corybas acuminatus* (R)

*Pterostylis cardiostigma* (L)

*Thelymitra pauciflora* (L)

OTHER MONOCOT HERBS

*Lachnagrostis* sp. (unnamed) (L)

*Carex solandri* (R)

*Gahnia rigida* (L, W)

*Isolepis reticularis* (L, R)

*Vincinia banksii* (L)

*V. distans* (R)

*Collospermum hastatum* (L)

DICOT HERBS

*Craspedia* sp. ("Volcanic Plateau") (L)

*Gnaphalium involucreatum* (L)

*G. huahinicum* (R)

*Myriophyllum robustum* (L)

DICOT SHRUBS

*Coprosma tenuicaulis* (L)

*Epactis pauciflora* (L, W)

*Griselinia lucida* (L)

*Olearia furfuracea* (L)

*O. townsonii* (L)

*Pittosporum kirkii* (L)

DICOT LIANES

*Clematis cunninghamii* (L)

*Passiflora tetrandra* (L)

*Rubus australis* (L)

FERNS

*Blechnum filiforme* (L)

REFERENCES

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