

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERMS, FLOWERING PLANTS)
OF WHENUAKURA CLEARING† AND SURROUNDING FOREST,
WHANGANUI RIVER, HAUHUNGAROA RANGE, WEST TAUPO,
700 - 825 M (2300 - 2700 FT)

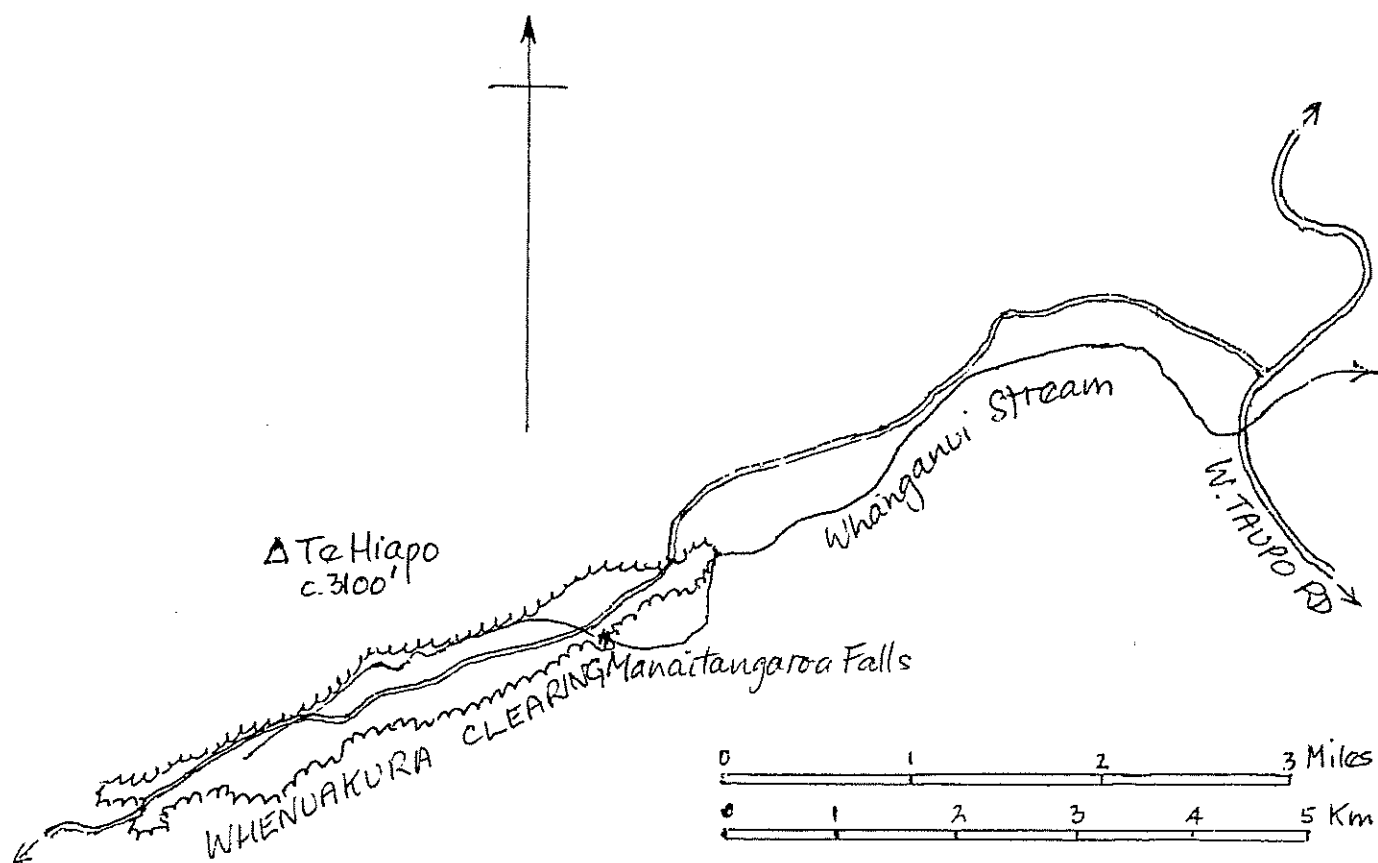
† S.W. end - grid ref. N102 06-23-
 N.E. end - grid ref. N102 11-25-

Private C.A. :
 N102 104 252
 (Manaitangaroa Falls)

A.P. Druce, Botany Division, D.S.I.R., 1972
 (Revised April 1974, June 1975, June 1976, April 1977, June 1977, Sept. 1978,
 Jan 1979, Nov. 1979, June 1980, Aug. 1981, Sept. 1983, June 1984,
 April 1985, Aug. 1988, May 1990, July 1991, July 1992)

Based on visits 1951 (A.P.D.), 1956 (A.P.D.), 1981 (R. Gardner), 1985 (A.P.D.,
 B.D. Clarkson, B.R. Clarkson, S. Wallace)

Additions by S.M. Beadel (1988)



INDIGENOUS SPECIES

(unc)-uncommon

047/2

GYMNOSPERM TREES

Dacrycarpus dactyloides
Dacrydium cupressinum
Halocarpus bidwillii
Lagarostrobos colensoi
Libocedrus bidwillii (unc)
Phyllocladus alpinus ss.

P. trichomanoides ss.

Podocarpus hallii
P. totara ss.
Prumnopitys ferruginea
P. taxifolia

MONOCOT TREES

Cordyline australis
C. indivisa

DICOT TREES

Aristotelia serrata
Carpodetus serratus
Elaeocarpus hookerianus
Fuchsia excorticata
Griselinia littoralis
Hoheria populnea var. *lanceolata*
Melicactus lanceolatus (incl. *M.l.* var. *latior*)
M. ramiflorus ssp. *ramiflorus*
Myrsine salicina
Nestegis cunninghamii
N. lanceolata
Pannantia corymbosa
Pittosporum eugenioides
P. tenuifolium (ssp. *tenuifolium* → ssp. *colensoi*)
P. turneri
Plagianthus regius var. *regius* (unc)

Pseudopanax arboreus var. *arboreus*
P. colensoi s.s.
P. crassifolius
P. edgetleyi
P. simplex (incl. *P.s.* var. *sinclairii*)
Quintinia serrata (incl. *Q. acutifolia* and *Q. elliptica*)
Schefflera digitata
Weinmannia racemosa var. *racemosa*

DICOT SHRUBS

Alseuosmia pusilla
Aristotelia fruticosa var. *microphylla*
A.f. var. *microphylla* X *A. serrata* (unc)
Brachyglottis repanda s.s.
Carmichaelia sp. (subgenus *Carmichaelia*)
Cassinia vauvilliersii (unc)
Coprosma acerosa ssp. (unc)
C. cheesemani ss.
C. foetidissima
C. grandifolia
C. lucida s.s.
C. propinqua ssp. *propinqua*
C. rigida
C. robusta
C. rugosa ssp. *rugosa* (unc)
C. tenuifolia
C. sp. (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (If undersurface not densely hairy as in *C. parviflora*; drupes vs. unpigmented, occ. purplish red)

C. propinqua X *C. robusta* and/or
C. tenuifolia (unc)
Coriaria pteridoides (unc)
Corokia cotoneaster var. *cotoneaster*

Cyathodes empetrifolia

C. sp. (*C. juniperina* agg.) (lvs vs \angle 1 cm long and \angle 1 mm broad)

Diacophyllum subulatum

Epactis alpina (unc)

Gaultheria antipoda

G. macrostigma

G. paniculata (unc)

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

G. antipoda X *G. paniculata* (unc)

G. a. X *G. macrostigma*

G. a. X *G. sp.* (unnamed) (unc)

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

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.

L. fraseri s.s.

Melicope simplex

Myrsine divaricata s.s.

M. d. X *M. salicina* (Beadel 1988)

Necomyrtus pedunculata

Olea arborescens

O. ilicifolia

O. nummulariifolia var. *nummulariifolia* (unc)

O. virgata var. (lvs smaller than in var. *virgata*)

O. arborescens X *O. ilicifolia* (Beadel 1988)

Pimelea prostrata

Pseudopanax anomalus

P. a. X *P. simplex* (unc)

Pseudowintera colorata

DICOT LIANES AND RELATED

TRAILING PLANTS

Clematis foetida (unc)

C. paniculata

C. quadribracteolata

Muehlenbeckia australis

M. axillaris

Parsonsia capsulatis

Rubus cissoides

R. schmidelioides var. *schmidelioides*

LYCOPODS

Lycopodium australianum

L. fastigiatum

L. laterale (incl. *L. ramulosum*?)

L. scariosum

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

L. volubile

FERNS

Asplenium bulbiferum

A. flaccidum

A. polyodon

Blechnum chambersii

B. colensoi

B. discolor

B. fluviatile agg.

B. membranaceum

B. minus

B. penna-marina

B. procerum

B. vulcanicum

B. sp. (unnamed) (common lowland sp.; lower pinnae reduced in length)

B. sp. (unnamed) X *B. procerum* (Beadel 1988)

Bottyechium australe
B. bifforme
Ctenopteris heterophylla
Cyathea dealbata
C. smithii
Dicksonia fibrosa
D. squarrosa
Gleichenia dicarpa
Grammitis billardierei
G. magellanica ssp. *nothofageti*
Histiopteris incisae
Hymenophyllum armstrongii
H. demissum
H. dilatatum
H. flabellatum (Beard 1988)
H. multifidum
H. pulcherrimum
H. rarum
H. revolutum
H. sanguinolentum agg.
H. scabrum
H. armstrongii
Hypolepis millefolium
H. rufobarbata
Leptopteris hymenophylloides
L. superba
Ophioglossum coriaceum agg.
Paesia scaberula
Phymatosorus pustulatus
Polystichum vestitum
Pteridium esculentum
Rumohra adiantiformis (Beard 1988)
Sticherus cunninghamii
Trichomanes reniforme

ORCHIDS

(see p. 5)

GRASSES

Agrostis muscosa (unc)
A. personata
Chionochloa tubra ssp. *tubra*

Cortaderia fulvida
Deyeuxia avenoides (incl. *D. a.* var. *brachyantha*)
D. sp. (*D. quadrisetata* agg.) (lvs narrow)
Festuca novae-zelandiae
Hierochloa redolens (Beard 1988)
Lachnagrostis sp. (unnamed; included in *L. filiformis*, as var. *semiglabra*, by Zotov 1965)

Poa anceps ssp. *anceps*
P. cita ssp.
P. pusilla

Rytidosperma gracile

SEDGES

Baumea tubiginosa
B. tenax
Carex breviculmis
C. comans
C. dipsacea var. (*C. tahoata*)
C. dissita s.s.
C. echinata var. (*C. stellulata* var. *australis*)
C. geminata s.s.
C. lessoniana
C. sinclairii
C. testacea s.s.
Carpha alpina s.s.
Fleocharis gracilis
F. sphacelata (unc)
Gahnia procera
Isolepis crassiuscula
I. fluitans
I. subtilissima
Lepidosperma australe
Oreobolus pectinatus
Schoenus maschalinus
Tetraria capillaris
Uncinia laxiflora
U. tubra

ORCHIDS

- Aporostylis bifolia*
Caladenia sp. (Beadel 1988)
Chiloglottis cornuta (Beadel 1988)
Corybas macranthus (Beadel 1988)
C. oblongus (Beadel 1988)
C. trilobus (Beadel 1988)
Gauoplesium nudum (unc)
Microtis unifolia
Orthoceras novae-zeelandiae (Beadel 1988, as *O. strictum*)
Prasophyllum colensoi (Beadel 1988)
P. sp. (aff. *P. patens*) (Beadel 1988)
- Pterostylis* sp. (or spp.?) (Beadel 1988)
Thelymitra cyanea
T. hatchii (Beadel 1988)
T. longifolia (Beadel 1988)

- U. ropestris* (incl. *U. angustifolia*)
- U. uncinata*
- U. zotovii*
- U. sp. (i)* (unnamed) (*U. affinis* Hamlin 1959, non *U. hyparia* var. *affinis*) (Beardel 1988)
- U. sp. (ii)* (unnamed; aff. *U. nervosa*) (more slender than *U. nervosa*) (see Edgar 1970, p. 23) (unc)

- Lagenifera pumila*
- Microseris scapigera* var.
- Pseudognaphalium* sp. (unnamed; aff. *P. luteoalbum*) (lvs. mostly linear-spathulate to linear, acute)
- Raoulia albosericea*
- R. tanvicaulis* (incl. *R. t.* var. *pusilla* and *R. t.* var. *dimorpha*)
- Senecio minimus*

RUSHES AND ALLIED PLANTS

- Centrolepis ciliata*
- Empodisma minus*
- Juncus antarcticus*
- J. gregiflorus*
- J. novae-zelandiae*
- J. planifolius*
- Luzula decipiens*
- L. picta* s.s.
- L. subclavata* (unc)

DICOT HERBS OTHER THAN COMPOSITES

- Acaena anserinifolia*
- A. microphylla* var. *microphylla*
- Cardamine* sp. (*C. debilis* ass) ("long style" of Pritchard 1957)
- Centella uniflora*
- Dichondria* sp. (aff. *D. brevifolia*)

MONOCOT HERBS OTHER THAN ORCHIDS

GRASSES, SEDGE, RUSHES & ALLIED PLANTS

- Astelia fragrans*
- A. sp.* (unnamed; aff. *A. nervosa*) (lvs. not conspicuously white adaxially as in *A. nervosa*)
- Collospermum microspermum*
- Herpolition novae-zelandiae*
- Phormium tenax*
- Potamogeton suboblongus*
- Triglochin striata*

- Drosera arcturi*
- D. binata*
- D. spatulata*
- Epilobium alsinoides* s.s.
- E. insulare*
- E. pedunculare* s.s.
- E. tenuipes* s.s.
- E. sp.* (unnamed; included in *E. brunnescens*, as ssp. *minutiflorum*, by Raven and Engelman 1971) (unc)
- Gentiana grisebachii* s.s.
- G. sp.* (unnamed; aff. *G. spenceri*) (unc)
- Geranium potentillodes* var. *potentillodes*
- G. sessiliflorum* var. *novae-zelandiae*

COMPOSITE HERBS

- Anaphalis katiensis* s.s.
- Celmisia gracilentata* ssp.
- C. sp.* (unnamed; aff. *C. gracilentata*)*
- Craspedia minor* var. *minor* (incl. *C. major*)
- Gnaphalium audax*
- G. delicatum*
- G. gymnocephalum* (Beardel 1988)
- G. limosum* s.s.
- G. paludosum* (Beardel 1988)
- Helichrysum filicaule*

* (plants strongly rhizomatous)

Gunneta prorepens (unc)
Gonocarpus aggregatus
G. micranthus ssp. *micranthus*
Hydrocotyle heteromera
H. microphylla
H. moschata
H. sulcata (Beadel 1988)
H. sp. (unnamed; included in *H. z.*,
 as var. *montana*, by Kirk 1899)
Hypericum japonicum agg.
H. sp. (unnamed) (much smaller
 than *H. japonicum*)
Liparophyllum gunnii
Myosotis forsteri (unc)
Myriophyllum pedunculatum ssp.
novae-zelandiae
Netteia ciliata
N. scapanioides
N. setulosa
N. sp. (unnamed; aff. *N. dichondri-*
folia (hairs present on both surfaces
 of lf, straight, not hooked as in *N.*
dichondrifolia)
Oreomyrrhis sp. (unnamed; aff. *O. ramosa*)
Oreostylidium subulatum
Oxysia macrophylla ssp. *robusta*
Oxalis exilis
Plantago triandra s.s.
Priatia angulata agg.
Ranunculus glabrifolius
R. reflexus
Stackhousia minima
Urtica incisa
Urticulatia novae-zelandiae

Viola cunninghamii
V. filicaulis

ADVENTIVE SPECIES

DICOT TREES AND SHRUBS

Buddleja davidii

Calluna vulgaris
Laycesteria formosa
Lupinus arboreus
Malus domestica (Beadel 1988)
Prunus sp. (Beadel 1988)
Salix sp. (Beadel 1988)
Sarothamnus scoparius
Teline monspessulana (Beadel 1988)
Ulex europaeus

GRASSES

Agrostis capillaris
Holcus lanatus
Poa annua (unc)

RUSHES

Juncus articulatus
J. effusus (Beadel 1988)

COMPOSITE HERBS

Cirsium vulgare
Conyza floribunda
Crepis capillaris
Gnaphalium sp.
Hieracium pilosella
Hypochoeris radicata
Mycelis muralis
Senecio jacobaea

DICOT HERBS OTHER THAN COMPOSITES

Callitriche stagnalis
Cerastium fontanum ssp.
vulgare
Digitaria purpurea (Beadel 1988)
Hypericum perforatum
Linum catharticum

Lotus pedunculatus (Beardal 1988)
Prunus vulgaris
Rumex acetosella
Sagina procumbens (Beardal 1988)
Trifolium repens
Veronica serpyllifolia (Beardal 1988)

No. of indigenous spp.: 277.
No. of adventive spp.: 34.

Record not accepted

Uncinia strictissima (Beardal 1988)
 (= *U. rubra*)

REFERENCES

- Beardal, S.M. 1988: Rotomania Bot. Soc. Newsl. 15: 38-43.
 Druce, A.P. 1953: Bull. Wellington Bot. Soc. 26: 18-22.
 Edgar, E. 1970: In "Flora of N.Z." Vol. 2. Govt. Printer.
 Franklin, D.A. 1962: T.R.S.N.Z. Bot. 1: 65-73.
 Hamlin, B.G. 1959: A revision of the genus *Uncinia* in N.Z. Dom. Mus. Bull. 19.
 Kirk, T. 1899: The Students' Flora of N.Z. Govt. Printer.
 Oliver, W.R.B. 1935: The genus *Coprosma*. Bishop Mus. Bull. 132.
 Pritchard, G.G. 1957: T.R.S.N.Z. 85: 75-89.
 Raven, P.H.; Engalhorn, T. 1971: N.Z. J. Bot. 9: 345-50.
 Zotov, V.D. 1965: Rec. Dom. Mus. Wellington 5: 101-46
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