

VASCULAR PLANTS OF NATURAL CLEARINGS IN THE VICINITY OF LAKE WAIKAREITI, UREWERA NATIONAL PARK, 2700-3200 FT

~ 96 590330

A.P. Druce, Botany Division, D.S.I.R., 1972 (revised Oct 1974

- July 1975
- June 1976
- May 1977
- March 1978
- May 1979
- June 1980
- April 1982
- June 1985
- July 1985
- Sept. 1985
- March 1987
- Nov. 1987
- June 1988
- Aug. 1990
- July 1991

(Based on visits 1968 and 1973)

(2,3,...14) - clearings in which plant has been seen (see map on next page)

(M) - seen only on margins of clearings

(sd) - seedlings seen, but no adults

INDIGENOUS PLANTS

GYMNOSPERM TREES AND SHRUBS

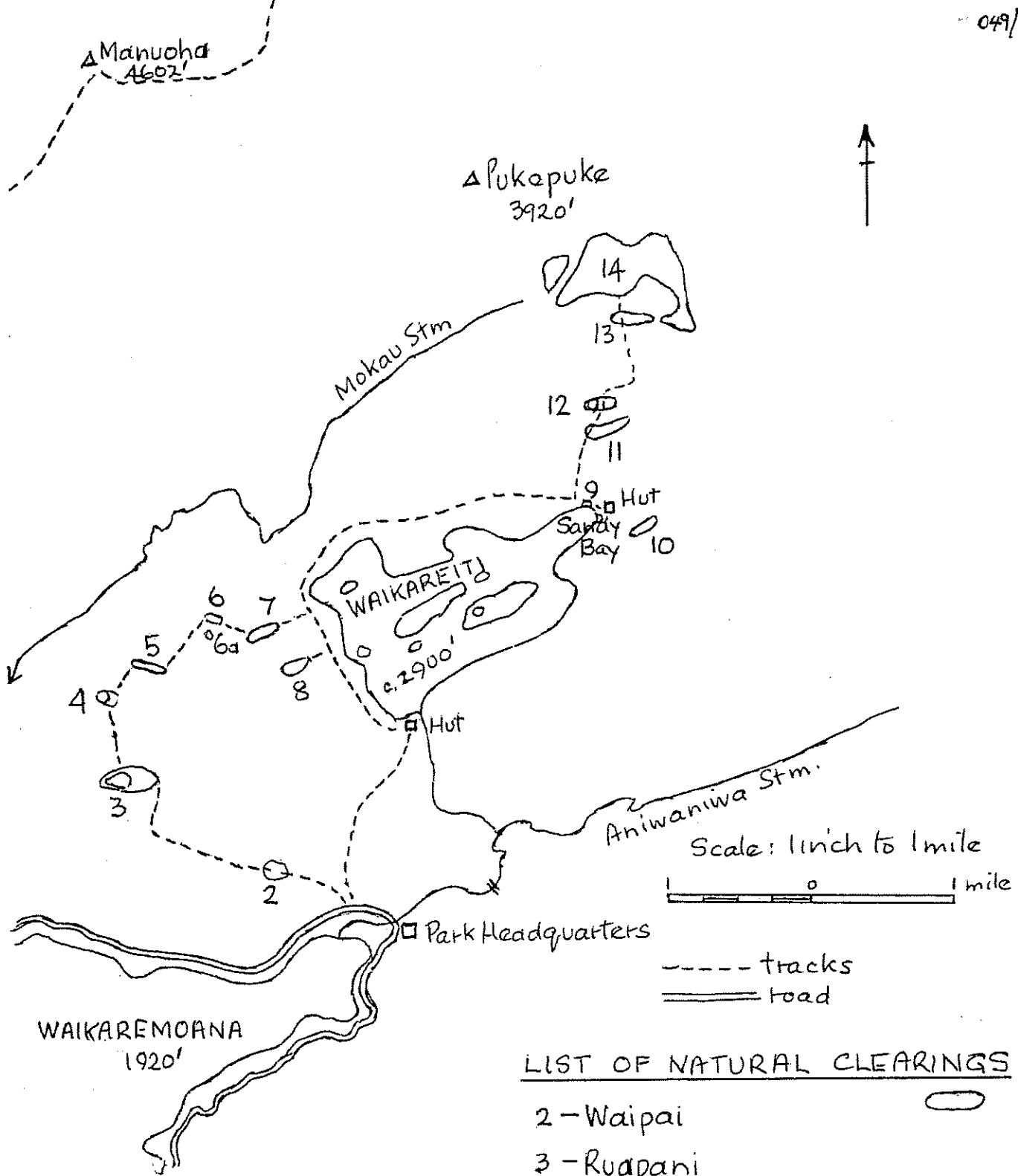
- Dacrycarpus dactyloides* (2)(M)
- Halocarpus bidwillii* (2,3,6,8,11,12,13,14)
- H. biformis* (13)(M)
- Lagarostrobos colensoi* (2,6,8,11,12,13,14)
- Lepidothamnus laxifolius* (11,13,14)
- Libocedrus bidwillii* (8,13,14) (M - many dead)
- Phyllocladus alpinus* (2,6,8,11,12,13,14)
  
- P. glaucus* (6,8)(M)
- P. alpinus* x *P. glaucus* (6)(M)
- Podocarpus hallii* (8,12,14)(M)

DICOT TREES

- Elaeocarpus hookerianus* (4,5,6,7,8,10,11,12)(M)
- Nothofagus fusca* (5,8,11)(M)
- N. menziesii* (5,6,8,11,12,14)
- Pseudopanax colensoi* s.s. (11sd)
- P. simplex* (incl. *P. s.* var. *sinclairii*) (10,11,12sd)(M)

DICOT SHRUBS

- Atistotelia fruticosa* var. *mictophylla* (14)
- Coprosma foetidissima* (6,8,11)(M)
- C. propinqua* ssp. *propinqua* (incl. *C. p.* var. *latiuscula*) (7,9,14)
- C. rigida* (7,9)
- C. rugosa* ssp. *rugosa* (14)
- C. sp. (i)* (unnamed; included in *C. parviflora* by Oliver, 1935, and others) (If undersurface not minutely hairy as is usual in *C. parviflora*; drupes us. unpigmented, occ. purplish red) (2,3,4,5,6,7,8,9,10,11,12,13,14)
- C. sp. (ii)* (unnamed) (*C. parviflora* var. *dumosa* sensu Allan 1961, non *C. p.* var. *dumosa* Cheeseman) (11,12,13)
  
- Cyathodes ampelifolia* (2,3,5,6,8,10,11,12,13,14)
- Dracophyllum longifolium* var. (incl. *D. filifolium* and *D. oliveri*) (2,3,6,7,8,10,11,12,13,14)



LIST OF NATURAL CLEARINGS

- 2 - Waipai ○
- 3 - Ruapani
- 4 - Whano-o-Ruapani
- 5 - Hine Waho
- 6 - Hine Rere    6a - Nutu Manu
- 7 - Puna Hokoi ("Paradise")
- 8 - Puna Teao
- 9 - Sandy Bay
- 10 -
- 11 - Ngapehi-o-waikareiti
- 12 - Oranga Kohau ("L. Henrietta")
- 13 - ("Sopp's")
- 14 - Kaipo

*Gaultheria antipoda* (3,9)(M)

*G. sp.* (unnamed; included in *G. depressa*,  
as var. *novae-zelandiae*, by Franklyn 1962)  
(11,13,14)

*Hebe odora* s.s. (11,12,13,14)

*Leptospermum scoparium* var.

*Leucopogon fasciculatus* var. (3,7,11,14)(M)

*Myrsine divaricata* s.s.

(2,3,4,5,6,7,8,9,11,12,13,14)

*Neomyrtus pedunculata* (2,3,4,5,8,11,13,14)

*Pentachondria pumila* (14)

### DICOT LIANES

*Muehlenbeckia australis* (12,13)(M)

*M. complexa* (3)(M)

*M. australis* X *M. complexa* (3,7)(M)

*Rubus cissoides* var. *cissoides* (3,7,12)(M)

*R. schmidelioides* var. *schmidelioides* (7)(M)

*R. cissoides* X *R. schmidelioides* (7)(M)

### LYCOPODS

*Lycopodium australianum* (11,13)

*L. fastigiatum* (7,10,11,13,14)

*L. laterale* (incl. *L. tamulosum?*) (2,13,14)

*L. scariosum* (11,14)

### FERNS

*Blechnum minus* (8,9,10,11,12,13,14)

*B. penna-marina* (4,7,8,9,10,11,14)

*Gleichenia dicarpa* (12,13,14)

*Histiopteris incisa* (3,5,7,8,10,11,12)(M)

*Hymenophyllum malingii* (8,9)(M, on  
*Libocedrus bidwillii*)

*H. multifidum* (9)

*Hypolepis ambigua* (4,9)(M)

*H. mille-folium* (2,7)

*H. rufobarbata* (10,12)(M)

*Ophioglossum coriaceum* agg. (7)

*Paesia scaberula* (3,5,10,11,14)

*Polystichum vestitum* (14)(M)

*Pteridium esculentum* (3,9,11)(M)

*Schizaea australis* (14)

### ORCHIDS

*Aporostylis bifolia* (6,8,10,11,13,14)

*Chiloglottis cornuta* (2,4,7,8,11,13)

*Prasophyllum colensoi* (3,10,11,13,14)

*Thelymitra cyanea* (2,13,14)

### GRASSES

*Agrostis personata*

(2,3,4,5,7,8,10,11,12,13,14)

*Chionochloa tubra* var. (13,14)

*C. conspicua* ssp. *cunninghamii* X

*C. tubra* (14)(M)

*Cortaderia fulvida* (4,9)

*Deschampsia caespitosa* var.  
*mactrantha* (3,4)

*D. novae-zelandiae* (3)

*Deyeuxia avenoides* (incl. *D. a.* var.  
*brachyantha* (13,14)

*Dichelachne cinnifolia* (9)(M)

- Elymus harrutoides* (7, 14)
- Hierochloa redolens* (3, 4, 9, 10, 11, 13, 14)
- Lachnagrostis striata* (3, 4, 5, 7, 11, 13)
- L. sp. (i)* (unnamed; included in *L. filiformis*, as var. *semi-glabra*, by Zotov 1965) (9) (M)
- L. sp. (ii)* (unnamed) (tall, slender; lvs narrow; awns short) (3, 4, 5, 7, 11, 13, 14)
- Microlaena arenacea* (8, 11, 14)
- M. stipoides* (10)
- Poa breviglumis* (3, 5, 7, 10, 14)
- Rytidosperma gracile* (1, 3, 4, 7, 8, 9, 10, 11, 12, 13, 14)

**SEDGES**

- Baukea huttonii* (9)
- B. rubiginosa* (2, 14)
- Carex dipsacea* var. *dipsacea* (7, 9, 14)
- C. dissita* s.s. (2, 3, 7, 9, 10, 11, 13, 14)
- C. echinata* var. (*C. stellulata* var. *australis*) (2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
- C. gaudichaudiana* (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
- C. secta* s.s. (2, 3, 4, 6, 9)
- C. sindaitii* (2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
- C. virgata* (3)
- C. sp. (Sect. Acutae)* (9)
- Carpha alpina* s.s. (8, 10, 11, 12, 13, 14)
- Eleocharis acuta* (2, 3, 4, 5, 7, 9, 10, 11)
- E. gracilis* (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
- E. sphacelata* (6, 14)
- Gahnia procera* (8, 10, 13, 14)
- Isolepis habra* (8, 9, 11, 14)
- I. pottsii* (2, 7, 8, 9)
- I. reticulatis* (2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14)
- I. subtilissima* (5, 7, 8, 9, 10, 11, 12, 13, 14)
- Lepidosperma australe* (3, 4, 8, 10, 11, 12, 13, 14)

- Oreobolus pectinatus* (2, 3, 6, 8, 10, 11, 12, 13, 14)
- Schoenus maschalinus* (3, 5, 7, 9, 13, 14)
- Uncinia rupestris* (11)
- U. uncinata* (14) (M)

**RUSHES**

- Centropogon ciliata* (2, 8, 11, 13, 14)
- Empodisma minus* (2, 8, 11, 12, 13, 14)
- Juncus fragiflorus* (2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14)
- J. novae-zelandiae* (5, 7, 9, 10, 11, 13, 14)
- Luzula sp.* (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966) (3, 4, 7, 9, 11, 13)

**MONOCOT HERBS (OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES)**

- Astelia sp.* (unnamed; aff. *A. nervosa*) (lvs not conspicuously white adaxially as in *A. nervosa*) (14) (M)
- Libertia pulchella* (8) (M)
- Luzuriaga parviflora* (5, 6, 8, 10, 11)
- Potamogeton suboblongus* (8, 12, 13, 14)
- Triglochin striata* (9)

**COMPOSITE HERBS**

- Anaphalis keiianensis* s.s. (9) (M)
- A. sp.* (*Helichrysum bellidioides* s.s.) (9, 11)
- Celmisia sp.* (plants strongly rhizomatous) (10, 11, 12, 13, 14)
- Gnaphalium audax* (14)
- G. delicatum* (3, 7, 9, 13, 14)
- G. gymnocephalum* (7, 9)
- G. involucreatum* (3)
- G. limosum* s.s. (2, 3, 7, 9, 14)
- G. paludosum* s.s. (14)

Ranunculus amphitrichus (2,3,4,5,7,8,9,10,11,13,14) Senecio jacobaea

R. reflexus (7,9)

S. sylvaticus

S. vulgare

R. sp. (cf. R. royi) (2,7,9,10,13,14)

Taraxacum officinale s.l.

Schizanthus trifoliolatus (7,14)

Stellaria decipiens (incl. S. parviflora) (5,11)

Urtica incisa (7,9)

Viola cunninghamii (11,13,14)

V. lyallii (2,3,4,5,7,8,9,13)

DICOT HERBS (OTHER THAN COMPOSITES)

Cerastium fontanum ssp. vulgare

Digitalis purpurea

Linum catharticum

Myosotis sp.

Prunella vulgaris

Ranunculus repens

Rumex acetosella

Sagina procumbens

Trifolium repens

Veronica serpyllifolia

ADVENTIVE PLANTS

GRASSES

Agrostis capillaris

A. stolonifera

Festuca arundinacea s.l.

Holcus lanatus

Poa annua

P. trivialis

RUSHES

Juncus articulatus

J. bufonius

J. tenuis

COMPOSITE HERBS

Cirsium arvense

C. vulgare

Conyza floribunda

Crepis capillaris

Gnaphalium coarctatum

Hypochoeris radicata

Leontodon taraxacoides

Mycelis muralis

No. of indigenous spp: 173.

No. of adventive spp: 31.

G. traversii (7)  
Helichrysum filicaule (9, 14)

Lagenifera pumila (7, 9, 14)  
L. strangulata (11, 14) (M)

Pseudognaphalium sp. (unnamed; aff. P. luteoalbum)  
(lvs mostly linear-spathulate to linear acute) (= Gnaphalium luteoalbum var. incanum) (3, 4)  
Senecio minimus (a) (M)

DICOT HERBS (OTHER THAN COMPOSITES)

Acaena ansetinifolia (3, 4, 5, 7, 9, 10, 14)  
Cardamine sp. (i) (C. debilis agg.) ("Long Style" of Pritchard 1957) (7, 11)  
C. sp. (ii) (C. debilis agg.) (fls apetalous) (7)  
Callitriche pettizei ssp. pettizei (9)  
Centella uniflora (3)  
Drosera binata (2, 3, 6, 8, 10, 11, 13, 14)  
D. spathulata (2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14)  
Epilobium alsinoides s.s. (3, 4, 7, 14)  
E. brunnescens s.s. (9)  
E. insulare (7, 14)  
E. komarovianum (7)

E. netteroides (7)  
E. pedunculata agg. (7)  
E. sp. (unnamed; included in E. brunnescens, as ssp. minutiflorum, by Raven and Engelhorn, 1971) (14)

Galium trilobum (7, 9)  
Gentiana sp. (unnamed; aff. G. spenceri) (discussed by Allan 1961, p. 769) (14)

Geranium microphyllum (7, 10)  
Gonocarpus aggregatus (11, 14)  
G. micranthus ssp. micranthus (3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14)  
Gratiola sexdentata (3)  
Hydrocotyle heterometra (9, 10)  
H. hydrophila (2, 3, 9, 13)  
H. microphylla (2, 3, 4, 5, 7, 8, 13)  
H. moschata (3, 5, 7, 10, 11, 13, 14)  
H. novae-zeelandiae s.s. (2, 3, 4, 5, 7, 9, 10, 13)  
H. pterocarpa (2)  
H. sulcata (7, 8, 10, 11, 13, 14)

Hypericum japonicum (3, 7)  
Hypsela rivalis (2, 3, 4, 5, 7, 8, 10, 11, 13, 14)  
Lilaeopsis tuthiana (2, 3, 4, 5, 7, 9, 14)  
Mentha cunninghamii (9)  
Myosotis venosa (14)  
Myriophyllum pedunculatum ssp. novae-zeelandiae (4, 5, 7, 8, 10, 11, 12, 13, 14)  
M. propinquum (2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14)  
Nertera ciliata (13, 14)  
N. depressa (incl. N. cunninghamii) (9)  
N. scapanioides (2, 3, 6, 7, 8, 10, 11, 12, 13, 14)  
N. sp. (unnamed; aff. N. dichondrifolia) (hairs present on both surfaces of lf, straight, not hooked as in N. dichondrifolia) (10) (M)

Osteomyrrhis ramosa (4, 7, 9, 10, 11, 13, 14)  
Oxalis magellanica agg. (9, 14)  
Potentilla ansetinoides (7, 9)  
Pratia angulata<sup>agg.</sup> (2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14)  
P. perpusilla (3)