

HIGHER PLANTS (LYCOPODS, FERNS, GYMNOSPERM  
FLOWERING & PLANTS) OF RED HILL ULTRAMAFIC AREA,<sup>†</sup>  
WHANGAMOYA VALLEY, NELSON,  
1000-1475 FT (300-450 M)

Grid.ref. S15 89-46-

A.P. Druce, Wellington, and W.D. Burke, Nelson

May 1983 (revised July 1983, Nov. 1983)

Oct 1983, Sept. 1984

Based on visit Nov. 1982

Nov. 1984, July 1986

Vegetation: forest and scrub

June 1986, Aug 1986, Apr. 1986

INDIGENOUS PLANTS

(unc) - uncommon

GYMNOSPERM TREES

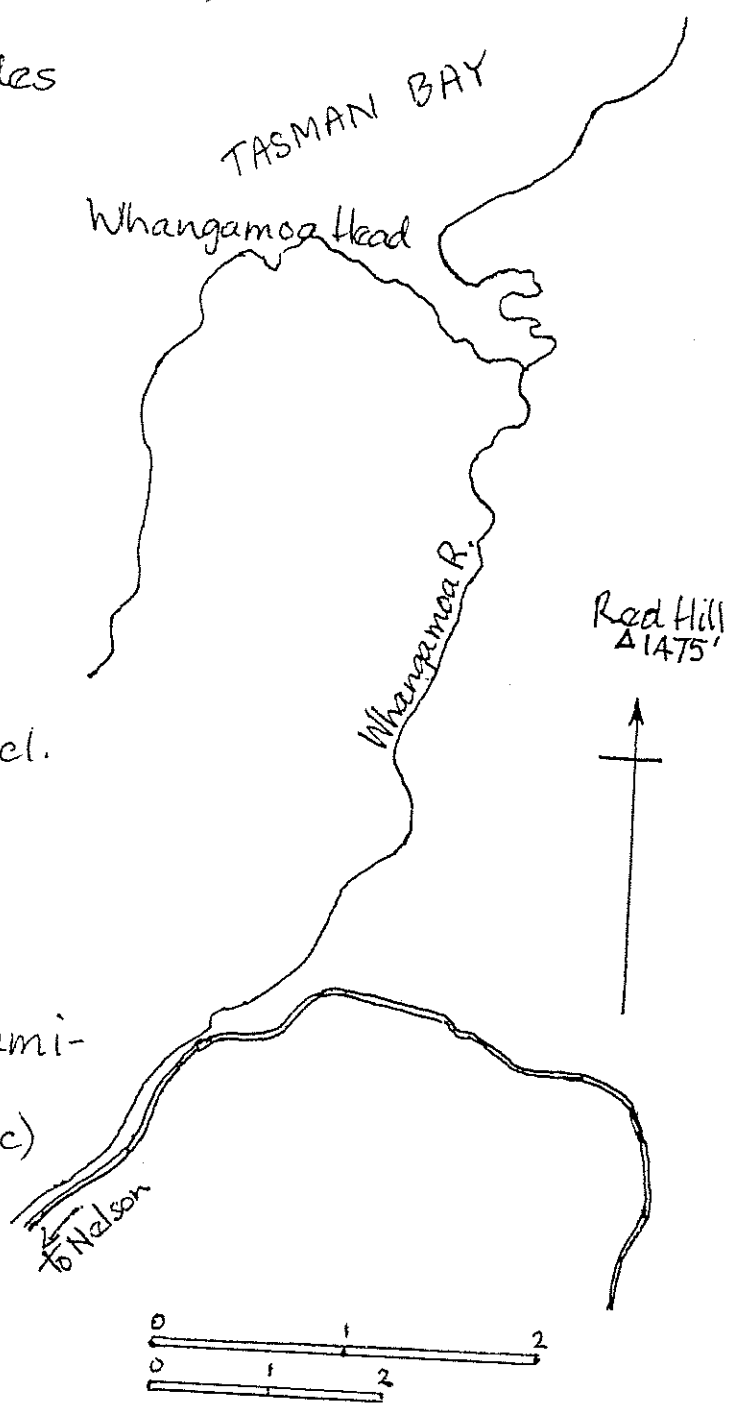
- Dacrycarpus dactydioides*
- Dactyidium cupressinum*
- Podocarpus hallii*
- Prumnopitys ferruginea*
- P. taxifolia*

MONOCOT TREES

- Cordyline banksii*

DICOT TREES

- Aristotelia serrata*
- Baileismiedia tawa*
- Carpodetus serratus*
- Dodonaea viscosa*
- Elaeocarpus dentatus* (incl. E.d. var. *obovatus*) (unc)
- Griselinia littoralis*
- Hedycarya arborea*
- Lophomyrtus obcordata*
- L. bullata* X *L. obcordata*
- Melicytus tamiflorus* ssp. *tamiflorus*
- Metrosideros umbellata* (unc)
- Myrsine australis*
- Nothofagus solandri* var. *solandri*
- N. truncata*
- N. solandri* X *N. truncata* (unc)



Olearia paniculata  
O. rani var. colorata  
Pittosporum eugenoides  
P. tenuifolium ssp. tenuifolium  
Pseudopanax arboreus var.  
arboreus  
P. crassifolius  
Weinmannia racemosa var.  
racemosa

### DICOT SHRUBS

Aristotelia fruticosa var.  
Brachyglottis repanda s.s.  
Carmichaelia sp. (subgenus Carmich.)  
Cassinia leptophylla var. leptophylla  
C. vauvilliersii

Coprosma acerosa ssp. (unc)

C. ciliata ssp. ciliata  
C. foetidissima  
C. lucida s.s.  
C. propinqua ssp. propinqua

C. rhamnoides (incl. C. polymorpha)

C. sp. (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)

C. propinqua X C. robusta

Corokia cotoneaster (Cochayne 1928)

Cyathodes sp. (C. juniperina agg.)  
(vs. small, vs.  $\angle 1\text{cm} \times \angle 1\text{mm}$ )

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

Gaultheria antipoda

Hebe gracillima (unc)  
H. stricta var. atkinsonii (Ckn 1928)  
H. urvilleana  
H. sp. (Veronica squalida) (unc)

Kunzea ericoides agg.  
Melicytus alpinus s.s. (unc)  
Leptospermum scoparium  
Leucopogon fasciculatus var.  
L. fraseri s.s.  
Malicope simplex (Cochayne 1928)

Myrsine divaricata s.s. (unc)  
M. cl. X M. salicina (incl. M. montana) (unc)  
Olearia arborescens (unc)  
O. serpentina  
Pimelea gnidia var.  
P. prostrata  
P. tomentosa (unc)  
P. sp. (undetermined)

Pseudopanax anomalus

### DICOT LIANES

Clematis forsteri ("rutifolia" forms)

C. paniculata  
Metrosideros fulgens  
Muehlenbeckia australis  
M. complexa (unc)  
Rubus cissoides var. (leaflets broader than in var. cissoides)

### MONOCOT LIANES

Ripogonum scandens

### LYCOPODS

Lycopodium australianum (unc)  
L. varium (incl. L. billardieri and L. novae-zelandicum)  
L. volubile

## FERNS

*Adiantum cunninghamii*

*Asplenium flabellifolium* agg.

*A. flaccidum*

*A. hookeriae* var.

*A. oblongifolium*

*A. terrestre* ssp. *terrestre*

*Blechnum discolor*

*B. filiforme*

*B. procerum*

*B. vulcanicum*

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

*Ctenopteris heterophylla*

*Dicksonia squarrosa*

*Hymenophyllum dilatatum*

*H. sanguinolentum* agg.

*Lastreopsis hispida*

*Lindsaea linearis* (unc)

*Paesia scaberula*

*Phymatosorus pustulatus*

*Polystichum richardii*

*Pteridium esculentum*

*Pyrosia cleagnifolia*

*Cyathea dealbata*

*C. medullaris*

## ORCHIDS

*Acianthus sinclairii* (unc)

*Cytostylis teniformis* s.s. (unc)

*Caladenia catenata* (unc)

*Corybas trilobus* s.s.

*C. sp. (C. macranthus or C. rivularis)* (unc)

*Dendrobium cunninghamii*

*Eria autumnalis*

*E. mucronata* s.s.

*Microtis unifolia*

*Prasophyllum colensoi* (unc)

*Pterostylis banksii*

*P. sp. (P. itsoniana?)* (unc)

*Thelymitra decora* (unc)

*T. longifolia*

## GRASSES

*Dichelachne chinata*

*Festuca sp. (unnamed; aff. F. tu)*

*Microlaena avenacea*

*M. stipoides*

*Poa cita* ssp. (unc)

*P. colensoi* (Cochayne 1928)

*Rytidosperma clavatum*

*R. gracile*

## SEDGES

*Baumea rubiginosa*

*B. tenax*

*Carex breviculmis*

*C. deva*

*Gahnia pauciflora*

*Lepidosperma australe*

*Schoenus pauciflorus* (Chn 1928)

*Isolepis subtilissima* (unc)

*Uncinia banksii*

*U. fusco-vaginata* var. (glauca)

*U. scabra*

*U. uncinata*

## RUSHES

*Luzula picta* agg.

## MONOCOT HERBS OTHER THAN ORCHIDS, GRASSES, SEDGES, RUSHES

*Astelia fragrans*

*A. solandri*

*A. sp. (unnamed; aff. A. nervosa)*  
(lvs not conspicuously white adaxially) (unc)

*Collospermum hastatum*

*Dianella nigra*

*Libertia grandiflora*

*Phormium cookianum*

COMPOSITE HERBS

- Gnaphalium audax
- Pseudognaphalium sp. (unnamed; aff. P. luteolum) (lvs mostly linear-spathulate to linear, acute)
- Helichthysum filicaule (unc)
- Lagenifera pumila
- Senecio hispidulus
- S. minimus
- Vittadinia australis agg. (unc)

ADVENTIVE PLANTS

DICOT SHRUBS

Erica sp.

GRASSES

- Agrostis capillaris
- Aitā caryophyllea
- Anthoxanthum odoratum
- Holcus lanatus
- Vulpia bromoides

DICOT HERBS OTHER THAN COMPOSITES

- Acaena anserifolia
- Colobanthus sp. (unnamed) (superficially like Sagina procumbens) (unc)
- Daucus glochidiatus (unc)
- Dichondra repens var.
- Drosera peltata ssp. auriculata
- Euphrasia cuneata
- Gentiana sp. (aff. G. tenuifolia)
- Geranium potentilloides var. potentilloides (unc)
- Gonocarpus sp. (cf. G. incanus & G. montanus) (unc)
- Haloragis erecta ssp. erecta
- Hydrocotyle moschata
- Nertera depressa (incl. N. cunninghamii)
- Ranunculus reflexus
- Scleranthus biflorus
- Stellaria decipiens (incl. S. parviflora)
- Viola cunninghamii (unc)
- Wahlenbergia colensoi (unc)

COMPOSITE HERBS

- Hypochoeris radicata
- Senecio jacobaea

DICOT HERBS OTHER THAN

COMPOSITES

- Anagallis arvensis
- Cerastium sp.
- Wahlenbergia marginata

No. of indigenous spp.: 160.

No. of adventive spp.: 11.

REFERENCES

Cochayne, L. 1928: "The Vegetation of New Zealand". 2nd ed. (p. 194).  
 Oliver, W.R.B. 1935: The genus Coprosma. Bishop Mus. Bull. 132.

Doubtful and erroneous records

- Libertia ixioides (Cochayne 1928)
- Clematis marata (Cochayne 1928) - - - [= C. forsteri ("tutifolia" forms)]
- Myrsine chathamica (Cochayne 1928, - [= M. divaricata x M. salicina] as Suttonia chathamica)
- Hebe hybrids (Cochayne 1928) - - - - [none seen]
- Coprosma parviflora (Cochayne 1928) - - - [= C. sp. (unnamed)]