

HIGHER PLANTS (FERNS, GYMNOSPERMS, FLOWERING PLANTS)
OF BURGOO FLAT† (PERIODICALLY A LAKE), N.W. NELSON

† Grid ref. S13 937580; alt. 3400ft/1030 m

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(revised Sept. 1982, June 1983, June 1984, Aug. 1984, Nov. 1984,
April 1986, Oct. 1986, June 1988, Sept. 1990, July 1991, Aug. 1992,
June 1993)

(Based on visits March 1982 and Feb. 1988)

(unc) - uncommon

(M) - seen only at margins of flat

(M/R) - seen only on rocks, at margins of flat

INDIGENOUS PLANTS

GYMNOSPERMS

- Halocarpus bidwillii (M)
- H. bidwillii X H. biformis (M)
- Phyllocladus alpinus agg. (M) (unc)

- Hebe canterburienensis (M)
- H. odora s.s.
- H. topiaria (M/R) (unc)
- H. vernicosa (M) (unc)
- H. sp. (Leonohebe masoniae*) (M)

DICOT SHRUBS

- Archera traversii (incl. A. t. var. australis) (M)
- Aristotelia fruticosa var. (M) (unc)
- Brachyglottis rotundifolia var. (incl. B. buechananii and B. cockaynei) (M/R) (unc)
- Cassinia vauvilliersii (M)

- Leptospermum scoparium (unc)
- Leucopogon fraseri s.s. (M) (unc)
- Myrsine divaricata s.s. (M)
- Pseudopanax sp. (unnamed; included in P. colensoi, as var. fiordensis and as var. ternatus, by Wardle 1968) (M/R) (unc)

- Coprosma ciliata ssp. ciliata (M)
- C. foetidissima (M/R) (unc)
- C. pseudocuneata ssp. (M) (unc)
- C. sp. (i) (unnamed) (C. parviflora var. dumosa sensu Allan 1961, non C. p. var. dumosa Cheeseman) (M)

LIANES AND RELATED TRAILING PLANTS

- Rubus parvus (M) (unc)

- C. sp. (ii) (unnamed; included in C. parviflora by Oliver, 1935, and others) (If undersurface not minutely hairy as is usual in C. parviflora; drupes usually unpigmented, occasionally purplish red) (M)

LYCOPODS

- Lycopodium varium (incl. L. billardierei and L. novae-zeelandicum) (M/R) (unc)

FERNS

- Cyathodes empetrifolia (M) (unc)
- Dracophyllum longifolium var. (incl. D. filifolium and D. oliveri) (M - north-east side of clearing)
- Gaultheria macrostigma (M)
- G. sp. (M/R) (unc)
- Griselinia littoralis (M/R) (unc)

- Asplenium flaccidum (M/R) (unc)
- Blechnum fluviatile agg. (M/R) (unc)
- B. penna-marina (M) (unc)
- B. procerum (M) (unc)
- Grammitis billardierei (M/R) (unc)
- G. magellanica ssp. nothofageti (M/R) (unc)
- Hymenophyllum multifidum (M/R)
- H. peltatum (M/R) (unc)
- H. villosum (M/R) (unc)
- Hypolepis millefolium (M)
- Polystichum vestitum (M) (unc)

* (incl. h. m. var. rotundata)

ORCHIDS

Aporostylis bifolia (M)(unc)
Prasophyllum colensoi (unc)

GRASSES

Agrostis sp. (unnamed; aff. *A. dyeri*) (panicle not contracted as in *A. dyeri*) (M/R)(unc)

A. personata (M)(unc)

Chionochloa pallens ssp. *pallens* (M)(unc)

C. tubra ssp. *occulta* (M)(unc)

Deschampsia novae-zelandiae

Hierochloa novae-zelandiae (M)(unc)

Lachnagrostis lyallii (incl.

L. filiformis var. *samiglabra*)

L. sp. (unnamed) (glumes up to 4 mm long; awns short or absent) (M)(unc)

Poa breviglumis (M/R)(unc)

P. colensoi

P. maia (M/R)(unc)

P. pusilla (unc)

Rytidosperma australe (unc)

R. gracile

R. setifolium (M/R)(unc)

SEDGES

Carex comans (M)(unc)

C. echinata

C. flaviformis

C. gaudichaudiana

C. kirkii (incl. *C. k.* var. *elatioi*) (unc)

C. libera (M/R)(unc)

C. sinclairii

Carpha alpina s.s.

Fleocharis acuta

E. gracilis

Isolepis aucklandica

I. caligenis (unc)

I. habra (M)(unc)

I. subtilissima (unc)

Oreobolus pectinatus

O. strictus

Schoenus pauciflorus s.s.

("Slender form" of Edgar 1970, p. 194)

Uncinia astonii (M)(unc)

U. egmontiana (M)(unc)

U. fuscovaginata var. (plants glaucous) (M)(unc)

U. longifructus (M/R)(unc)

U. sp. (unnamed; aff. *A. nervosa*) (plants more slender than in *A. nervosa*; see Edgar 1970, p. 231) (M)(unc)

RUSHES

Juncus antarcticus (unc)

J. novae-zelandiae

J. pusillus

Luzula picta s.s. (M/R)(unc)

L. sp. (unnamed; included in *L. picta*, as var. *limosa*, by Edgar 1966) (unc)

MONOCOT HERBS OTHER THAN

DICOT HERBS OTHER THAN COMPOSITES

ORCHIDS, GRASSES, SEDGES, RUSHES

Astelia linearis var. *linearis*
A. sp. (unnamed; aff. *A. nervosa*)
 (lvs broad, not conspicuously
 white adaxially as in *A. nervosa*)
 (M)(unc)

Acaena anseriniifolia (M)
Anisotome sp. (unnamed) (turf-
 forming herbs; in fls short, up to
 5cm)
Cardamine sp. (i) (cf. *C. corymbosa*)
 (M)(unc)
C. sp. (ii) (cf. "Long Style" of Pritchard
 1957) (M)(unc)

COMPOSITE HERBS

Abrotanella caespitosa (M)
A. linearis s.s. (M)(unc)
Anaphalis sp. (*Helichrysum*
bellidioides s.s.)
Brachyglottis sp. (unnamed; includ-
 ed in *B. bellidioides*, as var. *crassa*,
 by Nordenstam 1978) (M/R)(unc)
Celmisia alpina s.s.
C. hieracifolia ssp (M/R)(unc)
Craspedia sp. (unnamed) (plants
 summer green; fls white)

Drosera arcturi (unc)
Epilobium komarovianum
Galium perpusillum s.s.
Gentiana matthewsii
Gonocarpus aggregatus (M)(unc)
G. micranthus ssp. *micranthus*
Hydrocotyle microphylla (M)
H. sulcata
Hypsela sp. (unnamed) (minute
 herbs; fls 3mm diam.; corolla
 lobes narrowly lanceolate)

Gnaphalium laterale
G. mackayi s.s.

Kalleria laxa (M)(unc)
Lilaeopsis ruthiana
Limosella lineata agg.
Myosotis forsteri (M)(unc)
Myriophyllum pedunculatum ssp.
novae-zealandiae
Nerteta balfouriana s.s.
N. sp. (unnamed; aff. *N. dichondri-*

Lagenifera strangulata (M)(unc)
Leptinella sp. (unnamed; includ-
 ed in *L. squalida*, as ssp. *med-*
iana, by Lloyd and Webb, 1987)

folia) (hairs present on both surf-
 aces of lf, straight, not hooked
 as in *N. dichondrifolia*) (M)(unc)
Oreomyrrhis colensoi s.s. (incl.
O. c. var. hispida, and *O. c. var.*
multifida)

Oreostylidium subulatum

SEDGES

Ourisia lactea ssp. lactea (M)(unc) Carex ovalis (M)

Oxalis magellanica (M)(unc)

Parahebe lyallii (M)(unc)

RUSHES

Plantago triandra s.s.

Juncus articulatus (unc)

P. uniflora (M)

J. effusus

Pratia angulata agg.

J. bulbosus (unc)

Ranunculus foliosus (M)(unc)

DICOT HERBS

Cerastium fontanum ssp. vulgare
(M)(unc)

R. glabri folius

Sagina procumbens (M)(unc)

R. simulans

R. ternatifolius (M)

R. verticillatus (M)(unc)

No. of indigenous species: 135.

R. sp. (unnamed; aff. R. foliosus)
(lvs dissected)

No. of adventive species: 8.

R. ternatifolius x R. sp. (unnamed)
(M)(unc)

Schizaeilema nitens

Stellaria decipiens (incl. S.
parviflora) (M)(unc)

Viola cunninghamii

V. filicaulis (M)(unc)

V. lyallii

ADVENTIVE PLANTS

GRASSES

Agrostis capillaris (unc)

Poa pratensis (M)(unc)

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