

INDIGENOUS HIGHER PLANTS (FERNS, QUILLWORTS, GYMNOSPERMS,
FLOWERING PLANTS) OF LAKES WAIRARAPA AND ONOKE, AND
SURROUNDING NON-FOREST WETLANDS, WAIRARAPA

N161 and N165 Sea-level to 3m (loft)

→ Allcops Bay: N165 2700 1220

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

(With additions by C.C. Ogle, Wildlife Service)

(revised June 1976, Oct. 1977, June 1978, June 1979,

May 1980, April 1981, June 1981, Oct. 1981, Nov. 1981,

Jan. 1982, April 1982, Sept. 1982, June 1983, June 1984,

June 1986, April 1987, March 1988, June 1988, Nov. 1988,

W - Lake Wairarapa

O - Lake Onoke

(unc) - uncommon

Dec 1990,

June 1991,

July 1992)

GYMNOSPERM TREES

Dacrycarpus dactydioides (W) *Macropiper excelsum* var. *excelsum* (unc) (W)
Podocarpus totara s.s. (unc) (W) *Meliccytus ramiflorus* ssp. *ramiflorus* (unc) (W)
Prumnopitys taxifolia (unc) (W) *Myoporum laetum* var. *laetum* (unc) (W)

MONOCOT TREES

Cordyline australis (W O) *Myrsine australis* (unc) (W)

DICOT TREES

Alectryon excelsus var. *excelsus* (unc) (W) *Nestegis lanceolata* (unc) (W)
Elaeocarpus dentatus (incl. *E. d.* var. *obovatus*) (unc) (W) *Nothofagus menziesii* (unc) (W)
Hoheria angustifolia (unc) (W) (unc) (W)
Laurelia novae-zelandiae (unc) (W) *Pannantia corymbosa* (unc) (W)
Sophora microphylla (unc) (W)
Weinmannia racemosa var. *racemosa* (unc) (W)

DICOT SHRUBS

<i>Brachyglottis repanda</i> s.s.	(w o)	<i>Asplenium flaccidum</i>	(w)
<i>Cassinia leptophylla</i> var. <i>lepto.</i>	(o)	<i>A. gracillimum</i> (unc)	(w)
<i>Coprosma propinqua</i> ssp. <i>propinqua</i>		<i>A. oblongifolium</i> (unc)	(w)
<i>C. robusta</i> (unc)	(wo)	<i>Azolla filiculoides</i>	(wo)
<i>C. tenuicaulis</i>	(w)	<i>Blechnum chambersii</i> (unc)	(w)
<i>C. propinqua</i> X <i>C. robusta</i>	(w)	<i>B. filiforme</i> (unc)	(w)
<i>Hebe stricta</i> var. <i>atkinsonii</i>	(w)	<i>B. fluviatile</i> agg. (unc)	(w)
<i>Korthalsella lindsayi</i> (unc)	(w)	<i>B. minus</i>	(w)
<i>K. salicornioides</i> (unc)	(w)	<i>B. penna-marina</i> (unc)	(w)
<i>Kunzea ericoides</i> agg. (unc)	(w)	<i>B. procerum</i>	(w)
<i>Leptospermum scoparium</i>	(wo)	* <i>Dicksonia squarrosa</i> (unc)	(w)
<i>Plagianthus divaricatus</i>	(o)	<i>Histopteris incisa</i> (unc)	(w)
<i>Solanum laciniatum</i> (unc)	(w)	<i>Hypolepis ambigua</i>	(w)
		<i>Paesia scaberula</i>	(w)
		<i>Pellaea rotundifolia</i> (unc)	(w)

DICOT LIANES

<i>Calystegia sepium</i> ssp. (fls pink)	(wo)	<i>Phymatosorus pustulatus</i>	(w)
<i>C. tuguriorum</i> (unc)	(w)	<i>Pilularia novae-zelandiae</i>	(w)
<i>Muehlenbeckia australis</i>	(w)	<i>Pneumatopteris pennigera</i> (unc)	(w)
<i>M. complexa</i>	(wo)	<i>Polystichum richardii</i> (unc)	(w)
<i>M. australis</i> X <i>M. complexa</i>	(w)	<i>P. vestitum</i> (unc)	(w)
<i>Parsonsia heterophylla</i> (unc)	(w)	<i>Pteridium esculentum</i> (unc)	(w)
<i>Passiflora tetrandra</i> (unc)	(w)	<i>Pyrosia eleagnifolia</i>	(w)
<i>Rubus australis</i> (unc)	(w)		
<i>R. schmidelioides</i> var. <i>schmidelioides</i>	(w)		

ORCHIDS

QUILLWORTS AND FERNS

<i>Isoetes kirkii</i>	(w)	<i>Drymoanthus adversus</i> (unc)	(w)
<i>Adiantum cunninghamii</i> (unc)	(w)	<i>Eatina mucronata</i> s.s. (unc)	(w)
		<i>Microtis unifolia</i> (unc)	(w)
		<i>Pterostylis furcata</i> (unc)	(w)

*(insert above)

Cyathea dealbata (unc) (w)
C. medullaris (unc) (w)

GRASSES

	<i>Isolapis cernua</i>	(W O)
<i>Amphibromus fluitans</i> (unc)	(W) <i>I. inundata</i>	(W)
<i>Cortaderia toetoe</i>	(W O) <i>I. nodosa</i>	(W O)
<i>Isachne globosa</i> (unc)	(W) <i>I. prolifer</i>	(W O)
<i>Lachnagrostis filiformis</i> ss.	(W O) <i>I. reticulatis</i>	(W)
<i>Microlaena stipoides</i>	(W) <i>Schoenoplectus pungens</i>	(W O)
<i>Poa pusilla</i>	(W) <i>S. validus</i>	(W O)
	<i>Schoenus concinnus</i>	(W)
	<i>S. maschalinus</i>	(W)

RUSHES AND ALLIED PLANTS**SEDGES**

	<i>Juncus australis</i>	(W)
<i>Baumea rubiginosa</i>	(W) <i>J. caespiticius</i>	(W O)
<i>B. tenax</i>	(W) <i>J. distegus</i>	(W)
<i>Bolboschoenus caldwellii</i> (unc)	(W) <i>J. gregiflorus</i>	(W O)
<i>B. fluviatilis</i> (unc)	(W) <i>J. maritimus</i> var. <i>austal-</i>	
<i>Carex buchananii</i>	(W) <i>lensis</i>	(O)
<i>C. citrrosa</i>	(W) <i>J. pallidus</i>	(W O)
<i>C. dipsacea</i> var. <i>dipsacea</i>	(W) <i>J. planifolius</i>	(W O)
<i>C. gaudichaudiana</i> (unc)	(W) <i>J. pusillus</i>	(W)
<i>C. geminata</i> s.s.	(W O) <i>J. sarophorus</i>	(W O)
<i>C. lessoniana</i>	(W) <i>Leptocarpus similis</i>	(W O)
<i>C. maorica</i>	(W)	
<i>C. pumila</i> (unc)	(W)	
<i>C. secta</i> s.s.	(W)	
<i>C. sinclairii</i>	(W)	
<i>C. virgata</i>	(W O)	
<i>Cyperus ustulatus</i>	(W O)	
<i>Eleocharis acuta</i>	(W O)	
<i>E. gracilis</i> (unc)	(W)	
<i>E. pusilla</i>	(W O)	
<i>E. sphacelata</i> (unc)	(W)	

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

(W)	<i>Lemna</i> sp. (<i>L. minor</i> auct.)	(W O)
(W O)	<i>Lepilaena bilocularis</i>	(W O)
(W O)	<i>Phormium tenax</i>	(W O)
(W O)	<i>Potamogeton cheesemanii</i>	(W)
(W)	<i>P. ochreatus</i>	(W)
(W O)	<i>P. pectinatus</i>	(W O)
(W)	<i>Ruppia megocarpa</i>	(O)
	<i>R. polycarpa</i>	(W O)

<i>Triglochin striata</i>	(W0)	<i>C. sp. (ii) (aff. <i>C. corymbosa</i>)</i>	
<i>Typha orientalis</i>	(W0)	("Mainland Coastal Race" of	
<i>Wolffia australiana</i>	(W)	Pritchard 1957)	(W)
<i>Zannichellia palustris</i>	(W)	<i>Centella uniflora</i>	(W0)

COMPOSITE HERBS

<i>Centipeda minima</i>	(W)	} <i>Chenopodium glaucum</i> var	
<i>Cotula australis</i>	(W)		} <i>ambiguum</i>
<i>C. coronopifolia</i>	(W)	} <i>Colobanthus apetalus</i> (incl.	
<i>Gnaphalium avidax</i> (unc)	(W)		} <i>C. a. var. alpinus</i>) (unc)
<i>G. involucreatum</i>	(W)		
<i>G. limosum</i> s.s.	(W)	<i>Crassula kirkii</i>	(0)
<i>G. sphaericum</i>	(W)	<i>C. ruamahanga</i>	(W)
<i>Leptinella dioica</i> ssp. <i>dioica</i> †	(W)	<i>C. sinclairii</i>	(W)
<i>L. dispersa</i> ssp. <i>dispersa</i>	(W)	<i>Dichondra</i> sp. (<i>D. brevifolia</i> agg.)	(W)
<i>L. maniototo</i>	(W)	<i>Elatine gratioloides</i>	(W)
<i>L. squalida</i> s.s.	(W)	<i>Epilobium chionanthum</i> (unc)	(W)
<i>Pseudognaphalium</i> sp. (unnamed; aff. <i>P. luteoalbum</i>) (lvs mostly linear-spate to linear, acute)	(W)	<i>E. insulare</i>	(W)
<i>Senecio glomeratus</i> (unc)	(W)	<i>E. komarovianum</i>	(W)
<i>S. hispidulus</i> (unc)	(W)	<i>E. natterodes</i>	(W)
<i>S. minimus</i> (unc)	(W)	<i>E. nummularifolium</i>	(W)
	(W)	<i>E. pallidiflorum</i>	(W)
	(W)	<i>Etyngium vesciculosum</i> (unc)	(W0)
		<i>Galium propinquum</i> (unc)	(W)

DICOT HERBS OTHER THAN COMPOSITES

<i>Apium prostratum</i> ssp.	(0)	<i>G. trilobum</i> (unc)	(W)
<i>Callitriche petrici</i> ssp. <i>petrici</i>	(W)	<i>G. sp. (unnamed)</i> (unc)	(W)
<i>Cardamine</i> sp. (i) (<i>C. debilis</i> agg.) ("long Style" of Pritchard 1957)		<i>Glossostigma diandrum</i>	(W)
<i>C. sp. (ii)</i> (<i>C. debilis</i> agg.) ("Narrow Petal" of Pritchard 1957)		<i>G. elatinoideis</i>	(W)
		<i>G. sp. (fls cleistogamous)</i>	(W)
		<i>Gratiola sexdentata</i>	(W)
		<i>Gunnata monocca</i> (unc)	(W)
		<i>G. protepens</i> (unc)	(W)

† (Lloyd 1972, p. 321)

<i>Haloragis erecta</i> ssp. <i>erecta</i> (unc)	(W)	<i>Samolus repens</i> var. <i>repens</i>	(0)
<i>Hydrocotyle hydrophila</i>	(W)	<i>Selliera radicans</i> agg.	(W 0)
<i>H. moschata</i> (unc)	(W)	<i>Urtica linearifolia</i>	(W)
<i>H. novae-zeelandiae</i> s.s.	(W 0)	<i>Viola lyalii</i>	(W)
<i>H. pterocarpa</i> (unc)	(0)	<i>Wahlenbergia</i> sp (cf. <i>W.</i>	
<i>Hypericum japonicum</i> agg.	(W)	<i>colensoi</i> , <i>W. gracilis</i> , and	
<i>Hypsela rivalis</i>	(W)	<i>W. ropestris</i>)	(W)
<i>Lilaeopsis ruthiana</i>	(W)		

No. of species: 201.

<i>L. novae-zeelandiae</i>	(W 0)
<i>Limosella lineata</i>	(W)
<i>Lobelia anceps</i>	(W 0)
<i>Mazus novaezeelandiae</i>	(W)
<i>Mimulus repens</i> (unc)	(0)
<i>Myriophyllum propinquum</i>	(W 0)
<i>M. triphyllum</i>	(W 0)
<i>M. votschii</i>	(W)
<i>Nerteta setulosa</i> (unc)	(W)
<i>Oxalis exilis</i>	(W)
<i>Polygonum salicifolium</i> agg.	(W)
<i>Potentilla anserinoides</i>	(W)
<i>Pratia angulata</i> agg.	(W)
<i>P. petrusilla</i>	(W)
<i>Ranunculus limosella</i>	(W 0)
<i>R. macropus</i>	(W)
<i>R. sp.</i> (<i>R. glabrifolius</i> or <i>R. rivul-</i> <i>aris</i>)	(W)
<i>Rorippa palustris</i>	(W 0)
<i>Rumex flexuosus</i>	(0)

transfer to new list

INDIGENOUS VASCULAR PLANTS OF LAKES WAIRARAPA AND ONOKE,
AND SURROUNDING NON-FOREST WETLANDS

N161,165 Sea-level to 10ft

A.P. Druce, Botany Division, D.S.I.R., October 1974 (revised June 1976)

W - Lake Wairarapa
O - Lake Onoke

• Herb spec collected
(

MONOCOT TREES

Cordyline australis (W O)

ORCHIDS

• *Pterostylis micromega* (W)
(CHR - NTAB)

DICOT SHRUBS

Coprosma propinqua ^{subsp.} ~~prop~~ (incl. *epival latuscula*) (W O)

C. tenuicaulis (W)

C. propinqua X *C. robusta* (W)

• *Korihalsella salicornioides* (W)

Leptospermum scoparium (incl. *var meadum*) (W)

• *Plagianthus dilaricatus* (O)

GRASSES

Cortaderia tetice (W O)

• *Isachne* ^{globosa} ~~distans~~ (210562) (W)

• *Lachnagrostis filiformis* s.s. (180516, 73912-3) (W)

• *Poa* sp. (cf. *P. pusilla*) (73940, 210563) (W)

SEDGES

• *Baumea rubiginosa* (210610) (W)

B. tarax (W)

• *Carex cithrosa* (75234, 131911, 159443, 180512) (W)

• *C. dipsacea* s.s. (73943) (W)

• *C. geminata* s.s. (210750-1) (W O)

C. maorica (W)

C. secta s.s. (W)

• *C. sindaitii* (210607) (W)

C. virgata (W)

Cyperus ustulatus (W O)

Eleocharis acuta (W O)

E. gracilis (W)

+ *E. pusilla* (W)

DICOT LIANES

• *Calystegia* sp (*C. sepium* agg.) (W O)
(273083-5)

Muehlenbeckia complexa (W)

M. australis (W)

M. australis X *M. complexa* (W)

GUIKWORTS

Isaetes sp (W)

FERNS

Azolla tubra (W)

Blechnum sp. (*B. capense* agg.) (~~W O~~)
sp; lower pinnae reduced, but fronds narrower than in common sp.) (W)

• *Hypolepis tenuifolia* (210564-6) (W)

- Schoenus concinnus (W)
- S. maschalinus (W)
- Scirpus ~~australis~~ ^{pusillus} (O)
- S. cernuus (273089) (WO)
- S. inundatus ~~inundatus~~ (W)
- S. lacustris (W)
- S. nodosus (273097) (WO)
- S. prolifer (WO)
- S. reticularis (W)

RUSHES

- Juncus australis (W)
- J. caespiticus (210553) (WO)
- J. gregiflorus (W)
- J. maritimus var. australiensis (O)
- J. pallidus (WO)
- J. planifolius (WO)
- J. pusillus (73944, 180513) (W)
- J. sarophorus (W)
- Leptocarpus similis (273088) (WO)

MONOCOT HERBS (OTHER THAN ORCHIDS, /

GRASSES, SEDGES, RUSHES)

- Lemna minor (W)
- Lepilaena bilocularis (O)
- Phormium tenax (WO)
- Potamogeton ~~terrestris~~ ~~terrestris~~ (O)
- Ruppia megacarpa (CHR-R. mesae) (O)
- R. polycarpa (CHR-R. mesae) (O)
- Triglochin striatum (273090) (WO)
- Typha orientalis (WO)
- Zauschnerella palustris (W)

COMPOSITE HERBS

- Cotula coronopifolia (W)
- C. dioica subsp. dioica (Lord 1972) (W)
- C. disperua subsp. disperua (W)
(273094)
- C. maniototo (180515, 221358) (W)
- Gnaphalium involucreatum (W)
- G. limosum (W)
- G. sphaeticum (210557) (W)
- G. sp. (G. luteo-album agg.) (W)

DICOT HERBS (OTHER THAN COMPOSITES)

- Apium australe (W)
- Callitriche petriei subsp. petriei (W)
(273093)
- Cardamine sp. (a) (C. debilis agg.)
("Narrow Petal" of Pritchard 1957) (W)
- C. sp. (b) ~~un-named~~, aff. ^{of} C. corymbosa
(Mainland Coastal Race of
Pritchard 1957)
CCHR 70336 R. mesae) (W)
- Centella uniflora (W)
- Chenopodium ambiguum (W)
- Colobanthus apetalus (incl. C. a.
var. alpinus) (73944, 78982) (W)
- Crassula sp. (a) (Tillaea kirkii) (W)
(131994)
- C. sp. (b) (Tillaea sinclairii) (W)
(180514 sp. et D)
- Dichondra ~~brevifolia~~ sp. (W)
- Epilobium insulare (W)
- E. nocteroides (incl. E. pedunculata) (W)
var. varicoides)
- E. pallidiflorum (W)
- Eryngium vesiculosum (W)

- Gallium sp. (unnamed; aff. G. perpusillum) (w)
- Glossostigma datinioides (w)
- G. submersum (w)
- Gratiola sexdentata (w)
- Gunnera monica ^(incl. G. albocarpa) ~~var. monica~~
 (and G. strigosa) (w)
- G. prorepens (incl. G. flavida) (w)
- Hydrocotyle hydrophila (273091) (w)
- H. pterocarpa (wo)
- H. sp. (H. novae-zelandiae agg.) (hair) (wo)
- (for almas platron.) (21056) (w)
- Hypericum japonicum (210608) (w)
- Hypsela rivalis (79413) (w)
- Lilaeopsis ^{sp. (cf. L.)} novae-zelandiae (180521) (w)
- L. sp. (o)
- Limosella lineata (273092) (w)
- Lobelia anceps (o)
- Mazus pumilio (210826) (w)
- Mimulus repens (wo)
- Myriophyllum datinioides (o)
- M. propinquum (w)
- M. votschii (w)
- Nertera setulosa (w)
- Oxalis sp. (stems very slender; fls yellow, usually < 1cm diam.) (w)
- Potentilla auserioides (w)
- Pratia angulata (w)
- P. perpusilla (w)
- Ranunculus limosella (w)
- R. maetopus (w)
- R. sp. (cf. R. glabrifolius & R. rivularis) (w)

- Rorippa ~~slabedra~~ ^{palustris} (wo)
- Rumex flexuosus (116847) (o)
- Samolus repens (o)
- Selliera radicans (o)
- Urtica linearifolia (w)
- Viola hirta (273722) (w)

No. of species: ~~109~~ ~~110~~ 127 ~~128~~
13.

