

A PRELIMINARY LIST OF VASCULAR PLANTS OF THE  
RIVERHEAD BIOLOGICAL RESERVE

Lynne Scott

The Riverhead Biological Reserve is one of a number of areas of the Auckland region chosen to be surveyed by natural history groups. The list of vascular plants covers introduced and indigenous plants observed since November 1980.

The reserve is the only area of any size in the Riverhead State Forest which is still indigenous forest. It consists of 12.4 ha which was gazetted as a reserve in 1977. It is administered by the New Zealand Forest Service and a permit to visit the reserve has to be obtained. Access is by forest roads through exotic plantations. It is bounded on the east and west by mature stands of radiata pine (Pinus radiata). The northern boundary is Anzac Road and the southern one is a stream. A few large radiata pine are in the reserve but they do not appear to have regenerated. Very few introduced plant species have penetrated the native vegetation.

A 2 acre (0.8 ha) portion was planted in kauri in 1950 - probably to supplement existing kauri rickers (statement by the Forest Service). A striking feature is the variability of forest types ranging from a kanuka canopy with understorey of Gahnia xanthocarpa and various shrubs; a nikau/puriri/tree-fern association; podocarp forest; to regeneration under manuka with emergent kauri and rewarewa.

The reserve is situated about 20 km north west of Auckland City (map reference NZMS 1 Silverdale N38 1077). It has a southerly aspect and at its highest point is 100m above sea level.

GYMNOSPERMS

Podocarpaceae

Podocarpus totara

P. hallii

P. ferrugineus

P. spicatus

P. dacrydioides

Dacrydium cupressinum

Phyllocladus trichomanoides

Cupressaceae

Chamaecyparis lawsoniana

Araucariaceae

Agathis australis

Pinaceae

Pinus radiata

ANGIOSPERMS - MONOCOTS

Liliaceae

Astelia sp.

Collospermum hastatum

Dianella nigra

Smilacaceae

Ripogonum scandens

Agavaceae

Phormium tenax

Cordyline australis

Juncaceae

Juncus articulatus

Typhaceae

Typha orientalis

Arecaceae (Palmae)  
Rhopalostylis sapida

Pandanaceae  
Freycinetia banksii

Orchidaceae  
Corybas oblongus  
Caladenia sp.  
Earina autumnalis  
E. mucronata

Pterostylis banksii  
P. graminea  
Thelymitra sp.  
Acianthus fornicatus

Cyperaceae  
Baumea tenax  
Gahnia setifolia  
G. xanthocarpa  
Schoenus maschalinus  
S. tendo

Scirpus chlorostachyus  
Uncinia uncinata  
U. banksii  
Carex lambertiana  
C. lessoniana

Poaceae (Gramineae)  
Anthoxanthum odoratum  
Cortaderia splendens  
C. selloana

Microlaena avenacea  
Oplismenus imbecillus  
Rytidosperma biannulare

ANGIOSPERMS - DICOTS

Lauraceae  
Beilschmiedia tarairi

Monimiaceae  
Hedycarya arborea

Laurelia novae-zelandiae

Ranunculaceae  
Clematis sp.

Ranunculus hirtus

Brassicaceae (Cruciferae)  
Nasturtium officinale

Violaceae  
Melicytus micranthus  
M. macrophyllus

M. ramiflorus

Polygonaceae  
Muehlenbeckia australis

Haloragaceae  
Haloragis erecta

H. micrantha

Onagraceae  
Fuchsia excorticata

Callitrichaceae  
Callitriche muelleri

C. stagnalis

Proteaceae  
Knightia excelsa

Coriariaceae  
Coriaria arborea

Pittosporaceae  
Pittosporum tenuifolium

Passifloraceae  
Tetrapathaea tetrandra

Myrtaceae	
Eugenia maire	M. fulgens
Leptospermum scoparium	M. perforata
L. ericoides	Lophomyrtus bullata
Metrosideros diffusa	
Elaeocarpaceae	
Aristotelia serrata	
Escalloniaceae	
Carpodetus serratus	
Rosaceae	
Rubus australis	R. cissoides
Fabaceae (Papilionaceae)	
Carmichaelia aligera	Ulex europaeus
Lotus subbiflorus	
Moraceae	
Paratrophis microphylla	
Urticaceae	
Elatostema rugosum	
Rhamnaceae	
Pomaderris kumeraho	P. phyllicifolia
Sapindaceae	
Alectryon excelsus	
Araliaceae	
Pseudopanax arboreus	P. ferox
P. crassifolius	Schefflera digitata
Cornaceae	
Corokia buddleioides	
Apiaceae (Umbelliferae)	
Centella uniflora	Hydrocotyle moschata
Epacridaceae	
Cyathodes fasciculata	C. juniperina
Myrsinaceae	
Myrsine salicina	M. australis
Oleaceae	
Nestegis lanceolata	
Loganiaceae	
Geniostoma ligustrifolium	
Apocynaceae	
Parsonsia heterophylla	
Caprifoliaceae	
Alseuosmia macrophylla	
Rubiaceae	
Coprosma arborea	C. spathulata
C. australis	Nertera cunninghamii
C. lucida	N. dichondraefolia
C. robusta	
Asteraceae (Compositae)	
Carduus sp.	G. spicatum
Crepis capillaris	Olearia rani
Gnaphalium gymnocephalum	?Senecio minimus

## Gentianaceae

Centaurium erythraea

## Plantaginaceae

Plantago lanceolata

P. major

## Campanulaceae

Wahlenbergia gracilis

## Lobeliaceae

Lobelia aniceps

## Scrophulariaceae

Hebe stricta var. stricta

H. ?macrocarpa

## Verbenaceae

Vitex lucens

## FERNS AND FERN ALLIES

## Psilotaceae

Tmesipteris elongata ssp. elongata T. tannensis

## Lycopodiaceae

Lycopodium billardieri

## Schizaeaceae

Lygodium articulatum

## Gleicheniaceae

Gleichenia cunninghamii

## Hymenophyllaceae

Hymenophyllum flabellatum

H. revolutum

H. flexuosum

Trichomanes venosum

## Dicksoniaceae

Dicksonia squarrosa

## Cyatheaceae

Alsophila dealbata

Sphaeropteris medullaris

## Polypodiaceae

Pyrrosia serpens

Phymatosorus diversifolius

Anarthropteris lanceolata

P. scandens

## Thelypteridaceae

Thelypteris pennigera

## Lindsaeaceae

Lindsaea trichomanoides

## Pteridaceae

Paesia scaberula

Pteridium esculentum

## Aspleniaceae

Asplenium bulbiferum subsp. bulbiferum

A. bulbiferum subsp. gracillimum

A. oblongifolium

A. flaccidum subsp. flaccidum

A. lamprophyllum

A. polyodon

## Blechnaceae

Doodia media

B. fraseri

Blechnum capense

B. discolor

B. chambersii

B. membranaceum

B. filiforme

Contributors

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J. Driessen, G. Falla - July 1982.  
P. Maddison - Dec. 1980.  
Auckland Botanical Society - Nov. 1982.  
Ann Grace - Mar. 1983.

MOSSES OF THE RIVERHEAD STATE FOREST BIOLOGICAL RESERVE

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The small reserve of native bush within the exotic Riverhead State Forest is a remnant of what must have been a much more extensive forest in pre-European times. Some large puriri, with kauri and podocarps remain. Areas of tea-tree and tree-ferns occur in more disturbed parts. During the Botanical Society's visit to the Reserve in November 1982 the following moss species were noted in the forest.

*Calomnion laetum* H.f. & W.  
*Campochaete arbuscula* (Sm.) Reichdt.  
*Campylopus pallidus* H.f. & W. (= *torquatus* of the Handbook)  
*Catagonium politum* (H.f. & W.) Dus.  
*Dicranoloma menziesii* (Tayl.) Par.  
*Distichophyllum pulchellum* (Hampe) Mitt.  
*Ditrichum difficile* (Dub.) Fleisch. (= *flexifolium* of the Handbook)  
*Fissidens pallidus* H.f. & W.  
*F. tenellus* H.f. & W.  
*Funaria glabra* Tayl.  
*Homalia falcifolia* (H.f. & W.) H.f. & W.  
*Hymenodon pilifer* H.f. & W.  
*Hypnodendron arcuatum* (Hedw.) Lindb. ex Mitt.  
*Hypnum chrysogaster* C. Muell.  
*Hypopterygium rotulatum* (Hedw.) Brid.  
*Leucobryum candidum* (P. Beauv.) Wils.  
*Lopidium concinnum* (Hook.) Wils.  
*Mniodendron comosum* (La Bill.) Lindb. e Broth.  
*Orthorrhynchium elegans* (H.f. & W.) Reichdt.  
*Porotrichum oblongifolium* (H.f. & W.) Broth.  
*Pterygophyllum dentatum* (H.f. & W.) Dix.  
*Ptychomnion aciculare* (Brid.) Mitt.  
*Rhacopilum convolutaceum* (C. Muell.) Reichdt. (= *strumiferum* of the Handbook)  
*Rhizogonium bifarium* (Hook.) Schimp.  
*Sematophyllum amoenum* (Hedw.) Mitt.  
*Thuidium furfurosum* (H.f. & W.) Reichdt.  
*T. laeviusculum* (Mitt.) Jaeg.  
*Weymouthia cochlearifolia* (Schwaegr.) Dix.  
*Wijkia extenuata* (Brid.) Crum. (= *Acanthocladium* of the Handbook)

Reference

Sainsbury, G.O.K. 1955. "A Handbook of the New Zealand Mosses" Royal Society of N.Z., Wellington.