

squarrosa, *Hymenophyllum demissum*, *Rumohra hispida*, *R. adiantiformis*, *Tmesipteris tannensis*, *Freycinetia banksii*, *Astelia cunninghamii*, *Collospermum hastatum*, *Hedycarya arborea*, *Elaeocarpus dentatus*, *Lophomyrtus bullata*, *Parsonsia capsularis* and *Metrosideros* spp.

2. A scarcity of ground orchids, *Paratrophis microphylla*, and individuals of small-leaved species of *Coprosma*.

3. Apparent absence of *Podocarpus spicatus* and *Phyllocladus trichomanoides*.

NOMENCLATURE

I have followed the nomenclature of Allan's "Flora of New Zealand", Vol. 1, but have had to rely mainly on Cheeseman's "Manual of the New Zealand Flora", 1925 edition, for the naming of the Monocotyledons. In every case I have quoted an authority.

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THE SPECIES

The abbreviations following the names and the authorities have these meanings: A, abundant; C, common; O, occasional; R, rare. It must be remembered, however, that distribution within the reserve varies greatly according to the aspect and terrain.

PSILOTAGACEAE

Tmesipteris tannensis Bernh.—C

LYCOPODIACEAE

Lycopodium billardieri Spring—O
— *volubile* Forst. f.—O

MARATTIACEAE

Marattia salicina Smith—R

OSMUNDACEAE

Todea hymenophylloides A. Rich.—O

SCHIZAEACEAE

Lygodium articulatum A. Rich.—C

HYMENOPHYLLACEAE

Hymenophyllum flabellatum Labill.—O
— *dilatatum* (Forst. f.) Swartz—C
— *sanguinolentum* (Forst. f.) Swartz—C
— *scabrum* A. Rich.—O
— *demissum* (Forst. f.) Swartz—A
— *pulcherrimum* Col.—R
— *ferrugineum* Colla—C
— *revolutum* Col.—O
Trichomanes venosum R. Br.—C
— *reniforme* Forst. f.—O

DICKSONIACEAE

Dicksonia squarrosa (Forst. f.) Swartz—A
— *fibrosa* Col.—O

CYATHEACEAE

Cyathea dealbata (Forst. f.) Swartz—A
— *medullaris* (Forst. f.) Swartz—A
— *cunninghamii* Hook. f. in Hook.—O
— *smithii* Hook. f.—C

POLYPODIACEAE

Pyrrosia serpens (Forst. f.) Ching—C
Anarthropteris lanceolata (J. Smith) L. B. Moore—O
Phymatodes scandens (Forst. f.) Presl—C
— *diversifolium* (Willd.) Pic. Ser.—A

GRAMMITIDACEAE

Grammitis billardieri Willd.—O

THELYPTERIDACEAE

Thelypteris pennigera (Forst. f.) Allan—A

DENNSTAEDTIACEAE

Hypolepis distans Hook.—R

LINDSAEACEAE

Lindsaea trichomanoides Dryand.—O

PTERIDACEAE

Paesia scaberula (A. Rich) Kuhn—O
Histiopteris incisa (Thunb.) J. Smith—O
Pteridium aquilinum (L.) Kuhn var. *esculentum* (Forst. f.) Kuhn—C
Pteris macilenta A. Rich.—C

ASPLENIACEAE

Asplenium lucidum Forst. f.—C
— *falcatum* Lam.—C
— *bulbiferum* Forst. f.—C
— *flaccidum* Forst. f.—C

BLECHNACEAE

Blechnum fraseri (A. Cunn.) Luer.—O
— *filiforme* (A. Cunn.) Ettingshausen—A
— *patersonii* (R. Br.) Mett.—R
— *capense* (L.) Schlecht.—A