

MOSES OF HUKATERE SCENIC RESERVE

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Hukatere Scenic Reserve is located on the Tinopai Peninsula, northern Kaipara Harbour, at 36° 11' S 174° 10' E. It consists mainly of taraire/broadleaf forest with emergent podocarps and kauri. Regenerating areas of teatree scrub occur on some of the margins. An account of the vegetation has been prepared by Nigel Clunie for the Rodney Otamatea Scenic and Scientific Reserve Survey (N.M.U. Clunie pers.comm.), and a vascular plant species list was made by the Auckland Botanical Society during the visit of February 17, 1990 (Wright and Beever, 1990). The present article describes the mosses recorded during the Botanical Society visit.

Hukatere Reserve covers an area of just under 30 ha and lies on a south facing slope, dissected by several small gullies running down to a stream near the southern boundary. On the moist soil of the gullies Thamnobryum pandum and Hypnodendron arcuatum were found to be common, with Echinodium hispidum occasional, both on soil and on exposed roots. Unfortunately the main stream is badly silted, from its passage through adjacent farmland, and cattle trampling has disturbed the banks within the reserve. Nevertheless there were considerable swards of Fissidens rigidulus on the rock in the stream, and of the liverwort Monoclea forsteri on the banks. On the drier slopes of the reserve Leucobryum candidum was common on the forest floor and on the bases of tree-fern trunks, with occasional small clumps of umbrella mosses, especially Hypnodendron colensoi. On disturbed bare soil several tiny species of Fissidens were common, namely Fissidens pungens, F. tenellus and F. humilis var. angustifolius. Rotting logs provided a substrate for Sematophyllum amoenum, Racopilum convolutaceum, Dicranoloma menziesii and Hypnum chrysogaster. Epiphytes were moderately abundant, with Orthorrhynchium elegans and Homalia falcifolia being particularly common on trunks of Coprosma arborea, and Calomnion complanatum on trunks of tree-ferns. Two species of Fissidens were found as epiphytes on nikau, Fissidens tenellus, and a larger, unidentified species. The rare (or perhaps more accurately 'rarely collected', as it is an extremely small moss) Zygodon gracillimus was found on a dead standing tree trunk, in a sward of Elatostema rugosum beside the stream. In open teatree scrub near the northern boundary of the reserve a number of mosses were recorded that were not seen elsewhere, namely Breutelia pendula, Campylopus clavatus, C. introflexus, and a robust terrestrial form of Hypnum chrysogaster.

SPECIES LIST

Vouchers of all species have been placed in CHR, the Herbarium of Botany Division DSIR. Voucher numbers are J E Beever Accession Numbers.

	Voucher number(s)
<u>Breutelia pendula</u> (Sm.) Mitt.	57-48
<u>Calomnion complanatum</u> (Hook. f. & Wils.) Lindb.	57-49
<u>Campochaete arbuscula</u> (Sm.) Reichdt.	57-50
<u>C. pulvinata</u> (Hook. f. & Wils.) Jaeg.	57-51
<u>Campylopus clavatus</u> (R. Br.) Wils.	57-52
<u>C. introflexus</u> (Hedw.) Brid.	57-53
<u>C. pyriformis</u> (Schultz) Brid.	57-54

<u>Cyathophorum bulbosum</u> (Hedw.) C. Muell.	57-55
<u>Cyrtopus setosus</u> (Hedw.) Hook. f.	57-56
<u>Dicranoloma fasciatum</u> (Hedw.) Par.	57-57
<u>D. menziesii</u> (Hook. f. & Wils.) Par.	57-58
<u>Distichophyllum microcarpum</u> (Hedw.) Mitt.	57-59
<u>D. pulchellum</u> (Hampe ex C. Muell.) Mitt.	57-60
<u>Echinodium hispidum</u> (Hook. f. & Wils.) Reichdt.	57-61
<u>Eurhynchium muriculatum</u> (Hook. f. & Wils.) Jaeg.	57-62
<u>Fissidens asplenioides</u> Hedw.	57-63
<u>F. humilis</u> Dix. & Watts var. <u>angustifolius</u> Dix.	57-64
<u>F. leptocladus</u> C. Muell. & Rodw.	57-65
<u>F. pallidus</u> Hook. f. & Wils.	58-3
<u>F. pungens</u> C. Muell. & Hampe	57-66
<u>F. rigidulus</u> Hook. f. & Wils.	57-67
<u>F. tenellus</u> Hook. f. & Wils.	57-68, 58-12
<u>F. sp.</u> (epiphytic)	57-69
<u>Holomitrium perichaetiale</u> (Hook.) Brid.	57-70
<u>Homalia falcifolia</u> (Hook. f. & Wils.) Hook. f. & Wils.	57-71
<u>H. punctata</u> (Hook. f. & Wils.) Wijk & Marg.	57-72
<u>Hymenodon pilifer</u> Hook. f. & Wils.	57-73
<u>Hypnodendron arcuatum</u> (Hedw.) Lindb.	57-74
<u>H. colensoi</u> (Hook. f. & Wils.) Mitt.	57-75
<u>H. kerrii</u> (Mitt.) Par.	57-76
<u>Hypnum chrysogaster</u> C. Muell.	57-77, 57-78, 57-79
<u>Leptostomum macrocarpum</u> (Hedw.) Pyl.	57-80
<u>Leucobryum candidum</u> (P. Beauv.) Wils.	57-81
<u>Lopidium concinnum</u> (Hook.) Hook. f. & Wils.	57-82
<u>Macrocoma tenue</u> (Hook. & Grev.) Vitt	57-83
<u>Macromitrium gracile</u> (Hook.) Schwaegr.	57-84
<u>M. ligulare</u> Mitt.	57-85
<u>Orthorrhynchium elegans</u> (Hook. f. & Wils.) Reichdt.	57-86
<u>Philonotis tenuis</u> (Tayl.) Reichdt.	57-87
<u>Porotrichum oblongifolium</u> (Hook. f. & Wils.) Broth.	57-88
<u>Ptychomnion aciculare</u> (Brid.) Mitt.	57-89
<u>Racopilum convolutaceum</u> (C. Muell.) Reichdt.	57-90
<u>Rhizogonium novae-hollandiae</u> (Brid.) Brid.	57-91
<u>Rhynchostegium tenuifolium</u> (Hedw.) Reichdt.	57-92
<u>Sematophyllum amoenum</u> (Hedw.) Mitt.	57-93
<u>Thamnobryum pandum</u> (Hook. f. & Wils.) Stone & Scott	57-94
<u>Thuidium furfurosum</u> (Hook. f. & Wils.) Reichdt.	57-95, 57-96
<u>T. laeviusculum</u> (Mitt.) Jaeg.	57-97
<u>T. sparsum</u> (Hook. f. & Wils.) Jaeg.	57-98
<u>Weymouthia cochlearifolia</u> (Schwaegr.) Dix.	57-99
<u>Wijkia extenuata</u> (Brid.) Crum	57-100
<u>Zygodon gracillimus</u> Broth. ex Fleisch.	58-1
<u>Z. intermedius</u> B.S.G.	58-2

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REFERENCES

- Wright, A.E. and Beever, R.E. 1990. Hukatere Scenic Reserve, 17 February 1990. Auckland Botanical Society Journal 45(2):