

Appendix 3: Species List.

SPECIES	PLOT	1	2	3	4	5
Abrottenella ceaspitosa	Petrie ex Kirk		H			
Aneura sp. (B)	Dum.				P	
Aporostylis bibolia	(Hook.f.) Rupp. & Hutch.	H	H			
Asplenium flaccidum	Forst.f.	H	H		P	H
Astelia linearis var. novae zelandiae	Hook.f.			H	P	
A. nervosa	Banks & Sol. ex Hook.f.					
Bazzinia sp. (B)	S.F.Gray	H	H			
Blechnum pterocentrum	(Forst.f.) Swartz					H
Carex sp.	L.			H	S	
Carpina alpina	R.Br.	H	H		S	
Celmisia spectabilis	Hook.f.	H	H		P	
Centrolepis ciliata	(Hook.f.) Druce	H	H			
Chandonanthus squarrosus	(B) (Hook.) Mitt					H
Chionochloa conspicua	(Forst.f.) Zotov			H		S
C. flavescens	Zotov	H	H	H	H	
Coprosma colensoi	Hook.f.			H		H
C. foetidissima	J.R. et G.Forst.			H		H
Cyathodes empetrifolia	Hook.f.	H	H	H	H	
Cyathophorum bulbosum	(B) (Hedw.) C.M.					H
D. billardierii	(B) (Schwaegr.) Par.		H		H	H
Dracophyllum filifolium	Hook.f.	H	H	H	H	
Drosera stenopetala	Hook.f.	H	H		H	
Gentiana patula	(Kirk) Cheesem.		H	H	H	
Gliechenia dicarpa	R. Br.	H	S		H	
Hymenophyllum multifidum	(Forst.f.) Swartz			H		H
H. sanguinolentum	(Forst.f.) Swartz					H
Juncus antarcticus	Hook.f.		S		S	
Lepicolea attenuata	(B) (Mitt.) Steph.					H
Lepidozia sp. (B)	Dum.	H			H	
Lichen sp.						H
Luzuriaga parviflora	(Hook.f.) Kunth.			H		S
Lycopodium scariosum	Forst.f.			H		S
Myrsine divaricata	A.Cunn					H
Nothofagus menziesii	(Hook.f.) Oerst.	S	S	H		H
Olearia colensoi	Hook.f.	S	S	H	S	H
Oreobolus pectinatus	Hook.f.	H	H		H	
Pentachondra pumila	(J.R. et G.Forst.) G.Br.	H	H	H	H	
Pittosporum rigidum	Hook.f.					H
Plantago uniflora	Hook.f.		P			
Pseudopanax simplex var. sinclairii	(Hook.f.) Edgar			H		H
Ptychonium aciculare	(B) (Srid.) Mitt.			H		
Rhacocarpaceae purpurascens	(B)			H		
Scheuchzeria pauciflora	(Hook.f.) Hook.f.	H	S	H		
Schizaea fistulosa	Labill.		S			
Senecio lagopus	Raoul		H			H
Sphagnum sp. (B)	Dill.		H		H	
Uncinia nervosa	Boott in Hook.f.					H

H Recorded on P.H.I. data.

P Present in plot but not recorded with P.H.I.

S Present in surrounds but not in plot.

(B) Bryophyte

SCRUB AND LOW VEGETATION
BELOW TREELINE
MT KAPAKAPANUI
SOUTHERN TARARUA RANGE

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Abstract

On the south-east spur of Mt Kapakapanui, southern Tararua Range is an area of low vegetation below treeline. Point Height Intercept Analysis and soil sampling was used to see what factors were associated with this low vegetation series. The series is tussock/fernland to tussock/sedgeland to shrubland to beech forest. The soil factors showed high % carbon, low % macroporosity and acidic soils in the area of low vegetation. The series appears to be due to several factors.

1. Distance from free draining slopes.
2. % microporosity/% total porosity
3. Slope angle.
4. Soil depth.

Figure 1: Location map 1:500,000

