

Plant list:

trees and shrubs		1(E)	2(FG)	3(J)	4(K)	5(D)	6(AB)	7(C)
<i>Alectryon excelsus</i>	titoki	l	u	l	u	l	l	l
<i>Beilschiedia tawa</i>	tawa	l						
<i>Brachyglottis repanda</i>	rangiora	u				l		l
<i>Carpodetus serratus</i>	putaputaweta	u	u					
<i>Coprosma areolata</i>				u	u			l
<i>C. crassifolia</i>			l	u	u	u		l
<i>C. grandifolia</i>		l						
<i>C. rhamnoides</i>		u					u	l
<i>C. rigida</i>				u				
<i>C. robusta</i>		l						
<i>C. rotundifolia</i>			u					
<i>C. tenuicaulis</i>		u	u u					
<i>Cordyline australis</i>	cabbage tree	l	l		u	l		l
<i>Dacrycarpus dacrydoides</i>	kahikatea	c	c		c	l		
<i>Elaeocarpus dentatus</i>	hinau	u	u	u				
<i>E. hookerianus</i>	pokaka		l		u	u		
<i>Fuchsia excortica</i>	tree fuchsia	l	u					
<i>Geniostoma rupestre</i>	hangehange	u	u					
<i>Hedycarya arborea</i>	pigeonwood	l						
<i>Hoheria sextylosa</i>	lacebark	u	u				c	
<i>Ileostylus micranthus</i>	mistletoe						u2)	
<i>Knightia excelsa</i>	rewarewa			u				
<i>Kunzea ericoides</i>	kanuka	l	l	l	u	l	c	c
<i>Laurelia novae-zelandiae</i>	pukatea	c			l	l		
<i>Leptospermum scoparium</i>	manuka		u c					
<i>Lophomyrtus obcordata</i>	rohutu			u	l			
<i>Macropiper excelsum</i>	kawakawa					l		l
<i>Melicope simplex</i>		l	u	u		l	u	
<i>Melicytus ramiflorus</i>	mahoe	u	u			l		l
<i>Metrosideros robusta</i>	northern rata							c
<i>Myrsine australis</i>	mapou	l	u	u	u	l		l
<i>Nestegis cunninghamii</i>	black maire			u			l	
<i>N. lanceolata</i>	white maire	l		u	u		l	l
<i>N. montana</i>	oro-oro						4	u
<i>Nothofagus fusca</i>	red beech	u	l					
<i>N. solandri</i>	black beech	u	l				u	u
<i>Olearia virgata</i>			u u					
<i>Pennantia corymbosa</i>	kaikomako		u					
<i>Pittosporum eugenioides</i>	lemmonwood	u				l		
<i>P. tenuifolium</i>	kohuhu	u						
<i>Plagianthus regius</i>								
<i>Podocarpus totara</i>	totara	l	c	a	c	c	a	c
<i>Prumnopitys taxifolia</i>	matai	u	u				u	
<i>Pseudopanax arboreus</i>	five finger	u						
<i>P. crassifolius</i>	lancewood	u	l					
<i>Schefflera digitata</i>	pate	l						
<i>Solanum laciniatum</i>	poroporo	u	l			l		
<i>Sophora microphylla</i>	kowhai							l
<i>Streblus heterophyllus</i>					u			
<i>Syzygium maire</i>	swamp maire	a	l		l	u		
<i>Weinmannia racemosa</i>	kamahi	u						

climbers	1(E)	2(FG)	3(J)	4(K)	5(D)	6(AB)	7(C)
<i>Calystegia tuguriorum</i>	u						
<i>Clematis forsteri</i>	u						
<i>Metrosideros diffusa</i>	u						
<i>M. perforata</i>	u	u					
<i>Muehlenbeckia australis</i>	c						
<i>M. complexa</i>	l	u					
<i>Parsonsia capsularis</i>	u	u					
<i>Passiflora tetrandra</i>	u						
<i>Ripogonum scandens</i>	l	l			l		
<i>Rubus australis</i>	l	u					
<i>R. cissoides</i>	l	l		l			

ferns	1(E)	2(FG)*	3(J)	4(K)	5(D)	6(AB)	7(C)
<i>Asplenium bulbiferum</i>	x						
<i>A. flabellifolium</i>	x						
<i>A. flaccidum</i>	x	x					
<i>Azolla filiculoides</i>		x					
<i>Blechnum discolor</i>	x						
<i>B. filiforme</i>	x	x					
<i>B. fluviatile</i>	x						
<i>B. membranaceum</i>	x						
<i>B. minus</i>	x	x x					
<i>Cyathea medullaris</i>	x						
<i>C. smithii</i>	x						
<i>Dicksonia squarrosa</i>	x	x					
<i>Histiopteris incisa</i>	x	x					
<i>Hypolepis ambigua</i>	x	x					
<i>H. rufobarbata</i>	x						
<i>Lastreopsis glabella</i>	x	x					
<i>Paesia scaberula</i>	x	x					
<i>Phymatosorus pustulatus</i>	x	x					
<i>Pneumatopteris pennigera</i>	x						
<i>Pyrrhosia eleagnifolia</i>	x	x					

herbs, grasses, sedges, rushes and orchids	1(E)	2(FG)*	3(J)	4(K)	5(D)	6(AB)	7(C)
<i>Aceana anserinifolia</i> ✓		x					
<i>Callitriche petriei</i>	x	x x					
<i>Carex dissita</i>	l	x					
<i>C. geminata</i>		x x					
<i>C. secta</i>		l					
<i>Centella uniflora</i>		c c					
<i>Corybas macranthus</i> ✓	l						
<i>Eleocharis acuta</i>		x					
<i>Epilobium insulare</i>		x x					
<i>E. pallidiflorum</i>		x					
<i>Gnaphalium involucreatum</i>		x					
<i>G. gymnocephalum</i>	x						
<i>Gonocarpus micranthus</i>		x					
<i>Gratiola sexdentata</i>		l c					

herbs, grasses, sedges, rushes and orchids (cont.)	1(E)	2(FG)*	3(J)	4(K)	5(D)	6(AB)	7(C)
<i>Hydrocotyle heteromeria</i>		x	x				
<i>H. moschata</i>							
<i>H. novae-zelandiae</i>		x					
<i>Hypericum sp. (japonica?)</i>			x				
<i>Isolepis prolifer</i>	x		x				
<i>I. reticularis</i>	x		x				
<i>Juncus gregiflorus</i>	x		x x				
<i>J. planifolius</i>			x x				
<i>J. sarophorus</i>			x				
" <i>Lemna minor NZ</i> "			x x				
<i>Nertera depressa</i>	c		l u				
<i>Pratia angulata</i>			l				
<i>Ranunculus glabrifolius</i>			x x				
<i>Schoenus maschalinus</i>			l				
<i>Stellaria decipiens</i>	l						

weeds	1(E)	2(FG)*	3(J)	4(K)	5(D)	6(AB)	7(C)
gorse	c	l			l		
broom	l	l			l		l
barberry	l	l					l
hawthorn	u	u					l
black berry	l	l			l		l
pine							l
poplar							l
gum tree							l

birds	1(E)	2(FG)*	3(J)	4(K)	5(D)	6(AB)	7(C)
tui	+	+	+1)				+
NZ pigeon							
fantail	+	+	+			+	
grey warbler	+		+				
silveryeye	+		+			+	
NZ kingfisher			+				
pukeko	+						

a = abundant, c = common, u = uncommon (or actual no. of individuals), l = local (may be common in small areas), x = recorded, no information about abundance.

1) At least 2 families of tuis with fledged juveniles.

2) Only one mistletoe seen in totara, likely more individuals present, but uncommon.

Sites:

- 1 swamp maire forest, with kahikatea and pukatea (E)
- 2 kahikatea/totara forest on carex wetland and rush/Sphagnum swamp (FG)
- 3 totara forest in sheep paddock (J)
- 4 small patch of swamp maire/pukatea with *Lophomyrtus obcordatum* (K)
- 5 mixed broadleaf regenerating forest, water works (D)
- 6 titoki forest in paddock (AB)
- 7 northern rata/totara forest on river terrace edge (C)

PNA 801
WAIKARAPA PLAINS Ecol. Div.
WAIKARAWA RIVER BUSH
SITE VISIT 25/1/98
A. REBERGEN.





