

Bush Patch at Te Horo

Centred on Grid Ref. Topomap R26 & Pt R25 870397
Pat Enright, Olaf John 15/4/00, 30/04/00

unc = uncommon (only one or two specimens seen)

This bush patch is on a terrace above the main road opposite Te Hapua Road turnoff north of Waikanae. The hills drop to this flat terrace before the parabolic dune and swampland between the main road and the sea. About 6 hectares of the bush is on property belonging to Awatea Farms Ltd (Royd Sampson) and the remaining 2 hectares below to Grant and Linda Paterson. Two deeply incised stream gullies cut through the area, and one forms part of the southern boundary. They are fenced off for the most part to keep stock from tumbling in. Stock have free access to much of the area and have had for some time past. The species present within the fenced areas, and the lack of or low numbers of other species outside these areas reflect this. Regeneration is evident with a lot of pukatea (*Laurelia novae-zelandiae*) and smaller numbers of nikau (*Rhopalostylis sapida*) and native jasmine (*Parsonsia heterophylla*). Both species of milktree (*Streblus banksii* and *S. heterophyllus*), totara (*Podocarpus totara*) and kahikatea (*Dacrycarpus dacrydioides*) were present in low numbers.

The main vegetation type is kohekohe (*Dysoxylum spectabile*)/tawa (*Beilschmiedia tawa*) with pukatea and nikau in the wetter hollows. Rewa rewa (*Knightia excelsa*), kahikatea, kaikomako (*Pennantia corymbosa*), streblus species and wharangi (*Melicope ternata*) were present in very low numbers. There was little or no understory with odd patches of various herbaceous species where light wells appeared in the kohekohe. There are a number of watercourses that must take runoff in times of heavy rain and several boggy hollows that would pond water for some time afterwards.

Jerusalem cherry (*Solanum pseudocapsicum*) was the main woody weed in any open and well lit areas, with the grass paspalum (*Paspalum dilatatum*) and the rush *Juncus tenuis* the main herbaceous weeds are found in the large open grassy area. Inkweed (*Phytolacca octandra*) is present in several places and will no doubt spread if left unchecked. *Carex divulsa* is also present around the bush edges but has not yet spread into the forest or onto the banks of the streams.

The deeply incised stream gullies present a special habitat with tree ferns, mamaku (*Cyathea medullaris*) and silver fern (*Cyathea dealbata*) only growing here. Lower down the gullies where there is more flatter ground, little or no overhead cover and the banks are not so steep there was a fascinating assemblage of herbs and ferns. This was the only area for filmy ferns with all but one species being terrestrial. There was evidence of an old dump at one point in one gully.

There is little sign of possum damage with the kohekohe covered in fruit and quite a bit left untouched on the ground. There is small rabbit population.

The whole area has been surveyed with a number of survey pegs noted.

The survey effort would be classed as medium with a total of seven hours being spent on the site. Another visit in late spring/ early summer to pick up on the orchid species and other flowering herbs would be a good idea.

Gymnosperm trees and shrubs

Dacrycarpus dacrydioides (unc)	kahikitea
Podocarpus totara (unc)	totara

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus (unc)	titoki
Beilschmiedia tawa	tawa
Brachyglottis repanda	rangiora
Carpodetus serratus	
putaputaweta, marbleleaf	
Coprosma lucida (unc)	
Coprosma propinqua subsp. propinqua	
Coprosma repens (unc) (epiphytic on kaikomako)	
Coprosma rhamnoides	
Coprosma robusta	karamu
Coprosma tenuicaulis (unc)	swamp coprosma
Corynocarpus laevigatus (unc)	karaka
Dysoxylum spectabile	kohekohe
Elaeocarpus dentatus (unc)	hinau
Geniostoma rupestre var. rupestre	hangehange
Griselinia lucida (unc)	puka, broadleaf
Hedycarya arborea	porokaiwhiri, pigeonwood
Knightia excelsa (unc)	rewarewa
Laurelia novae-zelandiae	pukatea
Macropiper excelsum subsp. excelsum	kawakawa
Melicope ternata (unc)	wharangi
Melicytus ramiflorus	mahoe
Olearia rani (unc)	hekatara
Ozothamnus leptophylla (unc)	tauhinu
Pennantia corymbosa	kaikomako
Solanum sp.	poroporo
Streblus banksii (unc)	ewe kuri large leaved milk tree
Streblus heterophyllus	turepo, small leaved milk tree
Pittosporum tenuifolium (unc)	kohuhu
Weinmannia racemosa	kamahi

Monocotyledonous trees and shrubs

Rhopalostylis sapida	nikau
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Monocotyledonous lianes

Freycinetia banksii	kiekie
Ripogonum scandens	supplejack

Dicotyledonous lianes and related trailing plants

Metrosideros fulgens	
Metrosideros perforata	akatea
Muehlenbeckia australis	pohuehue
Parsonsia heterophylla	N.Z. jasmine
Passiflora tetrandra (unc)	native passion vine
Rubus cissoides s.s. (unc)	tataramoa, bush lawyer

Ferns

<i>Adiantum cunninghamii</i>	maidenhair fern
<i>Arthropteris tenella</i>	
<i>Asplenium bulbiferum</i>	manamana, hen and chicken fern
<i>Asplenium gracillimum</i>	
<i>Asplenium hookerianum</i>	
<i>Asplenium flaccidum</i>	hanging spleenwort
<i>Asplenium oblongifolium</i>	huruhuruwhenua, shining spleenwort
<i>Asplenium polyodon</i>	petako, sickle spleenwort
<i>Blechnum chambersii</i>	nini
<i>Blechnum filiforme</i>	thread fern
<i>Blechnum fluviatile</i>	kiwakiwa
<i>Blechnum membranaceum</i>	
<i>Blechnum novaezelandiae</i> s.s.	kiokio
<i>Blechnum novaezelandiae</i> (<i>B. minus</i> of NZ authors)	swamp kiokio
<i>Blechnum procerum</i>	
<i>Cyathea dealbata</i>	ponga, silver fern
<i>Cyathea medullaris</i>	mamaku
<i>Dicksonia squarrosa</i>	wheki
<i>Diplazium australe</i>	
<i>Histiopteris incisa</i>	mata, water bracken
<i>Hymenophyllum demissum</i>	
<i>Hymenophyllum flabellatum</i> (unc)	
<i>Hymenophyllum flexuosum</i> (unc)	
<i>Hymenophyllum rarum</i> (unc)	
<i>Hymenophyllum multifidum</i>	
<i>Hymenophyllum sanguinolentum</i> agg. (unc) (lacks indusial crest and is hairy than normal)	
<i>Hypolepis ambigua</i>	
<i>Hypolepis lactea</i> (unc)	
<i>Lastreopsis glabella</i>	
<i>Lastreopsis hispida</i> (unc)	
<i>Leptopteris hymenophylloides</i> (unc)	single crepe
<i>Microsorium pustulatus</i>	kowaowao, hounds tongue
<i>Microsorium scandens</i>	mokimoki, scented fern
<i>Paesia scaberula</i>	matata, scented fern
<i>Pneumatopteris pennigera</i>	
pakauroharoha, gully fern	
<i>Pteris macilenta</i> (unc)	sweet fern
<i>Pteris tremula</i>	
<i>Pyrrhosia eleagnifolia</i>	ota, leather leaf fern

Orchids

Microtis sp. (unc)
Thelymitra sp.

Grasses

Echinopogon ovatus hedgehog
grass
Microlaena stipoides
Poa pusilla (unc)
Rytidosperma gracile

Sedges

Carex dissita
Carex inversa
Carex virgata
Isolepis reticularis
Uncinia uncinata

watu, hook grass

Rushes and allied plants

Juncus australis
Juncus gregiflorus
Juncus planifolius

wiwi

Remaining Monocotyledonous plants

Collopermum hastatum

Daisy-like herbs (Composites)

Euchiton audax
Euchiton gymnocephalus
Euchiton limosus
Helichrysum filicaule
Pseudognaphalium luteoalbum agg.

Dicotyledonous herbs other than Composites

Acaena anserinifolia (unc)
Callitriche muelleri
Cardamine sp. (C. debilis agg.) ("Narrow Petal" of Pritchard 1957)
Centella uniflora
Dichondra brevifolia agg. (very long petioles)
Epilobium nummulariifolium
Epilobium pedunculare
Galium propinquum
Hydrocotyle heteromeria
Hydrocotyle moschata
Hydrocotyle novae-zelandiae
Leptostigma setulosa
Nertera ciliata
Nertera depressa
Oxalis exilis
Parietaria debilis
Plantago raoulii (short rounded leaves)
Ranunculus reflexus
Solanum americanum
Stellaria decipiens
Wahlenbergia violacea

yellow oxalis

maruru, hairy buttercup

chickweed

Mosses:

Drepanocladus aduncus
Leucobryum candidum

Birds:

Fantail
Grey warbler
Mallard