

**Vascular plants on the property of Celia Wade-Brown and Alastair Nicholson,
Mangatarere Valley, "Duntulm Farm".**

Central grid reference Topo50 map BP34 Carterton 088665

**Wellington Botanical Society on 17, 18 and 19/1/98.
Wellington Botanical Society 2/10/21**

Map: NZTopo50-BP34 Masterton.

Grid reference: Centred on 090665.

G.P.S. grid reference: Latitude: -40.9278 Longitude: 175.4818

Area: ca. 250 hectares.

Catchment: Kiddie Creek, a true left tributary of Mangatarere Stream which is a true left tributary of Waiohine River.

Elevation range: ca. 210 m to spot height 537 m above sea level.

Landform: steep-sided valley.

Geology: Lithology: K-O. Alternating argillite and sandstone; massive greywacke sandstone. Conglomerates with granitic, rhyolitic, and very indurated greywacke pebbles. Spilitic lava. Spores. *Buchia cf. hochstetteri* Flem. Wakarara Greywackes. Puarooan stage. Oteke or Kawhia Series. Upper Jurassic. Mesozoic. Source: *NZ Geological Survey Map 1:250,000 Sheet 12 Wellington*. NZ Geological Survey. 1975.

Soils: Pedology: 12. Renata-Rimutaka soils. Source: *Soils of Wellington District*. H. S. Gibbs. Soil Bureau D.S.I.R. 1960

Aspect: Kiddie Creek flows south-west then south to its forks with Mangatarere Stream

Rainfall: Contiguous Tararua Forest Park rainfall: up to ca. 5,000 mm per annum. Source: Google – Tararua Forest Park.

Ecological District: Tararua Ecological District 38.01. Source: *Ecological Regions and Districts of NZ*. Sheet 3. Department of Conservation. 1987.

Forest classification: Mature podocarp/beechn/broad-leaved forest; regenerating native forest; rank pasture; exotic plantings: gymnosperms, broad-leaved tree species, annuals.

Tenure: C. Wade-Brown and A. Nicholson.

Legal status: Private land in two titles. Approximately 120ha of the regenerating forest is protected in perpetuity by a Permanent Forest Sink Initiative covenant. A QEII National Trust Open Space covenant has been applied for for most of the mature forest.

Management: Stock excluded from late 1980s. Previously logged, grazed and burnt. Intensive control of possums, rodents, mustelids, hedgehogs, etc., using bait stations and traps e.g., Goodnature A24, DOC200, AT220 traps from 2017 onwards. GWRC and OSPRI TB programme have significantly reduced rat and

possum numbers. Aerial 1080 is applied to the adjacent Tararua Forest Park from time to time. Pigs, deer, hares, magpies and feral cats are also targeted by permitted hunters and live capture traps. Woody weeds killed when found. Contractor sprayed Spanish Heath and gorse/broom along the tracks where native tree growth will not suppress these invasive weeds effectively in March 2022.

Territorial Local Authority: Carterton District Council

Regional Authority: Greater Wellington Regional Council

Central government: Department of Conservation – Whakaoriori/Masterton Area Office

Lists compiled:

1. 17-19.1.1998 by 15 members of Wellington Botanical Society;
2. Lists expanded on 2.10.2021 during a 5-hour reconnaissance by 17 members of Wellington Botanical Society. Route: Up “Blue” track from shade-house to spot height 537 m, then down Curlers Track to Valley Track to pond and shed.

agg = aggregate

f = flowering at date listed

s = in seed at time listed

x = not naturally occurring in area

(unc) = only one or two plants or locations seen

? = id to be confirmed

Botanical Name	Māori Name	Common Name
Gymnosperm Trees		
Dacrycarpus dacrydioides	kahikatea	kahikatea
Dacrydium cupressinum	rimu	rimu
Podocarpus totara var. totara	tōtara	tōtara
Prumnopitys ferruginea	miro	miro
Prumnopitys taxifolia	mataī	mataī
Monocot Trees and shrubs		
Cordyline australis	tī kōuka	cabbage tree
Cordyline banksii	tī ngahere	forest cabbage tree
Dicot Trees/Shrubs		
Alectryon excelsus subsp. excelsus	tītoki	tītoki
Alseuosmia pusilla	toropapa	alseuosmia
Aristotelia serrata	makomako	wineberry
Beilschmiedia tawa	tawa	tawa
Brachyglottis repanda (f 2/10/21)	rangiora	rangiora

<i>Carmichaelia australis</i>	tainoka	broom
<i>Carpodetus serratus</i>	putaputawētā	marble leaf
<i>Coprosma areolata</i>		
<i>Coprosma autumnalis</i>	kānono	kānono
<i>Coprosma crassifolia</i> (f 2/10/21)		
<i>Coprosma linariifolia</i>		yellowwood
<i>Coprosma lucida</i>	karamū	karamū
<i>Coprosma microcarpa</i>		
<i>Coprosma propinqua</i> var. <i>propinqua</i>		
<i>Coprosma rhamnoides</i>		
<i>Coprosma robusta</i>	karamū	karamū
<i>Coprosma rotundifolia</i>		
<i>Coprosma rubra</i>		
<i>Coprosma propinqua</i> x <i>C. robusta</i>		
<i>Coriaria arborea</i>	tutu	tree tutu
<i>Corokia cotoneaster</i>	korokio	wire netting bush
<i>Elaeocarpus dentatus</i> var. <i>dentatus</i>	hīnau	hīnau
<i>Elaeocarpus hookerianus</i>	pōkākā	pōkākā
<i>Fuchsia excorticata</i>	kōtukutuku	tree fuchsia
<i>Fuscospora fusca</i>	tawhai	red beech
<i>Fuscospora solandri</i>	tawhai rauriki	black beech
<i>Gaultheria antipoda</i>	tāwiniwini	snowberry
<i>Gaultheria macrostigma</i>		prostrate snowberry
<i>Gaultheria rupestris</i> (2019)		snowberry
<i>Geniostoma ligustrifolium</i> var. <i>ligustrifolium</i> (f 2/10/21)	hangehange	hangehange
<i>Griselinia littoralis</i>	kāpuka	broadleaf
<i>Griselinia lucida</i>	puka	broadleaf
<i>Hedycarya arborea</i>	porokaiwhiri	pigeonwood
<i>Helichrysum lanceolatum</i>	niniao	
<i>Hoheria sexstylosa</i>	houhiongaonga	narrow-leaved lacebark
<i>Knightia excelsa</i>	rewarewa	rewarewa
<i>Kunzea robusta</i>	kānuka	kānuka
<i>Laurelia novae-zelandiae</i>	pukatea	pukatea
<i>Leptecophylla juniperina</i>	mingimingi	mingimingi
<i>Leptospermum scoparium</i> var. <i>scoparium</i>	mānuka	mānuka
<i>Leucopogon fasciculatus</i>	mingimingi	mingimingi
<i>Melicope simplex</i>	poataniwha	
<i>Mida salicifolia</i> (unc)	maire taiki	N.Z. sandalwood
<i>Melicytus ramiflorus</i> subsp. <i>ramiflorus</i>	māhoe	mahoe
<i>Metrosideros robusta</i> (unc)	rātā	northern rātā
<i>Myrsine australis</i>	māpou	māpou
<i>Myrsine salicina</i>	toro	toro
<i>Neomyrtus pedunculata</i>	rōhutu	rōhutu
<i>Nestegis cunninghamii</i>	maire	black maire
<i>Nestegis lanceolata</i>	maire	white maire
<i>Nestegis montana</i>	maire	narrow-leaved maire

Olearia ilicifolia	hakeke	mountain holly
Olearia paniculata	akiraho	akiraho
Olearia rani var. colorata	heketara	heketara
Ozothamnus leptophyllus	tauhinu	tauhinu
Pennantia corymbosa	kaikōmako	kaikōmako
Peraxilla tetrapetala (unc f 11/2018)	pirirangi	red mistletoe found
Piper excelsum subsp. excelsum	kawakawa	kawakawa
Pittosporum cornifolium	tāwhirikaro	perching pittosporum
Pittosporum eugenioides	tarata	lemonwood
Pittosporum tenuifolium	kōhūhū	black matipo
Pseudopanax arboreus	whauwhaupaku	five-finger
Pseudopanax crassifolius	horoeke	lancewood
Pseudowintera axillaris	horopito	pepper tree
Pseudowintera colorata	horopito	mountain pepper tree
Pterophylla racemosa	kāmahi	kāmahi
Raukawa anomalus	whauwhaupaku	
Raukawa edgerleyi	raukawa	raukawa
Schefflera digitata	patē	patē
Solanum aviculare	poroporo	poroporo
Sophora microphylla (f 2/10/21)	kōwhai	S.I. kōwhai
Urtica ferox	ongaonga	tree nettle
Veronica parviflora	koromiko taranga	tree hebe
Veronica stricta var. stricta	koromiko	koromiko

Monocot Lianes

Freycinetia banksii	kiekie	kiekie
Ripogonum scandens	kareao	supplejack

Dicot Lianes

Clematis forsteri	pōānanga	clematis
Clematis paniculata	puawānanga	clematis
Metrosideros colensoi	rātā	white climbing rātā
Metrosideros diffusa	rātā	white climbing rātā
Metrosideros perforata	rātā	clinging white rātā
Muehlenbeckia australis	pōhuehue	large leaf muehlenbeckia
Parsonia capsularis	akakiore	N.Z. jasmine
Parsonia heterophylla	akakaikiore	N.Z. jasmine
Passiflora tetrandra	kōhia	NZ passionfruit
Rubus cissoides agg.	tātārāmoa	bush lawyer

Fern allies

Lycopodium volubile	waewaekoukou	climbing club moss
Phlegmariurus billardieri (unc)	whiri-o-Raukatauri	hanging club moss

Phlegmariurus varius ?

whiri-o-Raukatauri hanging club moss

Ferns

Adiantum cunninghamii	puhinui	common maidenhair
Asplenium bulbiferum	manamana	hen and chicken fern
Asplenium flabellifolium		necklace fern
Asplenium flaccidum	makawe-o-Raukatauri	hanging spleenwort
Asplenium gracillimum	manamana	
Asplenium hookerianum		
Asplenium oblongifolium	huruhuruwhenua	shining spleenwort
Asplenium polyodon	petako	sickle spleenwort
Asplenium hybrid		
Blechnum chambersii	nini	lance fern
Blechnum colensoi	peretao	waterfall fern
Blechnum deltoides (unc)	korokio	
Blechnum discolor	piupiu	crown fern
Blechnum filiforme	pānako	thread fern
Blechnum fluviatile	kiwakiwa	ray fern
Blechnum membranaceum		
Blechnum minus	kiokio	swamp kiokio
Blechnum procerum		
Blechnum novaeseelandiae	kiokio	kiokio
Botrychium bifforme (unc)		parsley fern
Cyathea dealbata	ponga	silver fern
Cyathea medullaris	mamaku	mamaku
Cyathea smithii	kātote	soft tree fern
Dicksonia squarrosa	whekī	whekī
Histiopteris incisa	mātā	water fern
Hymenophyllum demissum	irirangi	drooping filmy fern
Hymenophyllum dilatatum	matua mauku	filmy fern
Hymenophyllum flabellatum	mauku	filmy fern
Hymenophyllum flexuosum	mauku	filmy fern
Hymenophyllum multifidum	mauku	filmy fern
Hymenophyllum nephrophyllum	raurenga	kidney fern
Hymenophyllum rarum	mauku	filmy fern
Hymenophyllum sanguinolentum	piripiri	scented filmy fern
Hymenophyllum scabrum	mauku	rough filmy fern
Hymenophyllum villosum	mauku	filmy fern
Hypolepis ambigua		pig fern
Hypolepis lactea		sticky pig fern
Hypolepis rufobarbata		hairy pig fern
Lastreopsis hispida	tuakura	rough shield fern
Lastreopsis velutina		velvet shield fern
Leptopteris hymenophylloides	heruheru	single crepe fern
Microsorium pustulatum subsp. pustulatum	kōwaowao	hound's tongue

Microsorium scandens	mokimoki	fragrant fern
Notogrammitis billardiarei	paretao	strap fern
Notogrammitis heterophylla	taupeka	comb fern
Paesia scaberula	mātātā	ring fern
Parapolystichum glabellum		smooth shield fern
Pellaea rotundifolia	tarawera	button fern
Pteridium esculentum	rārahu	bracken
Pteris macilenta	titipo	sweet brake
Pneumatopteris pennigera	pākau	gully fern
Polystichum neozelandicum	pikopiko	shield fern
Polystichum vestitum	pūniu	prickly shield fern
Pyrrosia eleagnifolia	ota	leather-leaf fern
Rumohra adiantiformis	karuwhai	leathery shield fern
Tmesipteris elongata		fork fern
Trichomanes endlicherianum		bristle fern
Trichomanes venosum		veined bristle fern

Orchids

Chiloglottis cornuta		duck orchid
Corybas hypogaeus (f 2/10/21)		spider orchid
Dendrobium cunninghamii	winika	lady's slipper orchid
Earina autumnalis	raupeka	Easter orchid
Earina mucronata	peka-a-waka	spring orchid
Microtis unifolia	māikaika	onion-leaved orchid
Orthoceras novae-zeelandiae	māikaika	horned orchid
Thelymitra cyanea	māikuku	swamp sun orchid
Thelymitra longifolia agg	māikaika	white sun orchid
Thelymitra sp. narrow lvs. (unc)		sun orchid

Grasses

Austroderia fulvida	toetoe	toetoe
Festuca multinodis ? (probably F. rubra)		
Microlaena avenacea		bush rice grass
Poa sp.		
Rytidosperma sp.		

Sedges

Carex banksiana		hook sedge
Carex breviculmis ?		
Carex dissita		
Carex healyi		hook sedge
Carex horizontalis		hook sedge
Carex megalepis		hook sedge

Carex minor		hook sedge
Carex uncinata	matau-a-Maui	hook sedge
Carex secta	pūrei	
Carex sp.		
Eleocharis acuta		spike sedge
Gahnia procera ?	tākahikahi	
Gahnia setifolia	māpere	
Isolepis prolifera		

Rushes and allied genera

Juncus sarophorus	wīwī	leafless rush
Luzula banksiana var. banksiana		wood rush
Luzula picta var. picta		wood rush

Monocot Herbs

Arthropodium candidum	repehina-papa	small renga lily
Astelia fragrans	kakaha	bush flax
Astelia hastata	kahakaha	collospermum
Astelia microsperma	kahakaha	collospermum
Astelia solandri	kōwharawhara	astelia
Dianella nigra	tūrutu	blueberry
Libertia grandiflora	mikoikoi	NZ iris
Libertia ixioides	mikoikoi	NZ iris
Libertia mooreae	mikoikoi	N.Z. iris
Potamogeton cheesemanii	mānihi	red pond weed
Potamogeton suboblongus	rērēwai	pond weed

Composite Herbs

Anaphalioides trinervis		
Brachyglottis lagopus		yellow rock daisy
Craspedia minor ?	puatea	woollyhead
Helichrysum filicaule		
Raoulia glabra		mat daisy
Senecio minimus		fireweed
Senecio quadridentatus agg.	pekapeka	cotton fireweed

Dicot Herbs

Acaena anserinifolia	piripiri	bidibid
Acaena novae zelandiae	piripiri	bidibid
Australina pusilla subsp. pusilla		
Cardamine dolichostyla	panapana	N.Z bitter cress
Epilobium cinereum	pukatea	

Epilobium nummulariifolium		
Epilobium nerteroides		
Epilobium sp. (narrow-lvd.)		
Haloragis erecta subsp. erecta	toatoa	shrubby haloragis
Hydrocotyle elongata		
Hydrocotyle moschata var. moschata		hairy pennywort
Hydrocotyle novae-zelandiae agg		
Lobelia angulata	pānakenake	pratia
Nertera depressa		common bead plant
Plantago raoulii	kopakopa	N.Z. plantain
Ranunculus reflexus	mārūrū	buttercup
Stellaria parviflora	kohukohu	N.Z. chickweed
Urtica sykesii	ongaonga	nettle
Wahlenbergia sp.	rimuroa	harebell

Birds:

Indigenous

Anthornis melanura melanura

Gerygone igata

Hemiphaga novaeseelandiae

Mohoua albicilla

Prothemadera novaeseelandiae novaeseelandiae

Rhipidura fuliginosa placabilis

Tadorna variegata

korimako

riroriro

kererū

pōpokotea

tūī

pīwakawaka

pūtangitangi

bellbird

grey warbler

NZ wood pigeon

whitehead

tūī

N.I. fantail

paradise

Introduced

Fringilla coelebs gengleri

chaffinch

Adventives:

Botanical Name	Māori Name	Common Name
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Gymnosperm Trees

Pinus radiata		radiata pine
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Monocot Trees

Dicot Trees/Shrubs

Erica lusitanica (f 2/10/21)		Spanish heath
Ulex europaeus	kōhi	gorse

Monocot Lianes

Dicot Lianes

Rubus fruticosus agg.		blackberry
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Grasses

Dactylis glomerata		cocksfoot
Festuca rubra var. commutata		Chewing's fescue
Holcus lanatus		Yorkshire fog
Lolium arundinaceum subsp. arundinaceum		tall fescue

Sedges

Carex leporina ?		oval sedge
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Rushes

Juncus effusus var. effusus		soft rush
Juncus tenuis subsp. tenuis		track rush

Monocot Herbs

Crocasmia x crocosmiiflora		montbretia
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Composite Herbs

Cirsium palustre		swamp thistle
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Cirsium vulgare
Jacobaea vulgaris
Leucanthemum vulgare
Taraxacum officinale (f 2/10/21)

Scotch thistle
ragwort
oxeye daisy
dandelion

Dicot Herbs

Digitalis purpurea
Linum bienne (f 2/10/21)
Nasturtium officinale
Orobanche minor
Plantago lanceolata
Prunella vulgaris
Ranunculus acris subsp. acris
Ranunculus repens (f 2/10/21)
Trifolium repens (f 2/10/21)
Verbascum thapsus
Vicia sativa (f 2/10/21)

foxglove

watercress
broom rape
narrow leaved plantain
selfheal
giant buttercup
creeping buttercup
white clover
woolly mullein
common vetch