

Wairau Plain
Landscape Concept **GUIDELINES**

OLD DUNE COUNTRY



OLD DUNE COUNTRY

Plants of the Kahikatea, Raupo, Flaxlands Ecosystem

KEY

Food: for *native birds* shown as:

F = Fruit/seed; N = Nectar; B = Bud/foilage; I = Insects. L = Fruit for *Lizards*

Tolerances: for *sunny, shady, moist, dry* and *windy* conditions shown as:

■ = tolerates or needs; □ = intolerant; ½ = tolerant of some; W = tolerates wet or flooded

Use: 1st = plant initially; 2nd = plant when shelter established, ** = can be invasive; * = plant that may colonize naturally

Notes: A=attractive; Q=quick growing; D=deciduous; F=flowers showy; U=upright growth form; L=bold leaves; B=showy berries

H=can be clipped into hedge form; S=shelter value; J=keeps juvenile form for some time; P=perfumed; T=twiggy

(nr) = nationally rare



botanical name	common name	food	tolerances					use	notes
			sun	shade	moist	dry	wind		
TALL TREES (<i>greater than 8 metres tall</i>)									
<i>Dacrycarpus dacrydioides</i>	kahikatea, white pine	F,I	■	½	□	■	2 nd	AUB	
<i>Dacrydium cupressinum</i>	rimu	F,I	■	½	□	■	2 nd	AU	
<i>Elaeocarpus dentatus</i>	hinau	F,I	■	½	□	□	2 nd	AU	
<i>Laurelia novaezelandiae</i>	pukatea	F	■	■	□	□	2 nd	FUJ	
<i>Nothofagus fusca</i>	red beech	F,I	½	½	□	□	2 nd	AU	
<i>Nothofagus solandri var solandri</i>	black beech	F,I	½	½	□	□	2 nd	AU	
<i>Nothofagus truncata</i>	hard beech	F,I	■	□	□	□	2 nd	AU	
<i>Podocarpus hallii</i>	mountain totara	F,N,B,I	■	■	■	■	2 nd		
<i>Podocarpus totara</i>	totara	F,N,B,I	■	■	■	■	2 nd	AUHS	
<i>Prumnopitys taxifolia</i>	matai, black pine	F,B,I	■	½	■	½	2 nd	AU	
TREES & TALL SHRUBS (<i>greater than 5 metres tall</i>)									
<i>Alectryon excelsus</i>	titoki	F,I	□	■	□	½	□	2 nd	AULH
<i>Aristotelia serrata</i>	makomako, wineberry	F,B,I	½	½	■	½	□	2 nd	AQB
<i>Carpodetus serratus</i>	putaputaweta, marbleleaf	F,B,I	□	½	■	■	□	2 nd	AU
<i>Coprosma linariifolia</i>	narrow-leaved coprosma	F,I,L	½	■	■	½	½	1 st	QBHST
<i>Coprosma lucida, C.robusta</i>	shining karamu	F	■	■	■	■	■	1 st	QBHS
<i>Coprosma rotundifolia</i>	round-leaved coprosma	F,I	½	■	■	½	½	1 st	QBHT
<i>Cordyline australis</i>	ti kouka, cabbage tree	F,N,I	■	½	■	■	■	1 st	AQFUP
<i>Dodonaea viscosa</i>	akeake		■	□	□	■	■	2 nd	AULHS
<i>Fuchsia excorticata</i>	kotukutuku, tree fuchsia	F,N,B,I	½	■	■	□	□	2 nd	AFU
<i>Griselinia littoralis</i>	kapuka, broadleaf	F,B,N,I	■	■	■	■	■	2 nd	ALHS
<i>Hoheria angustifolia</i>	houhere, narrow-leaved lacebark	F,I	■	½	■	■	■	1 st	QFUHS
<i>Leptospermum scoparium</i>	manuka, tea tree	N,I	■	□	■	■	■	1 st	FUHS
<i>Lophomyrtus obcordata</i>	rohutu, NZ myrtle	F,I	■	■	■	■	■	2 nd	QHS
<i>Meliccytus ramiflorus</i>	mahoe, whiteywood	N,B,I	½	■	½	□	½	2 nd	AQFLHS
<i>Myoporum laetum</i>	ngaio		■	□	■	■	■	2 nd	AQLHS
<i>Myrsine australis</i>	mapou, red mapou	F,I	■	■	½	½	½	2 nd	AHS
<i>Olearia paniculata</i>	akiraho	I	■	□	■	½	■	1/2	
<i>Pennantia corymbosa</i>	kaikomako	F	½	½	■	½	□	2 nd	AULB
<i>Pittosporum eugenioides</i>	tarata, lemonwood	F,I	■	■	½	■	□	1/2	AQULHS
<i>Pittosporum tenuifolium</i>									
<i>spp tenuifolium</i>	kohuhu, black matipo	F,I	■	■	■	■	■	1 st	QUHS
<i>Plagianthus regius</i>	manatu, lowland ribbonwood	F,I	■	½	■	½	■	1 st	AQDFUHS
<i>Pseudopanax arboreus</i>	whauwhaupaku, fivefinger	F	□	■	■	□	□	2 nd	AFULHS
<i>Pseudopanax crassifolius</i>	lancewood, horoeka	F,B,N,I	■	½	■	■	■	2 nd	AQUJ
<i>Solanum aviculare</i>	poroporo	F	■	■	½	■	½	2 nd *	QFBHS

PLANT LISTS (cont')

botanical name	common name	food	tolerances	use notes
			sun shade moist dry wind	
<i>Solanum laciniatum</i>	poroporo	F	■ ■ ■ ■ ■	2 nd * QFBHS
<i>Streblus heterophyllus</i>	turepo, small-leaved milk tree	F	½ ■ ■ ■ □ □	2 nd B
<i>Syzgium maire</i>	swamp maire	F	½ ■ ■ ■ □ □	2 nd U

SHRUBS (from 1 to 5 metres tall)

<i>Brachyglottis repanda</i>	Rangiora		■ □ □ ■ ■	1 st AQL
<i>Carmichaelia australis</i> var "ovata"	NZ broom, makaka	F,I	■ □ □ ■ ■	2 nd J
<i>Carmichaelia carmichaeliae</i>	NZ broom, makaka	F,I	■ □ □ ■ ■	2 nd J
<i>Coprosma crassifolia</i>	thin-leaved coprosma	F,L	■ ■ ■ ½ □	1 st QBHJT
<i>Coprosma foetidissima</i>	stinking coprosma	F,I,L	■ ■ ■ ■ ■	2 nd QHPT
<i>Coprosma linariifolia</i>	narrow leaved cop', yellow-wood	F,I,L	■ ■ ■ ■ ■	1 st AQBHT
<i>Coprosma lucida</i>	shining karamu	F,I,L	■ ■ ■ ■ ■	2 nd AQLH
<i>Coprosma propinqua</i>	mikimiki, mingimingi	F,I,L	■ ■ ■ ■ ■	1 st AQBHST
<i>Coprosma rigida</i>		F,I,L	■ ■ ■ ■ ■	2 nd AQBHST
<i>Coprosma rotundifolia</i>	round leaved coprosma	F,I,L	■ ■ ■ ■ ■	2 nd AQBHST
<i>Coprosma rubra</i>	red-stemmed coprosma	F,I,L	■ ½ ■ ½ ■	2 nd (nr)
<i>Coprosma taylorae</i>		F,I,L	■ ■ ■ ■ ■	2 nd
<i>Coriaria arborea</i>	tutu (toxic)	F	■ ½ ■ ■ ■	2 nd *
<i>Corokia cotoneaster</i>	korokio	N	■ □ ½ ■ ■	1 st AFHT
<i>Cyathodes juniperina</i>	mingimingi	F	□ ½ ■ ■ □	1/2
<i>Discaria toumatou</i>	matagouri		■ □ ½ ■ ■	1 st FSPT
<i>Hebe gracillima</i>	hebe	I	■ ½ ½ ½ ■	1 st QFHT
<i>Hebe parviflora</i>	hebe	I	■ □ □ ■ ■	2 nd QFHT
<i>Hebe salicifolia</i>	koromiko	I	■ ½ ½ ½ ■	1 st QFHT
<i>Hebe stenophylla</i>	koromiko	I	■ ½ ½ ½ ■	1 st QFHT
<i>Hebe stricta</i> var <i>atkinsonii</i>	koromiko	I	■ ½ ½ ½ ■	1 st QFHT
<i>Hebe traversii</i>	hebe	I	■ □ □ ■ ■	2 nd QFHT
<i>Helichrysum lanceolatum</i>			■ □ □ □ □	2 nd F
<i>Leucopogon fasciculatus</i>	mingimingi		½ ½ □ ■ □	2 nd B
<i>Macropiper excelsum</i>	kawakawa	F	½ ½ ■ ■ ½	2 nd AQL
<i>Melicope simplex</i>	poataniwha	F,I	½ ■ ■ □ ■	2 nd UHS
<i>Muehlenbeckia astonii</i> R	shrubby tororaro/bush pohuehue	F,N,L	■ □ ½ ■ ■	1 st AQDHT
<i>Myrsine divaricata</i>	weeping mapou	F,I	■ ■ ■ ½ □	2 nd
<i>Neomyrtus pedunculata</i>	rohutu	F	□ ■ ■ □ □	2 nd
<i>Raukawa anomalus</i>	shrub pseudopanax	F,N	½ ½ ■ ½ ½	2 nd T
<i>Sophora prostrata</i>	prostrate kowhai	N	■ □ □ ■ ■	1 st JT
<i>Urtica ferox</i>	tree nettle (toxic)		□ ■ ■ □ □	2 nd * L

GROUNDCOVERS (less than 3 metres tall)

<i>Anemanthele lessoniana</i>	bamboo grass, windgrass		½ ■ ■ ½ ½	1 st ** AQJ
<i>Astelia fragans</i>	bush flax, kakaha	F,I	½ ■ ■ □ □	2 nd AQJ
<i>Carex comans</i>	carex	F	■ ½ □ ■ ■	1 st AQJ
<i>Carex dipsacea</i>	carex		■ □ □ □ ■	1 st AQJ
<i>Carex dissita</i>	carex		■ ■ ■ □ ■	1 st AQJ
<i>Carex flagellifera</i>	carex		■ ■ ■ □ ■	1 st AQJ
<i>Carex forsteri</i>	carex		■ ■ ■ □ ■	1 st AQJ
<i>Carex lambertiana; C. solandri</i>	sedges		■ ½ ■ □ □	1 st AQJ
<i>Carex testacea</i>	carex		■ □ □ ■ ■	1 st AQJ

OLD DUNE COUNTRY



PLANT LISTS (cont')

botanical name	common name	food tolerances	use					notes	
			sun	shade	moist	dry	wind		
<i>Coprosma acerosa</i> var "brunnea"			■	□	□	■	■	1 st	BJ
<i>Coriaria sarmentosa</i>	tutu (toxic)		■	□	■	■	■	2 nd	*
<i>Cortaderia richardii</i>	toetoe		■	□	■	■	■	1 st	AQFHS
<i>Dianella nigra</i>	turutu, blue berry	F	½	■	■	□	□	2 nd	AQBJ
<i>Fuchsia perscandens</i>		F	□	■	■	□	□	2 nd	F
<i>Heliohebe hulkeana</i> ssp <i>hulkeana</i>	hebe, NZ lilac	I	½	½	■	□	□	2 nd	QFHT
<i>Libertia ixioides</i>	NZ iris, mikoikoi	F	½	■	■	■	■	1 st	AQFBJ
<i>Meliccytus "waipapa bay"</i>	porcupine shrub	F	■	□	□	■	□	2 nd	US
<i>Muehlenbeckia complexa</i>			■	□	□	■	□	1 st	BHJ
<i>Microlaena polynoda</i>	bamboo rice grass	I	□	■	■	□	□	1 st	QJ
<i>Olearia arborescens</i>			■	□	½	■	□	2 nd	F
<i>Olearia rani</i>	heketara		■	□	½	■	□	2 nd	F
<i>Olearia solandri</i>	coastal tree daisy		■	□	□	■	□	2 nd	QFSPT
<i>Ozothamnus leptophyllus (Cassinia)</i>	tauhinu, cottonwood	I	■	□	■	■	■	1 st	
<i>Phormium tenax</i>	harakeke, NZ flax	N,L	■	□	■	■	■	1 st	AQFHS
<i>Poa cita</i>	silver tussock, wiwi	F	■	□	■	■	■	1 st	AQFJ
<i>Typha orientalis</i>	raupo, bullrush		■	□	■	□	■	1 st	AQDFS
<i>Uncinia ferruginea</i>	hook grass		□	■	■	□	□	1 st	QJ
<i>Uncinia laxiflora</i>	hook grass		□	■	■	□	□	1 st	QJ
<i>Uncinia leptostachya</i>	hook grass		□	■	■	□	□	1 st	QJ
<i>Uncinia scabra</i>	hook grass		□	■	■	□	□	1 st	QJ
<i>Uncinia uncinata</i>	watau, hook sedge		□	■	■	□	□	1 st	QJ

TREE & GROUND FERNS

<i>Blechnum novae zelandiae</i>	kiokio, small hardfern		■	½	■	□	□	2 nd	AQJ
<i>Cyathea dealbata</i>	ponga, silver fern, a tree fern		□	■	■	□	□	2 nd	AU
<i>Cyathea medullaris</i>	mamaku, a tree fern		□	■	■	□	□	2 nd	AU
<i>Cyathea smithii</i>	katote, soft tree fern	I	□	■	■	□	□	2 nd	AU
<i>Dicksonia squarrosa</i>	wheki, rough tree fern	I	½	■	■	□	□	2 nd	AU
<i>Polystichum richardii</i> ; <i>P. vestitum</i>	shield ferns; pikopiko; puniu		½	■	■	□	□	2 nd	AQJ

VINES

<i>Parsonsia</i> spp.	NZ jasmine	B	½	■	½	□	□	2 nd	AQFBJP
<i>Passiflora tetrandra</i>	kohia, native passionvine		□	■	½	□	□	2 nd	AQFBJP

KEY

Food: for *native birds* shown as:

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Tolerances: for *sunny, shady, moist, dry* and *windy* conditions shown as:

■ = tolerates or needs; □ = intolerant; ½ = tolerant of some; W = tolerates wet or flooded

Use: 1st = plant initially; 2nd = plant when shelter established, ** = can be invasive; * = plant that may colonize naturally

Notes: A=attractive; Q=quick growing; D=deciduous; F=flowers showy; U=upright growth form; L=bold leaves; B=showy berries
H=can be clipped into hedge form; S=shelter value; J=keeps juvenile form for some time; P=perfumed; T=twiggy

(nr) = nationally rare

OLD DUNE COUNTRY



Wairau Plain
Landscape Concept GUIDELINES

COASTAL LANDS



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Plants of the Ngaio, Pingao, Wiwi Ecosystem



KEY

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botanical name	common name	food	tolerances					use	notes
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TREES & LARGE SHRUBS (greater than 5 metres tall)									
<i>Cordyline australis</i>	ti kouka, cabbage tree	F,N,I	■	½	■	■	■	1 st	AQFUP
<i>Corynocarpus laevigatus</i>	karaka (pre-European introduction)	F	■	½	½	■	■	2 nd	AFULBHS
<i>Dacrycarpus dacrydioides</i>	kahikatea, white pine	F,I	■	½	□	■	■	2 nd	AUB
<i>Dodonaea viscosa</i>	akeake		■	□	□	■	■	2 nd	AULHS
<i>Griselinia lucida</i>	puka		■	■	½	½	■	2 nd	AL
<i>Kunzea ericoides</i>	kanuka	N,I	■	□	■	½	■	1 st	FUHS
<i>Leptospermum scoparium</i>	manuka, teatree	N,I	■	□	■	■	■	1 st	FUHS
<i>Melicope ternata</i>	wharangi		½	½	½	½	½	2 nd	ALP
<i>Melicytus ramiflorus</i>	mahoe, whiteywood	N,B,I	■	■	□	□	■	2 nd	AQFLHS
<i>Myoporum laetum</i>	ngaio	F,N	■	□	½	■	■	2 nd	AQLHS
<i>Myrsine australis</i>	mapou, red matipo	F,I	■	■	□	■	■	1 st	AHS
<i>Olearia avicenniifolia</i>	akiraho, a tree daisy	N,I	■	□	½	■	■	1 st	FHS
<i>Olearia paniculata</i>	akiraho, golden akeake	I	■	□	□	½	■	1 st	
<i>Pittosporum tenuifolium ssp tenuifolium</i>		F,I	■	■	■	■	■	1 st	QUHS
<i>Pseudopanax arboreus</i>	whauwhaupaku, fivefinger	F,N,I	■	■	½	½	½	2 nd	AFULHS
<i>Pseudopanax ferox</i>	fierce lancewood	F,N,B,I	■	½	■	■	■	1 st	AQULJ
<i>Solanum laciniatum</i>	poroporo		■	□	½	■	■	1 st	QFBHS
SHRUBS (from 1 to 5 metres tall)									
<i>Brachyglottis repanda</i>	Rangiora		■	□	□	■	■	1 st	LS
<i>Carmichaelia "robusta"</i>	NZ broom, makaka	L	■	□	½	■	■	1 st	J
<i>Carmichaelia appressa</i>	NZ broom	L	■	□	□	■	■	1 st	J
<i>Carmichaelia australis var "ovata"</i>	broom	L	■	□	½	■	■	2 nd	J
<i>Carmichaelia muritai</i>	Muritai broom		■	□	½	■	■	1 st	J
<i>Coprosma crassifolia</i>	a thick-leaved mikimiki	L	■	■	½	■	■	1 st	QBHJT
<i>Coprosma propinqua</i>	mikimiki, mingimingi	F,I,L	■	■	■	■	■	1 st	AQBHST
<i>Coprosma repens</i>	taupata (pre-European introduction)	F	■	■	■	½	■	1 st	AQLBH
<i>Coriaria arborea</i>	tutu (<i>toxic</i>)	F	■	½	■	■	■	2 nd	*
<i>Corokia cotoneaster</i>	korokio	F,N	■	□	□	■	■	1 st	AFHT
<i>Discaria toumatou</i>	matagouri		■	□	□	■	■	1 st	FSPT
<i>Hebe stricta var macrouria</i>	koromiko, hebe	I	■	½	½	½	■	1 st	
<i>Helichrysum lanceolatum</i>	niniao		■	□	□	■	■	1 st	F
<i>Heliohebe hulkeana ssp hulkeana</i>	hebe	I	■	½	½	½	■	1 st	
<i>Macropiper excelsum</i>	kawakawa	F	½	½	■	■	½	2 nd	AQLP
<i>Melicytus "waipapa"; M. crassifolius</i>	porcupine shrubs	F,L	■	□	□	■	■	1 st	JT
<i>Melicytus alpinus</i>	porcupine shrub	F,L	■	□	□	■	■	1 st	JT
<i>Muehlenbeckia astonii (nr)</i>	shrub pohuehue	F,L	■	□	½	■	■	1 st	AQDHT

PLANT LISTS (cont')

botanical name	common name	food	tolerances					use notes
			sun	shade	moist	dry	wind	
<i>Muehlenbeckia complexa</i>	pohuehue	F,L	■	□	■	■	■	1 st BHJ
<i>Muehlenbeckia ephedroides</i>	pohuehue	F,L	■	□	■	■	■	1 st
<i>Olearia odorata; O. solandri</i>	fragrant shrub ² ; coastal tree daisies		■	□	□	■	■	1 st QFHSP
<i>Ozothamnus leptophyllus (Cassinia)</i>	tauhinu, cottonwood	I	■	□	■	■	■	1 st
<i>Plagianthus divaricatus</i>	marsh ribbonwood		■	□	■	½	■	1 st AQHST
<i>Pomaderris ericifolia</i>	tauhinu		■	□	□	■	■	1 st
<i>Sophora prostrata</i>	prostrate kowhai (toxic)	N	■	□	□	■	■	1 st JT
<i>Urtica linariifolia</i>			□	■	■	□	□	2 nd

TUSSOCK GRASSES & FLAXES (less than 3 metres tall)

<i>Austrofestuca littoralis</i>	sand fescue		■	□	□	■	■	1 st U
<i>Cortaderia richardii</i>	toetoe		■	□	■	■	■	1 st
<i>Leptocarpus similis</i>	oioi, jointed wire rush		■	□	□	□	w	1 st AQFUJ
<i>Phormium cookianum</i>	whararikiki, flax	N,L	■	□	■	■	w	1 st AQFHS
<i>Phormium tenax</i>	harakeke, NZ flax	N,L	■	□	■	■	w	1 st AQFHS
<i>Poa cita</i>	wiwi, silver tussock	F	■	□	■	■	■	1 st AQFJ
<i>Schoenoplectus validus</i>	lake club rush		■	□	■	□	w	1 st

GROUNDCOVERS & others (less than 2 metres tall)

<i>Apium prostratum</i>	sea celery		■	½	½	½	■	1 st
<i>Calystegia soldanella</i>	nihinihi, sand convolvulus		■	□	□	■	■	1 st
<i>Carex flagellifera</i>			■	□	□	□	■	1 st AQJ
<i>Carex pumila</i>	sand sedge		■	□	□	■	■	1 st AQJ
<i>Clematis afoliata</i>	leafless scrambling clematis, pohuehue		■	□	□	■	■	1 st AFP
<i>Coprosma acerosa</i>	sand coprosma	L	■	□	½	■	■	1 st BJ
<i>Desmoschoenus spiralis</i>	pingao, golden sand sedge		■	□	□	■	■	1 st AQLJ
<i>Discaria toumatou var "prostrata"</i>	matagouri		■	□	□	■	■	1 st FSPT
<i>Euphorbia glauca</i>	shore spurge		■	□	□	■	■	1 st AQFL
<i>Limosella lineata</i>	NZ mudwort		■	□	■	½	■	1 st
<i>Linum monogynum</i>	raubuia		■	□	□	■	■	1 st AF
<i>Microlaena polynoda</i>	bamboo rice-grass		½	■	■	½	½	2 nd QJ
<i>Pimelea arenaria; P. prostrata</i>	sand daphne		■	□	½	■	■	1 st
<i>Pteridium esculentum</i>	bracken fern, rahurahu		■	½	½	■	■	1 st QLJ
<i>Samolus repens</i>	sea primrose, moakoako		■	□	■	½	■	1 st
<i>Spinifex hirsutus; S. sericeus</i>	spinifex		■	□	□	■	■	1 st AQ

NICHE PLANTS FOR DAMP OR WET SITES (less than 2 metres tall)

<i>Bolboschoenus caldwellii</i>	a sedge		■	□	■	□	w	1 st
<i>Carex geminata</i>	cutty grass, rautahi, purei		■	□	□	■	w	1 st AQJ
<i>Cyperus ustulatus</i>	umbrella sedge, upoko-tangata		■	□	½	½	w	1 st AQJ
<i>Epilobium billardiaceum</i>	willowherb		■	□	□	■	w	1 st
<i>Gunnera dentata</i>	sand gunnera		■	½	■	½	w	1 st
<i>Hierochloa redolens</i>	holy grass, karetu		■	□	■	½	w	1 st
<i>Isolepis basilaris; Isolepis nodosa</i>	a turf club-rush; knobby club-rush		■	□	■	½	w	1 st
<i>Juncus maritimus</i>	sea rush		■	□	□	■	w	1 st AQF
<i>Juncus pallidus</i>	wiwi, giant rush		■	½	■	½	w	1 st AQF
<i>Leptinella dioica</i>	cotula		■	½	■	½	w	1 st
<i>Mazus novaezeelandiae</i>	a carpet musk		■	□	■	½	w	1 st
<i>Schoenoplectus pungens; S. concinnus</i>	three-square, a turf sedge		■	□	□	■	w	1 st AQ
<i>Scirpoides nodosa</i>	wiwi, knobby clubrush		■	□	■	■	w	1 st
<i>Selliera radicans</i>	remuremu, a mat plant		■	□	■	½	w	1 st

COASTAL LANDS

