

INLAND MOUTERE VALLEYS ECOSYSTEM NATIVE PLANT RESTORATION LIST

Locality:	Valleys draining the inland Moutere hill country of the Wai-iti, Dove, Redwood, Eves and upper Moutere catchments.
Topography:	Flat to gently sloping terraces, fans and flood-plains.
Soils and Geology:	Free-draining alluvial sandy, silty or gravelly loams of low to medium fertility. Derived from Moutere Gravels. Stoniness is variable. Moderately drought-prone.
Climate:	High sunshine hours; frosts moderate to heavy; mild annual temperatures, warm summers; rainfall 890-1150mm.
Coastal influence:	None, except for very small area Waimea River mouth.
Original Vegetation:	Mixed podocarp-beech-broadleaf forests. Wetlands in channels and depressions of flood-plains, and backs of terraces below toe-slopes.
Human Modification:	No areas of native vegetation remain except for several small copses of forest and treeland. Hydrology is altered in places by drainage and channelisation. Base water table has been lowered in places.

[Refer to the Ecosystem Restoration map showing the colour-coded area covered by this list.]

KEY

PLANTING RATIO	PLANT PREFERENCES	TYPE OF FOOD PROVIDED FOR BIRDS AND LIZARDS
<p>Early Stage plants are able to establish in open sites and can act as a nursery for later stage plants by providing initial cover.</p> <p>Later Stage plants need cover to establish.</p> <p>2 = plant commonly 1 = plant less commonly 0 = not suitable to plant at this stage</p>	<p>Wet, Moist, Dry, Sun, Shade, Frost</p> <p>1 = prefers or tolerates ½ = prefers or tolerates some 0 = intolerant of</p> <p>Plant in habitat type:</p> <p>W = freshwater wetlands R = river banks (riparian)</p>	<p>F = Fruit/seeds</p> <p>N = Nectar</p> <p>B = Buds/foilage</p> <p>I = Insects</p>

PLANT SPECIES FOR INLAND MOUTERE VALLEYS ECOSYSTEM		EARLY STAGE PLANTING RATIO	LATER STAGE PLANTING RATIO	PLANT PREFERENCES								Maximum Height (metres)	Food Type
Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Wetlands Only	Riparian Mostly		
TREES													
Alectryon excelsus	tītoki	0	1	0	1	1	0	1	0			15	FI
Aristotelia serrata	makomako, wineberry	1	2	½	1	0	0	1	½			10	FBI
Beilschmiedia tawa	tawa	0	1	0	1	0	0	1	0			20	FI
Carpodetus serratus	putaputāwētā, marbleleaf	1	1	1	1	0	1	½	1			10	FBI
Coprosma areolata	thin-leaved coprosma	1	2	0	1	½	½	½	½			5	FBI
Coprosma grandifolia	raurekau	0	1	½	1	0	½	1	0			6	FB
Coprosma linariifolia	yellow-wood	1	1	0	1	½	1	1	½			6	F
Coprosma lucida	shining karamū	1	2	0	1	1	1	½	½			6	F
Coprosma robusta	karamū	2	1	½	1	1	1	½	½			6	F
Coprosma rotundifolia	hairy coprosma	1	2	½	1	0	½	1	1			5	FB
Cordyline australis	tī kouka, cabbage tree	2	0	1	1	1	1	0	1			12	FNI
Coriaria arborea	tree tutu	2	0	½	1	1	1	0	½			6	F
Cyathea dealbata	ponga, silver fern	0	1	0	1	½	0	1	½			7	I
Dacrycarpus dacrydioides	kāhikatea	1	2	1	1	0	½	½	1			60	FI

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Wetlands Only	Riparian Mostly		
Dacrydium cupressinum	rimu	0	1	1	1	½	½	½	1			35	FI
Dicksonia fibrosa	whekī ponga	0	1	½	1	0	½	1	1	W		6	I
Dicksonia squarrosa	whekī	0	1	½	1	0	0	1	1			6	I
Dodonaea viscosa	akeake	2	0	0	1	1	1	0	½			7	I
Elaeocarpus dentatus	hīnau	0	2	½	1	0	½	1	½			18	FNBI
Elaeocarpus hookerianus	pōkākā	1	2	1	1	0	½	½	1			12	FI
Fuchsia excorticata	kōtukutuku, tree fuchsia	0	2	½	1	0	½	1	½			10	FNBI
Griselinia littoralis	papauma, broadleaf	1	2	0	1	1	1	1	1			12	FBI
Hedycarya arborea	porokaiwhiri, pigeonwood	0	1	0	1	1	1	½	½			8	FBI
Hoheria angustifolia	narrow-leaved lacebark	2	2	½	1	1	1	0	1			10	FI
Kunzea ericoides	kānuka	2	0	0	½	1	1	0	1			15	NI
Leptospermum scoparium	mānuka	1	0	1	1	1	1	0	1			8	NI
Lophomyrtus obcordata	rōhutu	2	2	½	1	1	1	1	½			8	FI
Melicope simplex	poataniwha	1	2	0	1	1	1	1	½			5	
Melicytus ramiflorus	māhoe, whiteywood	0	2	½	1	1	½	1	½			10	FBI
Myrsine australis	māpou	1	2	0	1	1	1	½	1			8	FI
Nestegis montana	narrow-leaved maire	0	1	½	1	½	0	1	½			10	FI
Nothofagus menziesii	silver beech	1	2	1	1	1	½	½	1			30	F
Nothofagus solandri var. solandri	black beech	1	2	0	1	1	1	½	1			25	FNI
Pennantia corymbosa	kaikōmako	2	2	1	1	1	1	1	1			12	FNBI
Pittosporum eugenioides	tarata, lemonwood	2	1	½	1	1	1	½	1			12	FI
Pittosporum tenuifolium	kōhūhū	2	1	0	1	1	1	½	1			9	FBI
Plagianthus regius	manatū, lowland ribbonwood	2	2	½	1	1	1	0	1			15	FBI
Podocarpus totara	tōtara	2	2	0	1	1	1	½	1			30	FBI
Prumnopitys ferruginea	miro	0	2	½	1	0	½	½	1			25	FI
Prumnopitys taxifolia	mataī	2	2	0	1	1	1	½	1			25	FI
Pseudopanax arboreus	orihou, five finger	0	1	0	1	½	½	½	½			8	FNBI
Pseudopanax crassifolius	horoeka, lancewood	2	2	½	1	1	1	1	1			10	FNI
Schefflera digitata	patē, seven-finger	0	1	½	1	0	½	1	½			8	FBI
Sophora microphylla	kōwhai	2	2	0	½	1	1	½	1			10	NBI
Streblus heterophyllus	milkwood	1	1	0	1	1	½	½	½			10	FB
Weinmannia racemosa	kāmahi	1	1	½	1	½	½	½	1			10	NI
SHRUBS													
Carmichaelia australis var. "flagelliformis"	whip broom	2	1	½	1	1	1	½	1		R	2	NB
Coprosma microcarpa	beech coprosma	0	1	0	1	½	0	1	1			2	F
Coprosma obconica	base coprosma	2	1	½	1	1	½	½	1			2	F
Coprosma propinqua	mikimiki	2	1	1	1	1	1	0	1			5	F
Coprosma rhamnoides	bucks-horn coprosma	1	1	0	½	1	1	½	1			2	F
Coprosma rigida	streamside coprosma	2	1	½	1	½	1	½	1			5	F
Coprosma tayloriae	tier coprosma	2	1	1	1	1	1	½	1			2	F
Coprosma tenuicaulis	swamp coprosma	2	1	1	1	0	1	½	1		R	3	F
Hebe leiophylla (= H. gracillima)	arching koromiko	1	0	½	1	½	½	½	1	W		2	
Hebe salicifolia	South Island koromiko	1	0	½	1	0	1	½	1	W		2	NBI
Hebe stenophylla var. stenophylla	narrow-leaved hebe	2	0	0	½	1	1	½	1		R	2	NI
Leptecophylla juniperina	prickly mingimingi	1	1	0	½	1	1	½	1			3	F
Leucopogon fasciculatus	mingimingi	0	2	0	½	1	½	½	1			4	F

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Wetlands Only	Riparian Mostly		
Melicytus "Waipapa"	lowland porcupine shrub	2	0	0	½	1	1	½	1			½	F
Melicytus micranthus	manakura, swamp māhoe	0	2	1	1	0	½	1	½			2	F
Ozothamnus leptophyllus	tauhinu, cottonwood	2	0	0	½	1	1	0	1			2	I
Pittosporum divaricatum	wiry kōhūhū	1	1	0	1	1	1	½	1			2	
Raukahu anomalous	stout netting bush	1	1	½	1	½	½	1	1			2	FN
Teucrium parvifolium	native germander	1	2	0	1	1	½	½	½		R	1	
CLIMBERS													
Clematis foetida	dainty clematis	0	1	0	1	1	½	½	½			5	
Clematis paniculata	puawānanga, bush clematis	0	1	0	1	0	½	½	½			7	
Fuchsia perscandens	scrambling fuchsia	0	1	½	1	0	½	½	½			2	FNBI
Metrosideros diffusa	rātā vine	0	1	½	1	0	½	1	½			10	N
Metrosideros perforata	lowland rātā vine	0	1	0	1	½	½	1	½			15	N
Rhipogonum scandens	kareao, supplejack	0	2	1	1	0	½	1	½			15	F
Rubus australis	swamp lawyer	0	1	1	1	0	1	½	1			5	F
Rubus schmidelioides	shrub lawyer	0	2	0	1	1	1	½	1			5	F
GRASSES, SEDGES, RUSHES & GROUND COVERS													
Acaena anserinifolia	piripiri, bidibid	1	1	½	1	1	1	½	1			0.2	
Anemanthe lessoniana	gossamer grass	1	1	0	1	1	½	½	½			1	
Asplenium bulbiferum	mauku, hen and chicken fern	0	1	½	1	0	0	1	0			0.5	B
Astelia fragrans	ground lily	0	2	0	1	0	½	1	½			1.5	F
Blechnum minus	swamp kiokio	2	1	1	1	0	1	½	1	W		0.5	
Blechnum novae-zelandiae	kiokio	2	0	1	1	1	½	1	1	W		2	I
Blechnum procerum	beech hardfern	0	1	0	1	1	0	1	1			0.5	
Carex comans	maurea	2	0	0	1	1	1	0	1			0.3	
Carex forsteri	forest sedge	0	1	0	1	1	½	½	½			1	
Carex geminata	toetoe rautahi	2	0	1	1	0	1	½	1	W		1.5	I
Carex lessoniana	rautahi	2	0	1	½	0	1	½	½	W		1	I
Carex secta	pūrei	2	1	1	½	0	1	½	1	W		2	I
Carex solandri	droop sedge	1	1	0	1	½	½	½	1			1	
Carex virgata	pukio	2	1	1	½	0	1	½	1	W		1.5	I
Cortaderia richardii	South Island toetoe	2	0	1	1	1	1	0	1			3	I
Dianella nigra	tūrutu, blueberry	0	1	0	1	1	1	½	½			0.3	F
Diplazium australe	herringbone fern	0	2	0	1	0	½	½	½			0.5	
Eleocharis acuta	spike rush	1	0	1	½	0	1	½	1	W		1	
Hypolepis ambigua	hypolepis	2	0	½	1	0	1	½	1			1	
Isolepis polifer	multiplying sedge	1	0	1	½	0	1	0	1	W		0.2	
Juncus australis	wiwi	1	0	½	1	0	1	0	1	W		1	
Juncus sarophorus	blue wiwi	2	0	½	1	0	1	0	1	W		1	
Libertia ixioides	native iris	1	1	0	1	½	½	½	½			0.3	
Libertia mooreae	native iris	0	1	0	1	½	½	½	½			0.3	
Microlaena avenacea	bush ricegrass	1	2	½	1	½	½	1	1			0.5	
Microlaena stipoides	meadow ricegrass	1	2	0	1	1	½	½	½			0.2	
Microsorium pustulatum	hounds tongue	1	1	0	1	1	½	1	½			0.2	B
Paesia scaberula	mātātā, scented fern	2	0	0	1	1	1	0	1			0.3	
Pellaea aff. falcata	large button fern	0	1	½	1	½	0	1	½			0.2	
Phormium cookianum	wharariki, coastal flax	1	0	0	1	1	1	0	1		R	1.5	N

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<i>Phormium tenax</i>	harakeke, swamp flax	2	0	1	1	½	1	0	1			2	N
<i>Pneumatopteris pennigera</i>	pākau, gully fern	0	1	0	1	0	0	1	½			1	I
<i>Poa cita</i>	silver tussock	2	0	0	½	1	1	0	1			0.5	I
<i>Polystichum vestitum</i>	prickly shield fern	1	1	½	1	0	½	1	1			1	I
<i>Scutellaria novae-zelandiae</i>	shovel mint	0	2	0	1	1	0	½	½			0.1	
<i>Typha orientalis</i>	raupō	2	0	1	½	0	1	0	1	W		3	
<i>Uncinia laxiflora</i>	tussock hookgrass	0	2	0	1	½	½	½	½			0.7	
<i>Uncinia uncinata</i>	hookgrass	1	2	½	1	½	½	1	1			0.5	