

# INLAND MOUTERE HILLS ECOSYSTEM NATIVE PLANT RESTORATION LIST

<b>Locality:</b>	Extensive area of hill country and associated valley floors between Motueka River in the west and the Bryant Range foothills in the east. Extending inland from the Moutere catchment southward to Motupiko River .
<b>Topography:</b>	Strongly rolling downlands to steep hill country
<b>Soils and Geology:</b>	Shallow loams of moderately low fertility over deep, very gravelly, clay subsoils. Gravels are moderately weathered greywackes.
<b>Climate:</b>	Moderately high sunshine hours; frosts moderate to moderately severe; mild to warm summers; rainfall 1200-1400mm. Drought-prone in summer and autumn.
<b>Coastal influence:</b>	None.
<b>Original Vegetation:</b>	Podocarp - beech forest dominated by rimu, hard and black beeches. Limited valley floor wetlands.
<b>Human Modification:</b>	Native vegetation extensively cleared and landscape now dominated by exotic species. Native forest now comprises scattered remnants. Valley floor vegetation almost entirely gone. No original forest remains.

[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><b>Early Stage</b> plants are able to establish in open sites and can act as a nursery for later stage plants by providing initial cover.</p> <p><b>Later Stage</b> plants need cover to establish.</p> <p>2 = plant commonly 1 = plant less commonly 0 = not suitable to plant at this stage</p>	<p><b>Wet, Moist, Dry, Sun, Shade, Frost</b></p> <p>1 = prefers or tolerates ½ = prefers or tolerates some 0 = intolerant of</p> <p><b>Plant in habitat type:</b></p> <p>A = alluvial terraces W = freshwater wetlands</p>	<p>F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects</p>

PLANT SPECIES FOR INLAND MOUTERE HILLS 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	Alluvial Terraces only	Freshwater Wetlands		
<b>TREES</b>													
Aristolelia serrata	makomako, wineberry	1	2	½	1	0	0	1	½			10	FBI
Carpodetus serratus	putaputāwētā, marbleleaf	2	1	1	1	0	1	½	1			10	FBI
Coprosma grandifolia	raurekau	0	2	½	1	0	½	1	0			6	FB
Coprosma linariifolia	yellow-wood	1	2	0	1	½	1	1	½	A		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	1	½	1	0	½	1	1	A		5	FB
Cordylina australis	tī kouka, cabbage tree	2	0	1	1	1	1	0	1		W	12	FNI
Coriaria arborea	tree tutu	2	0	½	1	1	1	0	½			6	F
Cyathea dealbata	ponga, silver fern	0	2	0	1	½	0	1	½			7	I
Cyathea smithii	kātote, soft treefern	0	1	½	1	0	0	1	½			7	I
Dacrycarpus dacrydioides	kāhikatea	1	2	1	1	0	½	½	1		W	60	FI

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Alluvial Terraces only	Freshwater Wetlands		
Dacrydium cupressinum	rimu	1	2	1	1	½	½	½	1			35	FI
Dicksonia fibrosa	whēkī ponga	0	2	½	1	0	½	1	1	A		6	I
Dicksonia squarrosa	whēkī	0	2	½	1	0	0	1	1			6	I
Elaeocarpus dentatus	hīnau	0	1	½	1	0	½	1	½			18	FNBI
Elaeocarpus hookerianus	pōkākā	1	1	1	1	0	½	½	1			12	FI
Fuchsia excorticata	kōtukutuku, tree fuchsia	0	2	½	1	0	½	1	½	A	W	10	FNBI
Griselinia littoralis	papauma, broadleaf	2	2	0	1	1	1	1	1			12	FBI
Hedycarya arborea	porokaiwhiri, pigeonwood	0	2	0	1	1	1	½	½			8	FBI
Hoheria angustifolia	narrow-leaved lacebark	2	1	½	1	1	1	0	1	A		10	FI
Kunzea ericoides	kānuka	2	0	0	½	1	1	0	1			15	NI
Leptospermum scoparium	mānuka	2	0	1	1	1	1	0	1			8	NI
Lophomyrtus obcordata	rōhutu	1	1	½	1	1	1	1	½	A		8	FI
Melicytus ramiflorus	māhoe, whiteywood	0	2	½	1	1	½	1	½			10	FBI
Myrsine australis	māpou	2	1	0	1	1	1	½	1			8	FI
Myrsine divaricata	weeping māpou	1	1	1	1	1	½	1	1	A		4	F
Neomyrtus pedunculata	rōhutu	1	1	1	1	0	½	1	1			6	F
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
Nothofagus truncata	hard beech	1	2	0	½	1	1	½	½			30	FNI
Olearia rani	heketara	0	1	0	1	1	½	½	½			7	I
Pennantia corymbosa	kaikōmako	2	2	1	1	1	1	1	1	A		12	FNBI
Pittosporum eugenioides	tarata, lemonwood	2	1	½	1	1	1	½	1			12	FI
Pittosporum tenuifolium	kōhūhū	2	0	0	1	1	1	½	1			9	FBI
Plagianthus regius	manatū, lowland ribbonwood	2	1	½	1	1	1	½	1	A		15	FBI
Podocarpus hallii	thin-barked tōtara	1	2	0	1	1	1	½	1			20	FBI
Podocarpus totara	tōtara	1	2	0	1	1	1	½	1	A		30	FBI
Prumnopitys ferruginea	miro	0	1	½	1	0	½	½	1			25	FI
Prumnopitys taxifolia	mataī	1	2	0	1	1	1	½	1			25	FI
Pseudopanax arboreus	orihou, five finger	1	1	0	1	½	½	½	½			8	FNBI
Pseudopanax crassifolius	horoeaka, lancewood	2	2	½	1	1	1	1	1			10	FNI
Pseudowintera colorata	horopito	1	1	1	1	0	½	1	1			6	F
Schefflera digitata	patē, seven-finger	0	2	½	1	0	½	1	½			8	FBI
Streblus heterophyllus	milkwood	0	1	0	1	1	½	½	½	A		10	FB
Weinmannia racemosa	kāmahi	1	1	½	1	½	½	½	1			10	NI
<b>SHRUBS</b>													
Carmichaelia australis var. "flagelliformis"	whip broom	2	1	½	1	1	1	½	1	A		2	NB
Coprosma foetidissima	hūpiro, stinkwood	0	2	1	1	0	½	1	1			3	FB
Coprosma microcarpa	beech coprosma	0	1	0	1	½	0	1	1			2	F
Coprosma propinqua ssp. propinqua	mikimiki	2	1	1	1	1	1	0	1	A		5	F
Coprosma rhamnoides	bucks-horn coprosma	1	1	0	½	1	1	½	1			2	F
Coprosma rigida	streamside coprosma	1	1	½	1	½	1	½	1			3	F
Coprosma tayloriae	tier coprosma	2	1	1	1	1	1	½	1			2	F
Dracophyllum filifolium	inaka	0	0	0	½	1	½	½	1			2	NI
Hebe leiophylla (= H. gracillima)	arching koromiko	1	1	½	1	½	½	½	1			2	

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Alluvial Terraces only	Freshwater Wetlands		
<i>Hebe salicifolia</i>	South Island koromiko	2	0	½	1	0	1	½	1			2	NBI
<i>Leptecophylla juniperina</i>	prickly mingimingi	1	1	0	½	1	1	½	1			3	F
<i>Leucopogon fasciculatus</i>	mingimingi	0	2	0	½	1	½	½	1			4	F
<i>Raukaua anomalus</i>	stout netting bush	1	1	½	1	½	½	1	1			2	FN
<b>CLIMBERS</b>													
<i>Clematis forsteri</i>	scrub clematis	0	1	0	1	½	1	0	1			5	I
<i>Clematis paniculata</i>	puawānanga, bush clematis	1	1	0	1	0	½	½	½			7	
<i>Metrosideros diffusa</i>	rātā vine	0	1	½	1	0	½	1	½			10	N
<i>Muehlenbeckia complexa</i>	scrambling pōhuehue	2	0	0	½	1	1	0	1			2	FBI
<i>Parsonsia heterophylla</i>	native jasmine	0	1	½	1	1	1	1	½			6	
<i>Rhipogonum scandens</i>	kareao, supplejack	0	2	1	1	0	½	1	½			15	F
<i>Rubus cissoides</i>	bush lawyer	0	1	½	1	½	½	1	½			10	F
<i>Rubus schmidelioides</i>	shrub lawyer	0	1	0	1	1	1	½	1	A		5	F
<b>GRASSES, SEDGES, FERNS &amp; GROUND COVERS</b>													
<i>Asplenium gracillimum</i>	graceful spleenwort	0	2	0	1	½	0	1	½			0.7	B
<i>Astelia fragrans</i>	ground lily	0	2	0	1	0	½	1	½			1.5	F
<i>Astelia grandis</i>	swamp lily	2	1	1	1	0	1	½	1		W	2	F
<i>Baumea rubiginosa</i>	stout pākihi sedge	1	0	1	1	0	1	0	1			1.5	I
<i>Baumea tenax</i>	slender pākihi sedge	1	0	1	1	0	1	0	1			0.8	
<i>Baumea teretifolia</i>	pākihi sedge	1	0	1	1	0	1	0	1			1	I
<i>Blechnum discolor</i>	piupiu crown fern	0	2	0	1	½	½	1	½			0.5	I
<i>Blechnum fluviatile</i>	kiwakiwa, creek fern	0	1	½	1	0	0	1	1			0.5	
<i>Blechnum minus</i>	swamp kiokio	2	2	1	1	0	1	½	1		W	0.5	
<i>Blechnum novae-zelandiae</i>	kiokio	2	2	1	1	1	½	1	1			2	I
<i>Blechnum procerum</i>	beech hardfern	0	2	0	1	1	0	1	1			0.5	
<i>Carex comans</i>	maurea	1	0	0	1	1	1	0	1			0.3	
<i>Carex coriacea</i>	rautahi	1	0	1	1	0	1	0	1	A		0.5	
<i>Carex dissita</i>	backwater sedge	0	1	1	1	0	½	½	1		W	0.5	
<i>Carex flagellifera</i>	whip sedge	1	0	½	1	½	1	0	½			0.5	
<i>Carex geminata</i>	toetoe rautahi	2	0	1	1	0	1	½	1		W	1.5	I
<i>Carex secta</i>	pūrei	2	1	1	½	0	1	½	1		W	2	I
<i>Carex testacea</i>	bootstrap sedge	1	0	0	1	1	1	½	1		W	0.6	
<i>Carex virgata</i>	pukio	2	1	1	½	0	1	½	1		W	1.5	I
<i>Cortaderia richardii</i>	South Island toetoe	2	0	1	1	1	1	0	1			3	I
<i>Dianella nigra</i>	tūrutu, blueberry	0	1	0	1	1	1	½	½			0.3	F
<i>Eleocharis acuta</i>	spike rush	1	0	1	½	0	1	½	1		W	1	
<i>Gahnia pauciflora</i>	small cutty sedge	1	1	0	1	1	1	½	½			1.5	F
<i>Gahnia setifolia</i>	cutty sedge	2	1	0	1	1	1	½	½			2	F
<i>Hypolepis ambigua</i>	hypolepis	2	0	½	1	0	1	½	1			1	
<i>Isolepis polifer</i>	multiplying sedge	1	0	1	½	0	1	0	1		W	0.2	
<i>Juncus edgariae</i>	wiwi	2	0	½	1	0	1	0	1			1	
<i>Juncus pallidus</i>	tall swamp rush	2	0	1	1	0	1	0	½			2	
<i>Juncus sarophorus</i>	blue wiwi	2	0	½	1	0	1	0	1			1	
<i>Microlaena avenacea</i>	bush ricegrass	0	2	½	1	½	½	1	1			0.5	

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Alluvial Terraces only	Freshwater Wetlands		
<i>Microlaena stipoides</i>	meadow ricegrass	0	1	0	1	1	½	½	½			0.2	
<i>Microsorium pustulatum</i>	hounds tongue fern	0	1	0	1	1	½	1	½			0.2	B
<i>Paesia scaberula</i>	mātātā, scented fern	2	0	0	1	1	1	0	1			0.3	
<i>Phormium tenax</i>	harakeke, swamp flax	2	0	1	1	½	1	0	1		W	2	N
<i>Polystichum neozelandicum</i> (=P. richardii)	lowland shield fern	0	2	0	1	½	0	1	½			0.5	
<i>Polystichum vestitum</i>	prickly shield fern	1	1	½	1	0	½	1	1			1	I
<i>Typha orientalis</i>	raupō	2	0	1	½	0	1	0	1		W	3	
<i>Uncinia uncinata</i>	hookgrass	1	2	½	1	½	½	1	1			0.5	