

INLAND MOTUEKA VALLEYS ECOSYSTEM NATIVE PLANT RESTORATION LIST

Locality:	Valley floors and plains of the middle reaches of the Motueka River up to Tapawera and Kohatu.
Topography:	Flat to gently undulating floodplains and terraces.
Soils and Geology:	Well-drained alluvial sandy loams of moderate fertility. Derived from sedimentary and igneous rocks. Soils of varying depth and stoniness. Not usually drought-prone.
Climate:	Moderately high to high sunshine hours; frosts moderate to moderately severe; warm summers; rainfall 1200-1600mm. Droughts infrequent.
Coastal influence:	None
Original Vegetation:	Tall podocarp forest of mainly mataī, kāhikatea and tōtara, with mixed beech and broadleaved species. Red-silver beech forest on gentle toeslopes and high, well-drained terraces. Frost flat shrublands on terraces with severe frost. Floodplains with various stages of kānuka forest.
Human Modification:	Almost no original vegetation and very little native vegetation remaining. Most wetlands drained. Riparian vegetation dominated by exotic species.

[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>R = river banks (riparian) W = wetlands</p>	<p>F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects</p>

PLANT SPECIES FOR INLAND MOTUEKA 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	River banks only	Wetlands		
TREES													
Alectryon excelsus	tītoki	0	2	0	1	1	0	1	0			15	FI
Aristotelia serrata	makomako, wineberry	1	2	½	1	0	0	1	½		w	10	FBI
Carpodetus serratus	putaputāwētā, marbleleaf	2	2	1	1	0	1	½	1		w	10	FBI
Coprosma areolata	thin-leaved coprosma	1	2	0	1	½	½	½	½			5	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			6	F
Coprosma lucida	shining karamū	1	1	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	2	2	½	1	0	½	1	1			5	FB
Cordyline 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	1	0	1	½	0	1	½			7	I

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	River banks only	Wetlands		
Dacrycarpus dacrydioides	kāhikatea	1	2	1	1	0	½	½	1		w	60	FI
Dacrydium cupressinum	rimu	0	1	1	1	½	½	½	1			35	FI
Dicksonia fibrosa	whēkī ponga	0	2	½	1	0	½	1	1			6	I
Dicksonia squarrosa	whēkī	0	2	½	1	0	0	1	1		w	6	I
Elaeocarpus dentatus	hīnau	0	1	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	1	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	2	0	1	1	1	½	½			8	FBI
Hoheria angustifolia	narrow-leaved lacebark	2	1	½	1	1	1	0	1			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		w	8	NI
Lophomyrtus obcordata	rōhutu	2	2	½	1	1	1	1	½			8	FI
Melicope simplex	poataniwha	2	2	0	1	1	1	1	½			5	
Melicytus lanceolatus	māhoe wao, narrow-leaved māhoe	1	1	½	1	0	½	½	1			6	F
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	2	1	1	1	1	½	1	1		w	4	F
Neomyrtus pedunculata	rōhutu	1	1	1	1	0	½	1	1		w	6	F
Nothofagus fusca	red beech	1	1	0	1	0	½	½	1			30	FNI
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	0	0	1	1	1	½	1			9	FBI
Plagianthus regius	manatū, lowland ribbonwood	2	1	½	1	1	1	½	1			15	FBI
Podocarpus totara	tōtara	2	2	0	1	1	1	½	1			30	FBI
Prumnopitys ferruginea	miro	0	1	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	1	1	0	1	½	½	½	½			8	FNBI
Pseudopanax crassifolius	horoeka, 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	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	0	1	0	1	1	½	½	½			10	FB
Weinmannia racemosa	kāmahi	1	1	½	1	½	½	½	1			10	NI
SHRUBS													
Alseuosmia pusilla	toropapa	0	1	½	1	0	0	1	½			1	FN
Carmichaelia australis var. "flagelliformis"	whip broom	2	1	½	1	1	1	½	1	R	w	2	NB
Coprosma foetidissima	hūpiro, stinkwood	0	2	1	1	0	½	1	1			3	FB
Coprosma obconica	base coprosma	1	1	½	1	1	½	½	1			2	F
Coprosma propinqua ssp. propinqua	mikimiki	2	1	1	1	1	1	0	1		w	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		w	3	F

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	River banks only	Wetlands		
<i>Coprosma rubra</i>	lacy coprosma	1	1	½	1	½	1	½	1			4	FB
<i>Coprosma tayloriae</i>	tier coprosma	1	1	1	1	1	1	½	1		w	2	F
<i>Hebe leiophylla</i> (= <i>H. gracillima</i>)	arching koromiko	2	1	½	1	½	½	½	1	R		2	
<i>Hebe salicifolia</i>	South Island koromiko	2	0	½	1	0	1	½	1		w	2	NBI
<i>Hebe stenophylla</i> var. <i>stenophylla</i>	narrow-leaved hebe	2	0	0	½	1	1	½	1	R		2	NI
<i>Leptecophylla juniperina</i>	prickly mingimingi	1	1	0	½	1	1	½	1			3	F
<i>Leucopogon fasciculatus</i>	mingimingi	0	1	0	½	1	½	½	1			4	F
<i>Raukaua anomalus</i>	stout netting bush	1	2	½	1	½	½	1	1			2	FN
<i>Urtica ferox</i>	ongaonga, tree nettle	1	1	½	1	1	½	½	½			2	
CLIMBERS													
<i>Brachyglottis sciadophila</i>	climbing groundsel	0	1	0	1	½	½	½	½			2	
<i>Clematis foetida</i>	dainty clematis	0	1	0	1	1	½	½	½			5	
<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	2	½	1	0	½	1	½			10	N
<i>Metrosideros perforata</i>	lowland rātā vine	0	1	0	1	½	½	1	½			15	N
<i>Muehlenbeckia complexa</i>	scrambling pōhuehue	1	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 australis</i>	swamp lawyer	0	1	1	1	0	1	½	1			5	F
<i>Rubus schmidelioides</i>	shrub lawyer	0	1	0	1	1	1	½	1			5	F
GRASSES, SEDGES, FERNS & GROUND COVERS													
<i>Asplenium bulbiferum</i>	mauku, hen and chicken fern	0	2	½	1	0	0	1	½			0.5	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>Blechnum discolor</i>	piupiu crown fern	0	1	0	1	½	½	1	½			0.5	I
<i>Blechnum fluviatile</i>	kiwakiwa, creek fern	0	2	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		w	2	I
<i>Carex comans</i>	maurea	1	0	0	1	1	1	0	1			0.3	
<i>Carex dissita</i>	backwater sedge	0	1	1	1	0	½	½	1		w	0.5	
<i>Carex flagellifera</i>	whip sedge	2	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 solandri</i>	droop sedge	0	2	0	1	½	½	½	1			1	
<i>Carex testacea</i>	bootstrap sedge	1	0	0	1	1	1	½	1			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		w	3	I
<i>Eleocharis acuta</i>	spike rush	1	0	1	½	0	1	½	1		w	1	
<i>Hypolepis ambigua</i>	hypolepis	1	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		w	1	
<i>Juncus pallidus</i>	tall swamp rush	2	0	1	1	0	1	0	½		w	2	
<i>Juncus sarophorus</i>	blue wiwi	2	0	½	1	0	1	0	1		w	1	

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<i>Libertia mooreae</i>	native iris	0	1	0	1	½	½	½	½			0.3	
<i>Microlaena avenacea</i>	bush ricegrass	1	2	½	1	½	½	1	1			0.5	
<i>Microsorium pustulatum</i>	hounds tongue fern	1	1	0	1	1	½	1	½			0.2	B
<i>Phormium cookianum</i>	wharariki, coastal flax	2	0	0	1	1	1	0	1	R		1.5	N
<i>Phormium tenax</i>	harakeke, swamp flax	2	0	1	1	½	1	0	1		w	2	N
<i>Pneumatopteris pennigera</i>	pākau, gully fern	0	2	0	1	0	0	1	½			1	I
<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 laxiflora</i>	tussock hookgrass	0	2	0	1	½	½	½	½			0.7	