

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	raureka	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	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	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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Coprosma rubra	lacy coprosma	1	1	½	1	½	1	½	1			4	FB
Coprosma tayloriae	tier coprosma	1	1	1	1	1	1	½	1		w	2	F
Hebe leiophylla (= H. gracillima)	arching koromiko	2	1	½	1	½	½	½	1	R		2	
Hebe salicifolia	South Island koromiko	2	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	1	0	½	1	½	½	1			4	F
Raukaua anomalus	stout netting bush	1	2	½	1	½	½	1	1			2	FN
Urtica ferox	ongaonga, tree nettle	1	1	½	1	1	½	½	½			2	
CLIMBERS													
Brachyglottis sciadophila	climbing groundsel	0	1	0	1	½	½	½	½			2	
Clematis foetida	dainty clematis	0	1	0	1	1	½	½	½			5	
Clematis forsteri	scrub clematis	0	1	0	1	½	1	0	1			5	I
Clematis paniculata	puawānanga, bush clematis	1	1	0	1	0	½	½	½			7	
Metrosideros diffusa	rātā vine	0	2	½	1	0	½	1	½			10	N
Metrosideros perforata	lowland rātā vine	0	1	0	1	½	½	1	½			15	N
Muehlenbeckia complexa	scrambling pōhuehue	1	0	0	½	1	1	0	1			2	FBI
Parsonsia heterophylla	native jasmine	0	1	½	1	1	1	1	½			6	
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	1	0	1	1	1	½	1			5	F
GRASSES, SEDGES, FERNS & GROUND COVERS													
Asplenium bulbiferum	mauku, hen and chicken fern	0	2	½	1	0	0	1	½			0.5	B
Astelia fragrans	ground lily	0	2	0	1	0	½	1	½			1.5	F
Astelia grandis	swamp lily	2	1	1	1	0	1	½	1		w	2	F
Blechnum discolor	piupiu crown fern	0	1	0	1	½	½	1	½			0.5	I
Blechnum fluviatile	kiwakiwa, creek fern	0	2	½	1	0	0	1	1			0.5	
Blechnum minus	swamp kiokio	2	2	1	1	0	1	½	1		w	0.5	
Blechnum novae-zelandiae	kiokio	2	2	1	1	1	½	1	1		w	2	I
Carex comans	maurea	1	0	0	1	1	1	0	1			0.3	
Carex dissita	backwater sedge	0	1	1	1	0	½	½	1		w	0.5	
Carex flagellifera	whip sedge	2	0	½	1	½	1	0	½			0.5	
Carex geminata	toetoe rautahi	2	0	1	1	0	1	½	1		w	1.5	I
Carex secta	pūrei	2	1	1	½	0	1	½	1		w	2	I
Carex solandri	droop sedge	0	2	0	1	½	½	½	1			1	
Carex testacea	bootstrap sedge	1	0	0	1	1	1	½	1			0.6	
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		w	3	I
Eleocharis acuta	spike rush	1	0	1	½	0	1	½	1		w	1	
Hypolepis ambigua	hypolepis	1	0	½	1	0	1	½	1			1	
Isolepis polifer	multiplying sedge	1	0	1	½	0	1	0	1		w	0.2	
Juncus edgariae	wiwi	2	0	½	1	0	1	0	1		w	1	
Juncus pallidus	tall swamp rush	2	0	1	1	0	1	0	½		w	2	
Juncus sarophorus	blue wiwi	2	0	½	1	0	1	0	1		w	1	

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Microlaena avenacea	bush ricegrass	1	2	½	1	½	½	1	1			0.5	
Microsorium pustulatum	hounds tongue fern	1	1	0	1	1	½	1	½			0.2	B
Phormium cookianum	wharariki, coastal flax	2	0	0	1	1	1	0	1	R		1.5	N
Phormium tenax	harakeke, swamp flax	2	0	1	1	½	1	0	1		w	2	N
Pneumatopteris pennigera	pākau, gully fern	0	2	0	1	0	0	1	½			1	I
Polystichum neozelandicum (=P. richardii)	lowland shield fern	0	2	0	1	½	0	1	½			0.5	
Polystichum vestitum	prickly shield fern	1	1	½	1	0	½	1	1			1	I
Typha orientalis	raupō	2	0	1	½	0	1	0	1		w	3	
Uncinia laxiflora	tussock hookgrass	0	2	0	1	½	½	½	½			0.7	