

## MOUTERE DOWNLANDS – VALLEYS ECOSYSTEM NATIVE PLANT RESTORATION LIST

<b>Locality:</b>	Valleys of the Moutere catchment, between Ruby Bay and Tasman, and parts of Waiwhero and Dove catchments.
<b>Topography:</b>	Flat to gently undulating flood-plains and low terraces
<b>Soils and Geology:</b>	Alluvial clayey loams with impeded drainage and low fertility. Heavy, leached subsoil with iron pans. Derived from strongly weathered sedimentary gravels. Not drought-prone except where intensively drained.
<b>Climate:</b>	High sunshine hours; mild annual temperatures; frosts moderate to heavy; rainfall 900-1000mm.
<b>Coastal influence:</b>	At Kina only.
<b>Original Vegetation:</b>	Extensively covered in a range of vegetated wetlands, especially swamp forest.
<b>Human Modification</b>	A few small forest patches and narrow valley wetlands remaining. Hydrology has been profoundly altered by drainage.

[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>C = coastal W = freshwater wetlands</p>	<p>F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects</p>

PLANT SPECIES FOR MOUTERE DOWNLANDS – 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	Freshwater Wetlands	Coast Only		
<b>TREES</b>													
Aristotelia 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 areolata	thin-leaved coprosma	1	1	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 rotundifolia	hairy coprosma	1	2	½	1	0	½	1	1			5	FB
Cordyline australis	tī kouka, cabbage tree	2	1	1	1	1	1	0	1	W		12	FNI
Cordyline banksii	tī ngahere	1	0	1	1	1	1	½	½			4	FN
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
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	1	½	1	0	0	1	1			6	I
Elaeocarpus dentatus	hīnau	0	1	½	1	0	½	1	½			18	FNBI

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Freshwater Wetlands	Coast Only		
Elaeocarpus hookerianus	pōkākā	2	2	1	1	0	½	½	1			12	FI
Fuchsia excorticata	kōtukutuku, tree fuchsia	1	2	½	1	0	½	1	½			10	FNBI
Griselinia littoralis	papauma, broadleaf	1	1	0	1	1	1	1	1			12	FBI
Hedycarya arborea	porokaiwhiri, pigeonwood	0	2	0	1	1	1	½	½			8	FBI
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	1	1	½	1	1	1	1	½			8	FI
Macropiper excelsum	kawakawa, pepperwood	0	2	½	1	1	1	1	0		C	6	FI
Melicope simplex	poataniwha	1	2	0	1	1	1	1	½			5	
Melicytus lanceolatus	māhoe wao, narrow-leaved māhoe	0	1	½	1	0	½	½	1			6	F
Melicytus ramiflorus	māhoe, whiteywood	0	2	½	1	1	½	1	½			10	FBI
Myoporum laetum	ngaio	2	0	0	1	1	1	0	0		C	10	FN
Myrsine australis	māpou	1	2	0	1	1	1	½	1			8	FI
Myrsine divaricata	weeping māpou	2	1	1	1	1	½	1	1			4	F
Myrsine salicina	toro	0	2	½	1	0	½	1	1			8	F
Neomyrtus pedunculata	rōhutu	2	1	1	1	0	½	1	1	W		6	F
Nestegis lanceolata	white maire	0	1	½	1	½	0	1	½			15	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	FNBI
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
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	horoeaka, lancewood	2	2	½	1	1	1	1	1			10	FNBI
Pseudowintera colorata	horopito	1	2	1	1	0	½	1	1			6	F
Rhopalostylis sapida	nīkau	0	1	½	1	0	0	1	0		C	10	FNBI
Schefflera digitata	patē, seven-finger	0	1	½	1	0	½	1	½			8	FBI
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
<b>SHRUBS</b>													
Coprosma tayloriae	tier coprosma	2	1	1	1	1	1	½	1			2	F
Coprosma foetidissima	hūpiro, stinkwood	1	2	1	1	0	½	1	1			3	FB
Coprosma microcarpa	beech coprosma	0	2	0	1	½	0	1	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 robusta	karamū	2	1	½	1	1	1	½	½			6	F
Coprosma tenuicaulis	swamp coprosma	2	1	1	1	0	1	½	1	W		3	F
Hebe stricta var. atkinsonii	koromiko	2	0	½	1	½	1	½	½		C	2	NBI
Leptocophylla 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
Melicytus micranthus	manakura, swamp māhoe	0	2	1	1	0	½	1	½			2	F
Raukahu anomalus	stout netting bush	1	2	½	1	½	½	1	1			2	FN

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<b>CLIMBERS</b>													
Rhipogonum scandens	kareao, supplejack	1	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
<b>GRASSES, SEDGES, RUSHES &amp; GROUND COVERS</b>													
Asplenium bulbiferum	mauku, hen and chicken fern	0	2	½	1	0	0	1	0			0.5	B
Asplenium oblongifolium	shining spleenwort	0	1	0	1	1	½	1	0			0.5	
Blechnum discolor	piupiu crown fern	0	2	0	1	½	½	1	½			0.5	I
Blechnum minus	swamp kiokio	2	2	1	1	0	1	½	1	W		0.5	
Blechnum novae-zelandiae	kiokio	1	2	1	1	1	½	1	1	W		2	I
Blechnum penna-marina	little hardfern	1	1	1	1	½	½	½	1			0.2	
Blechnum procerum	beech hardfern	0	2	0	1	1	0	1	1			0.5	
Hypolepis ambigua	hypolepis	1	0	½	1	0	1	½	1			1	
Paesia scaberula	mātātā, scented fern	2	0	0	1	1	1	0	1			0.3	
Pneumatopteris pennigera	pākau, gully fern	0	2	0	1	0	0	1	½			1	I
Polystichum vestitum	prickly shield fern	1	1	½	1	0	½	1	1			1	I
Microlaena avenacea	bush ricegrass	1	2	½	1	½	½	1	1			0.5	
Cortaderia richardii	South Island toetoe	2	0	1	1	1	1	0	1	W		3	I
Astelia fragrans	ground lily	0	2	0	1	0	½	1	½			1.5	F
Astelia grandis	swamp lily	2	2	1	1	0	1	½	1	W		2	F
Baumea rubiginosa	stout pākihi sedge	2	0	1	1	0	1	0	1	W		1.5	I
Baumea tenax	slender pākihi sedge	2	0	1	1	0	1	0	1	W		0.8	
Carex cockayneana	bush sedge	1	1	½	1	0	1	0	1			1	
Carex comans	maurea	2	0	0	1	1	1	0	1			0.3	
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 maorica	Māori sedge	1	0	1	½	0	1	0	1	W		1	
Carex secta	pūrei	2	1	1	½	0	1	½	1	W		2	I
Carex virgata	pukio	2	1	1	½	0	1	½	1	W		1.5	I
Dianella nigra	tūrutu, blueberry	0	1	0	1	1	1	½	½			0.3	F
Eleocharis acuta	spike rush	1	0	1	½	0	1	½	1	W		1	
Gahnia xanthocarpa	giant cutty sedge	2	1	1	1	0	1	1	1	W		2	F
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			1	
Juncus edgariae	wiwi	1	0	½	1	0	1	0	1			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			1	
Libertia mooreae	native iris	0	1	0	1	½	½	½	½			0.3	
Phormium tenax	harakeke, swamp flax	2	0	1	1	½	1	0	1	W		2	N
Typha orientalis	raupō	2	0	1	½	0	1	0	1	W		3	
Uncinia banksii	tufted hookgrass	0	1	0	½	1	½	½	½			0.3	
Uncinia uncinata	hookgrass	1	2	½	1	½	½	1	1			0.5	