

LOWER MOUTERE STONY PLAINS ECOSYSTEM NATIVE PLANT RESTORATION LIST

Locality:	Plains south of Motueka township and north of the Moutere Valley. Bounded by the Moutere Inlet and Moutere River mouth, and the Motueka foothills.
Topography:	Terraces, flat to gently north-sloping to the Motueka flood-plain.
Soils and Geology:	Excessively drained, stony, alluvial sandy loam of low to medium fertility. Derived from sedimentary and igneous rock. Stoniness is variable and increases with depth. Prone to drought.
Climate:	Very high sunshine hours; frosts moderate; mild annual temperatures; rainfall 1000mm.
Coastal influence:	Narrow semi-coastal strip along the Moutere Inlet north of the Moutere River mouth.
Original Vegetation:	Beech-podocarp - mixed broadleaf forest.
Human Modification:	One small treeland of native vegetation remaining.

[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>F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects</p>

PLANT SPECIES FOR LOWER MOUTERE STONY PLAINS 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		
TREES											
<i>Alectryon excelsus</i>	tītoki	0	2	0	1	1	0	1	0	15	FI
<i>Aristotelia serrata</i>	makomako, wineberry	1	2	½	1	0	0	1	½	10	FBI
<i>Carpodetus serratus</i>	putaputāwētā, marbleleaf	2	1	1	1	0	1	½	1	10	FBI
<i>Coprosma areolata</i>	thin-leaved coprosma	1	2	0	1	½	½	½	½	5	FBI
<i>Coprosma crassifolia</i>	thick-leaved coprosma	2	0	0	½	1	1	½	1	5	FB
<i>Coprosma grandifolia</i>	raurekau	0	2	½	1	0	½	1	½	6	FB
<i>Coprosma linariifolia</i>	yellow-wood	1	2	0	1	½	1	1	½	6	F
<i>Cordyline australis</i>	tī kouka, cabbage tree	2	0	1	1	1	1	0	1	12	FNI
<i>Coriaria arborea</i>	tree tutu	2	0	½	1	1	1	0	½	6	F
<i>Dacrydium cupressinum</i>	rimu	0	1	1	1	½	½	½	1	35	FI
<i>Discaria toumatou</i>	tūmatakuru, matagouri	2	0	0	½	1	1	0	1	4	I
<i>Dodonaea viscosa</i>	akeake	2	0	0	1	1	1	0	½	7	I
<i>Elaeocarpus dentatus</i>	hīnau	0	2	½	1	0	½	1	½	18	FNBI
<i>Griselinia littoralis</i>	papauma, broadleaf	1	1	0	1	1	1	1	1	12	FBI
<i>Griselinia lucida</i>	puka	1	1	0	1	1	1	½	0	8	FBI
<i>Hedycarya arborea</i>	porokaiwhiri, pigeonwood	0	2	0	1	1	1	½	½	8	FBI

PLANT SPECIES FOR LOWER MOUTERE STONY PLAINS 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		
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	1	½	1	1	1	1	½	8	FI
Macropiper excelsum	kawakawa, pepperwood	0	1	½	1	1	1	1	0	6	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
Myoporum laetum	ngaio	2	0	0	1	1	1	0	0	10	FN
Myrsine australis	māpou	2	2	0	1	1	1	½	1	8	FI
Nothofagus menziesii	silver beech	1	1	1	1	1	½	½	1	30	F
Nothofagus solandri var. solandri	black beech	1	2	0	1	1	1	½	1	25	FNI
Olearia paniculata	akiraho	2	0	0	½	1	1	0	½	6	I
Olearia rani	heketara	0	1	0	1	1	½	½	½	7	I
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 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
Sophora microphylla	kōwhai	2	1	0	½	1	1	½	1	10	NBI
Prumnopitys ferruginea	miro	0	1	½	1	0	½	½	1	25	FI
Streblus heterophyllus	milkwood	1	1	0	1	1	½	½	½	10	FB
SHRUBS											
Carmichaelia australis var. "flagelliformis"	whip broom	2	1	½	1	1	1	½	1	2	NB
Coprosma lucida	shining karamū	1	2	0	1	1	1	½	½	6	F
Coprosma propinqua	mikimiki	2	1	1	1	1	1	0	1	5	F
Coprosma rhamnoides	bucks-horn coprosma	1	2	0	½	1	1	½	1	2	F
Coprosma rigida	streamside coprosma	1	1	½	1	½	1	½	1	3	F
Coprosma robusta	karamū	2	1	½	1	1	1	½	½	6	F
Coprosma tayloriae	tier coprosma	2	1	1	1	1	1	½	1	2	F
Hebe stricta var. atkinsonii	koromiko	2	0	½	1	½	1	½	½	2	NBI
Helichrysum lanceolatum	niniao	1	2	0	½	1	1	½	½	1	I
Leptecophylla juniperina	prickly mingimingi	1	2	0	½	1	1	½	1	3	F
Leucopogon fasciculatus	mingimingi	0	2	0	½	1	½	½	1	4	F
Leucopogon fraseri	pātōtara	2	0	0	1	1	1	0	1	0.2	F
Melicytus "Waipapa"	lowland porcupine shrub	2	0	0	½	1	1	½	1	½	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	
Raukaua anomalus	stout netting bush	1	2	½	1	½	½	1	1	2	FN
CLIMBERS											
Clematis paniculata	puawānanga, bush clematis	1	1	0	1	0	½	½	½	7	
Metrosideros perforata	lowland rātā vine	0	2	0	1	½	½	1	½	15	N
Muehlenbeckia complexa	scrambling pōhuehue	2	0	0	½	1	1	0	1	2	FBI
Parsonsia capsularis	native jasmine	1	1	0	1	1	½	½	1	5	I
Rubus cissoides	bush lawyer	0	2	½	1	½	½	1	½	10	F

PLANT SPECIES FOR LOWER MOUTERE STONY PLAINS 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		
GRASSES, SEDGES, RUSHES & GROUND COVERS											
<i>Acaena anserinifolia</i>	piripiri, bidibid	1	1	½	1	1	1	½	1	0.2	
<i>Anemanthele lessoniana</i>	gossamer grass	2	1	0	1	1	½	½	½	1	
<i>Asplenium appendiculatum</i> ssp. <i>appendiculatum</i>	terrestrial spleenwort	0	2	0	1	½	0	1	½	0.3	
<i>Asplenium gracillimum</i>	graceful spleenwort	0	2	0	1	½	0	1	½	0.7	B
<i>Asplenium oblongifolium</i>	shining spleenwort	0	1	0	1	1	½	1	0	0.5	
<i>Astelia fragrans</i>	ground lily	0	2	0	1	0	½	1	½	1.5	F
<i>Blechnum discolor</i>	piupiu crown fern	0	2	0	1	½	½	1	½	0.5	I
<i>Blechnum procerum</i>	beech hardfern	0	2	0	1	1	0	1	1	0.5	
<i>Carex comans</i>	maurea	2	0	0	1	1	1	0	1	0.3	
<i>Carex flagellifera</i>	whip sedge	2	0	½	1	½	1	0	½	0.5	
<i>Carex forsteri</i>	forest sedge	1	0	0	1	1	½	½	½	1	
<i>Carex solandri</i>	droop sedge	1	1	0	1	½	½	½	1	1	
<i>Cortaderia richardii</i>	South Island toetoe	2	0	1	1	1	1	0	1	3	I
<i>Cyathea dealbata</i>	ponga, silver fern	0	2	0	1	½	0	1	½	7	I
<i>Dianella nigra</i>	tūrutu, blueberry	0	1	0	1	1	1	½	½	0.3	F
<i>Elymus solandri</i>	blue wheatgrass	2	1	0	½	1	1	0	½	0.3	
<i>Gahnia pauciflora</i>	small cutty sedge	1	1	0	1	1	1	½	½	1.5	F
<i>Gahnia setifolia</i>	cutty sedge	1	1	0	1	1	1	½	½	2	F
<i>Hypolepis ambigua</i>	hypolepis	1	0	½	1	0	1	½	1	1	
<i>Juncus australis</i>	wiwi	1	0	½	1	0	1	0	1	1	
<i>Juncus edgariae</i>	wiwi	1	0	½	1	0	1	0	1	1	
<i>Juncus pauciflorus</i>	slender rush	1	0	½	1	0	1	0	1	0.7	
<i>Libertia ixioides</i>	native iris	2	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>Microlaena polynoda</i>	bamboo grass	0	1	0	1	1	½	½	½	2	
<i>Microlaena stipoides</i>	meadow ricegrass	1	2	0	1	1	½	½	½	0.2	
<i>Microsorium pustulatum</i>	hounds tongue fern	1	2	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 cookianum</i>	wharariki, coastal flax	2	0	0	1	1	1	0	1	1.5	N
<i>Poa cita</i>	silver tussock	2	0	0	½	1	1	0	1	0.5	I
<i>Scutellaria noave-zelandiae</i>	shovel mint	0	2	0	1	1	0	½	½	0.1	
<i>Uncinia banksii</i>	tufted hookgrass	0	1	0	½	1	½	½	½	0.3	
<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	