

RICHMOND-HOPE STONY PLAINS ECOSYSTEM NATIVE PLANT RESTORATION LIST

Locality:	Extensive plains stretching south from Richmond to the Wairoa River, and bounded to the west by the Waimea flood-plain and to the east by the Barnicoat Range foothills.
Topography:	High terraces and gentle fans 6 metres above the Waimea flood-plain and gently sloping towards the sea.
Soils and Geology:	Excessively drained alluvial stony clay or silt loams with moderate fertility. Derived from sedimentary and ultramafic rocks. Around ½ a metre deep and overlying deep gravels. Stoniness increases on the fans east of Richmond. Drought-prone.
Climate:	High sunshine hours; frosts slight to moderate; mild annual temperatures; rainfall 890-1000mm.
Coastal influence:	Negligible.
Original Vegetation:	Beech-podocarp - mixed broadleaf forest.
Human Modification:	No areas 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 RICHMOND-HOPE 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											
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	10	FBI
Carpodetus serratus	putaputāwētā, marbleleaf	1	2	1	1	0	1	½	1	10	FBI
Coprosma areolata	thin-leaved coprosma	0	2	0	1	½	½	½	½	5	FBI
Coprosma crassifolia	thick-leaved coprosma	2	0	0	½	1	1	½	1	5	FB
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	2	0	1	1	1	½	½	6	F
Coprosma robusta	karamū	2	1	½	1	1	1	½	½	6	F
Coprosma virescens	dappled coprosma	2	1	0	1	1	1	½	½	5	FB
Cordyline australis	tī kouka, cabbage tree	2	0	1	1	1	1	0	1	12	FNI
Coriaria arborea	tree tutu	2	0	½	1	1	1	0	½	6	F
Discaria toumatou	tūmatakuru, matagouri	2	0	0	½	1	1	0	1	4	I
Dodonaea viscosa	akeake	2	0	0	1	1	1	0	½	7	I

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost		
Elaeocarpus dentatus	hīnau	0	1	½	1	0	½	1	½	18	FNBI
Griselinia littoralis	papauma, broadleaf	1	1	0	1	1	1	1	1	12	FBI
Griselinia lucida	puka	1	2	0	1	1	1	½	0	8	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	1	0	1	1	1	1	0	1	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	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	1	0	1	1	1	½	1	8	FI
Nestegis montana	narrow-leaved maire	0	1	½	1	½	0	1	½	10	FI
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
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
Plagianthus regius	manatū, lowland ribbonwood	2	2	½	1	1	1	0	1	15	FBI
Podocarpus totara	tōtara	2	2	0	1	1	1	½	1	30	FBI
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
Pseudopanax ferrox	fierce lancewood	2	1	0	½	1	1	½	½	8	FNI
Sophora microphylla	kōwhai	2	2	0	½	1	1	½	1	10	NBI
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 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 tayloriae	tier coprosma	1	1	1	1	1	1	½	1	2	F
Hebe stenophylla var. stenophylla	narrow-leaved hebe	2	0	0	½	1	1	½	1	2	NI
Hebe stricta var. atkinsonii	koromiko	2	0	½	1	½	1	½	½	2	NBI
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
Melicytus "Waipapa"	lowland porcupine shrub	1	0	0	½	1	1	½	1	0.5	F
Ozothamnus leptophyllus	tauhinu, cottonwood	2	0	0	½	1	1	0	1	2	I
CLIMBERS											
Clematis foetida	dainty clematis	0	1	0	1	1	½	½	½	5	
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
Rhipogonum scandens	kareao, supplejack	0	2	1	1	0	½	1	½	15	F
Rubus schmidelioides	shrub lawyer	0	1	0	1	1	1	½	1	5	F
Rubus squarrosus	leafless lawyer	2	1	0	1	1	1	½	½	5	F

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost		
GRASSES, SEDGES & GROUND COVERS											
Acaena anserinifolia	piripiri, bidibid	1	1	½	1	1	1	½	1	0.2	
Anemanthe lessoniana	gossamer grass	2	1	0	1	1	½	½	½	1	
Asplenium appendiculatum ssp. appendiculatum	terrestrial spleenwort	0	2	0	1	½	0	1	½	0.3	
Asplenium gracillimum	graceful spleenwort	0	1	0	1	½	0	1	½	0.7	B
Asplenium oblongifolium	shining spleenwort	0	1	0	1	1	½	1	0	0.5	
Astelia fragrans	ground lily	0	2	0	1	0	½	1	½	1.5	F
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	
Carex comans	maurea	2	0	0	1	1	1	0	1	0.3	
Carex flagellifera	bootlace sedge	2	0	½	1	½	1	0	½	0.5	
Carex forsteri	forest sedge	1	0	0	1	1	½	½	½	0.5	
Carex lambertiana	coastal forest sedge	1	2	½	1	½	½	½	½	1	
Cortaderia richardii	South Island toetoe	2	0	1	1	1	1	0	1	3	I
Cyathea dealbata	ponga, silver fern	0	2	0	1	½	0	1	½	7	I
Dianella nigra	tūrutu, blueberry	0	2	0	1	1	1	½	½	0.3	F
Hypolepis ambigua	hypolepis	1	0	½	1	0	1	½	1	1	
Leucopogon fraseri	pātōtara	2	0	0	1	1	1	0	1	0.2	F
Libertia ixioides	native iris	1	2	0	1	½	½	½	½	0.3	
Microlaena polynoda	bamboo grass	0	2	0	1	1	½	½	½	2	
Microlaena stipoides	meadow ricegrass	0		2	1	1	.5	.5	½	.2	
Microsorium pustulatum	hounds tongue	1	2	0	1	1	½	1	½	0.2	B
Paesia scaberula	mātātā, scented fern	2	0	0	1	1	1	0	1	0.3	
Phormium cookianum	wharariki, coastal flax	2	0	0	1	1	1	0	1	1.5	N
Poa cita	silver tussock	2	0	0	½	1	1	0	1	0.5	I
Scutellaria novae-zelandiae	shovel mint	0	2	0	1	1	0	½	½	0.1	
Uncinia banksii	tufted hookgrass	0	2	0	½	1	½	½	½	0.3	
Uncinia laxiflora	tussock hookgrass	1	2	0	1	½	½	½	½	0.7	
Uncinia uncinata	hookgrass	1	2	½	1	½	½	1	1	0.5	