

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											
<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	1	2	1	1	0	1	½	1	10	FBI
<i>Coprosma areolata</i>	thin-leaved coprosma	0	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	0	6	FB
<i>Coprosma linariifolia</i>	yellow-wood	1	2	0	1	½	1	1	½	6	F
<i>Coprosma lucida</i>	shining karamū	1	2	0	1	1	1	½	½	6	F
<i>Coprosma robusta</i>	karamū	2	1	½	1	1	1	½	½	6	F
<i>Coprosma virescens</i>	dappled coprosma	2	1	0	1	1	1	½	½	5	FB
<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>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

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost		
<i>Elaeocarpus dentatus</i>	hīnau	0	1	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	2	0	1	1	1	½	0	8	FBI
<i>Hedycarya arborea</i>	porokaiwhiri, pigeonwood	0	2	0	1	1	1	½	½	8	FBI
<i>Kunzea ericoides</i>	kānuka	2	0	0	½	1	1	0	1	15	NI
<i>Leptospermum scoparium</i>	mānuka	1	0	1	1	1	1	0	1	8	NI
<i>Lophomyrtus obcordata</i>	rōhutu	1	1	½	1	1	1	1	½	8	FI
<i>Macropiper excelsum</i>	kawakawa, pepperwood	0	2	½	1	1	1	1	0	6	FI
<i>Melicope simplex</i>	poataniwha	1	2	0	1	1	1	1	½	5	
<i>Melicytus ramiflorus</i>	māhoe, whiteywood	0	2	½	1	1	½	1	½	10	FBI
<i>Myoporum laetum</i>	ngaio	2	0	0	1	1	1	0	0	10	FN
<i>Myrsine australis</i>	māpou	2	1	0	1	1	1	½	1	8	FI
<i>Nestegis montana</i>	narrow-leaved maire	0	1	½	1	½	0	1	½	10	FI
<i>Nothofagus solandri</i> var. <i>solandri</i>	black beech	1	2	0	1	1	1	½	1	25	FNI
<i>Olearia paniculata</i>	akiraho	2	0	0	½	1	1	0	½	6	I
<i>Pennantia corymbosa</i>	kaikōmako	2	2	1	1	1	1	1	1	12	FNBI
<i>Pittosporum eugenioides</i>	tarata, lemonwood	2	1	½	1	1	1	½	1	12	FI
<i>Pittosporum tenuifolium</i>	kōhūhū	2	1	0	1	1	1	½	1	9	FBI
<i>Plagianthus regius</i>	manatū, lowland ribbonwood	2	2	½	1	1	1	0	1	15	FBI
<i>Podocarpus totara</i>	tōtara	2	2	0	1	1	1	½	1	30	FBI
<i>Prumnopitys taxifolia</i>	mataī	2	2	0	1	1	1	½	1	25	FI
<i>Pseudopanax arboreus</i>	orihou, five finger	1	1	0	1	½	½	½	½	8	FNBI
<i>Pseudopanax crassifolius</i>	horoeaka, lancewood	2	2	½	1	1	1	1	1	10	FNI
<i>Pseudopanax ferrox</i>	fierce lancewood	2	1	0	½	1	1	½	½	8	FNI
<i>Sophora microphylla</i>	kōwhai	2	2	0	½	1	1	½	1	10	NBI
<i>Streblus heterophyllus</i>	milkwood	1	1	0	1	1	½	½	½	10	FB
SHRUBS											
<i>Carmichaelia australis</i> var. "flagelliformis"	whip broom	2	1	½	1	1	1	½	1	2	NB
<i>Coprosma propinqua</i>	mikimiki	2	1	1	1	1	1	0	1	5	F
<i>Coprosma rhamnoides</i>	bucks-horn coprosma	1	2	0	½	1	1	½	1	2	F
<i>Coprosma tayloriae</i>	tier coprosma	1	1	1	1	1	1	½	1	2	F
<i>Hebe stenophylla</i> var. <i>stenophylla</i>	narrow-leaved hebe	2	0	0	½	1	1	½	1	2	NI
<i>Hebe stricta</i> var. <i>atkinsonii</i>	koromiko	2	0	½	1	½	1	½	½	2	NBI
<i>Leptecophylla juniperina</i>	prickly mingimingi	1	2	0	½	1	1	½	1	3	F
<i>Leucopogon fasciculatus</i>	mingimingi	0	2	0	½	1	½	½	1	4	F
<i>Melicytus</i> "Waipapa"	lowland porcupine shrub	1	0	0	½	1	1	½	1	0.5	F
<i>Ozothamnus leptophyllus</i>	tauhinu, cottonwood	2	0	0	½	1	1	0	1	2	I
CLIMBERS											
<i>Clematis foetida</i>	dainty clematis	0	1	0	1	1	½	½	½	5	
<i>Clematis paniculata</i>	puawānanga, bush clematis	1	1	0	1	0	½	½	½	7	
<i>Metrosideros perforata</i>	lowland rātā vine	0	2	0	1	½	½	1	½	15	N
<i>Muehlenbeckia complexa</i>	scrambling pōhuehue	2	0	0	½	1	1	0	1	2	FBI
<i>Rhipogonum scandens</i>	kareao, supplejack	0	2	1	1	0	½	1	½	15	F
<i>Rubus schmidelioides</i>	shrub lawyer	0	1	0	1	1	1	½	1	5	F
<i>Rubus squarrosus</i>	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											
<i>Acaena anserinifolia</i>	piripiri, bidibid	1	1	½	1	1	1	½	1	0.2	
<i>Anemanthe 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	1	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 penna-marina</i>	little hardfern	1	1	1	1	½	½	½	1	0.2	
<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>	bootlace 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	0.5	
<i>Carex lambertiana</i>	coastal forest sedge	1	2	½	1	½	½	½	½	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	2	0	1	1	1	½	½	0.3	F
<i>Hypolepis ambigua</i>	hypolepis	1	0	½	1	0	1	½	1	1	
<i>Leucopogon fraseri</i>	pātōtara	2	0	0	1	1	1	0	1	0.2	F
<i>Libertia ixioides</i>	native iris	1	2	0	1	½	½	½	½	0.3	
<i>Microlaena polynoda</i>	bamboo grass	0	2	0	1	1	½	½	½	2	
<i>Microlaena stipoides</i>	meadow ricegrass	0		2	1	1	.5	.5	½	.2	
<i>Microsorium pustulatum</i>	hounds tongue	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 novae-zelandiae</i>	shovel mint	0	2	0	1	1	0	½	½	0.1	
<i>Uncinia banksii</i>	tufted hookgrass	0	2	0	½	1	½	½	½	0.3	
<i>Uncinia laxiflora</i>	tussock hookgrass	1	2	0	1	½	½	½	½	0.7	
<i>Uncinia uncinata</i>	hookgrass	1	2	½	1	½	½	1	1	0.5	