

WEST TAKAKA HILL-COUNTRY ECOSYSTEM NATIVE PLANT RESTORATION LIST

Locality:	Foothills between the Waingaro and Pariwhakaoho Rivers, including the Onahau and Little Onahau River headwaters, mid-branches of Waikoropupu River; foothills between Waingaro and Anatoki Rivers and extending to the coast around Takaka River mouth, including Waitapu Hill.
Topography:	Low relief hill country extending from sea-level to 500m altitude with moderately steeply incised streams. On granite substrate, ridges often broad with headwater basins and some impeded drainage, otherwise well-drained, moderately steep to very steep slopes and bluffs throughout.
Soils and Geology:	Very infertile sandy, clayey and stony acidic loams which have been strongly leached; overlying quartz schist and granite substrates. Soils extensively eroded in places.
Climate:	Moderate to moderately high sunshine hours. Moderate annual temperature range, most extreme inland and ameliorated near the coast. Frosts moderate to moderately severe. Rainfall from 2000mm near the coast to 2800mm inland.
Coastal influence:	Directly west of Takaka River mouth up to ½ km inland, and Waitapu Hill.
Original Vegetation:	All once covered in tall forest except on the steepest slopes. Mixed podocarp-broadleaf-beech forest, especially rimu and hard beech with mountain tōtara, miro, yellow pine, silver pine, western toatoa, northern rātā, black beech, quintinia, kāmahi and toro. Gullies with kāhikatea, pukatea and mixed broadleaved species.
Human Modification:	Generally a good cover of native vegetation remains although original forest now confined to small pockets in gullies and on steep hillslopes. Extensively burnt in the past and all gentle topography logged, mainly for rimu. Now commonly succeeded by mānuka shrublands. Exotic pines widespread.

[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
Early Stage plants are able to establish in open sites and can act as a nursery for later stage plants by providing initial cover. Later Stage plants need cover to establish. 2 = plant commonly 1 = plant less commonly 0 = not suitable to plant at this stage	Wet, Moist, Dry, Sun, Shade, Frost, Saline 1 = prefers or tolerates ½ = prefers or tolerates some 0 = intolerant of Plant in habitat type: C = coastal only I = inland only	F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects

PLANT SPECIES FOR WEST TAKAKA HILL-COUNTRY ECOSYSTEM		EARLY STAGE PLANTING RATIO	LATER STAGE PLANTING RATIO	PLANT PREFERENCES							Maximum Height (metres)	Food Type
Botanical Names	Māori and Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Coast only / Inland only		
TREES												
Aristolotelia serrata	makomako, wineberry	1	2	½	1	0	0	1	½		10	FBI
Ascarina lucida	hutu	1	2	½	1	0	1	1	1		6	F
Carpodetus serratus	putaputāwētā, marbleleaf	2	1	1	1	0	1	½	1		10	FBI
Coprosma grandifolia	raurekau	0	2	½	1	0	½	1	½		6	FB
Coprosma lucida	shining karamū	1	1	0	1	1	1	½	½		6	F
Coprosma repens	taupata	1	0	1	1	1	1	0	0	C	5	FI

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Botanical Names	Māori and Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Coast only / Inland only		
Coprosma robusta	karamū	1	1	½	1	1	1	½	½		6	F
Cordyline australis	tī kouka, cabbage tree	1	0	1	1	1	1	0	1		12	FNI
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		10	I
Cyathea medullaris	mamaku, black treefern	0	2	½	1	0	0	1	0		16	I
Cyathea smithii	kātote, soft treefern	0	1	½	1	0	0	1	½	I	8	I
Dacrycarpus dacrydioides	kāhikatea	1	2	1	1	0	½	½	1		60	FI
Dacrydium cupressinum	rimu	1	2	1	1	½	½	½	1		35	FI
Dicksonia squarrosa	whekī	0	2	½	1	0	0	1	1		7	I
Dodonaea viscosa	akeake	2	0	0	1	1	1	0	½		7	I
Dracophyllum elegantissimum	elegant neinei	0	1	½	1	0	0	1	1	I	10	I
Dracophyllum urvilleanum	weeping tree inaka	0	2	0	½	1	½	½	1		5	NI
Elaeocarpus dentatus	hīnau	0	1	½	1	0	½	1	½		18	FNBI
Elaeocarpus hookerianus	pōkākā	2	2	1	1	0	½	½	1		12	FI
Fuchsia excorticata	kōtukutuku, tree fuchsia	0	2	½	1	0	½	1	½		10	FNBI
Griselinia littoralis	papauma, broadleaf	1	2	0	1	1	1	1	1		12	FBI
Griselinia lucida	puka	1	1	0	1	1	1	½	0		8	FBI
Hedycarya arborea	porokaiwhiri, pigeonwood	0	1	0	1	1	1	½	½		8	FBI
Kunzea ericoides	kānuka	2	0	0	½	1	1	0	1		15	NI
Laurelia novae-zelandiae	pukatea	0	1	1	½	0	0	1	½		35	BI
Lepidothamnus intermedius	yellow pine	1	2	1	1	0	½	½	1	I	15	F
Leptospermum scoparium	mānuka	2	0	1	1	1	1	0	1		8	NI
Libocedrus bidwillii	pāhautea, southern cedar	0	2	1	1	0	0	½	1		15	
Macropiper excelsum	kawakawa, pepperwood	0	2	½	1	1	1	1	0	C	6	FI
Manoao colensoi	silver pine, manoao	1	1	1	1	0	½	½	1	I	15	F
Melicytus lanceolatus	māhoe wao, narrow-leaved māhoe	1	1	½	1	0	½	½	1	I	6	F
Melicytus ramiflorus	māhoe, whiteywood	0	2	½	1	1	½	1	½		10	FBI
Metrosideros robusta	northern rātā	1	2	½	1	½	½	0	½		30	N
Myoporum laetum	ngaio	2	0	0	1	1	1	0	0	C	10	FN
Myrsine australis	māpou	1	1	0	1	1	1	½	1		8	FI
Myrsine divaricata	weeping māpou	1	1	1	1	1	½	1	1		4	F
Myrsine salicina	toro	1	2	½	1	0	½	1	1		8	F
Neomyrtus pedunculata	rōhutu	1	1	1	1	0	½	1	1		6	F
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
Nothofagus truncata	hard beech	1	2	0	½	1	1	½	½		30	FNI
Olearia rani	heketara	0	1	0	1	1	½	½	½		7	I
Phyllocladus "forest"	western toatoa	0	2	1	1	0	½	½	1		10	
Phyllocladus trichomanoides	tānekaha	1	1	0	1	1	1	½	½		20	I
Pittosporum eugenioides	tarata, lemonwood	1	1	½	1	1	1	½	1		12	FI
Pittosporum tenuifolium	kōhūhū	2	1	0	1	1	1	½	1		9	FBI
Podocarpus hallii	mountain tōtara, thin-barked tōtara	1	2	0	1	1	1	½	1		20	FBI
Prumnopitys ferruginea	miro	1	2	½	1	0	½	½	1		25	FI
Pseudopanax arboreus	orihou, five finger	1	2	0	1	½	½	½	½		8	FNBI
Pseudopanax crassifolius	horoeaka, lancewood	2	2	½	1	1	1	1	1		10	FNI

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Botanical Names	Māori and Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Coast only / Inland only		
<i>Pseudopanax "ternatus"</i>	mountain three-finger	0	1	½	1	0	½	½	1	I	5	FNI
<i>Pseudowintera axillaris</i>	lowland horopito	0	1	½	1	0	0	1	½		7	F
<i>Pseudowintera colorata</i>	horopito	1	1	1	1	0	½	1	1		6	F
<i>Quintinia serrata</i>	tāwheowheo, quintinia	0	2	½	1	0	½	1	1		12	N
<i>Rhopalostylis sapida</i>	nīkau	0	1	½	1	0	0	1	0		10	FNI
<i>Schefflera digitata</i>	patē, seven-finger	0	1	½	1	0	½	1	½		8	FBI
<i>Weinmannia racemosa</i>	kāmahi	1	2	½	1	½	½	½	1		10	NI
SHRUBS												
<i>Alseuosmia macrophylla</i>	toropapa	0	1	½	1	0	0	1	½		2	FNB
<i>Coprosma foetidissima</i>	hūpiro, stinkwood	1	2	1	1	0	½	1	1		3	FB
<i>Coprosma rhamnoides</i>	bucks-horn coprosma	1	2	0	½	1	1	½	1		2	F
<i>Coprosma tayloriae</i>	tier coprosma	1	2	1	1	1	1	½	1		2	F
<i>Coprosma tenuicaulis</i>	swamp coprosma	2	1	1	1	0	1	½	1		3	F
<i>Dracophyllum filifolium</i>	inaka	2	0	0	½	1	1	½	1		2	NI
<i>Geniostoma ligustrifolium</i>	hangehange	0	2	0	1	½	½	1	0		3	NB
<i>Hebe leiophylla</i> (= <i>H. gracillima</i>)	arching koromiko	1	0	½	1	½	½	½	1		2	
<i>Hebe salicifolia</i>	South Island koromiko	2	0	½	1	0	1	½	1		2	NBI
<i>Hebe stricta</i> var. <i>atkinsonii</i>	koromiko	2	0	½	1	½	1	½	½	C	2	NBI
<i>Leptecophylla juniperina</i>	prickly mingimingi	2	1	0	½	1	1	½	1		3	F
<i>Leucopogon fasciculatus</i>	mingimingi	0	2	0	½	1	½	½	1		4	F
<i>Ozothamnus leptophyllus</i>	tauhinu, cottonwood	1	0	0	½	1	1	0	1		2	I
<i>Pimelea longifolia</i>	coastal daphne	0	1	0	½	1	½	½	½		2	FI
CLIMBERS												
<i>Clematis forsteri</i>	scrub clematis	1	1	0	1	½	½	½	1	I	4	
<i>Clematis paniculata</i>	puawānanga, bush clematis	1	1	0	1	0	½	½	½		7	
<i>Freycinetia banksii</i>	kiekeie	0	2	½	1	½	0	1	½		10	FNI
<i>Metrosideros diffusa</i>	rātā vine	0	2	½	1	0	½	1	½		10	N
<i>Metrosideros fulgens</i>	scarlet rātā vine	0	2	0	1	½	½	1	½		15	NI
<i>Metrosideros perforata</i>	lowland rātā vine	0	1	0	1	½	½	1	½		15	N
<i>Rhipogonum scandens</i>	kareao, supplejack	0	2	1	1	0	½	1	½		15	F
<i>Rubus cissoides</i>	bush lawyer	0	1	½	1	½	½	1	½		10	F
GRASSES, SEDGES & GROUND COVERS												
<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>Astelia solandri</i>	kōwharawhara	0	1	0	1	½	½	1	½		1	F
<i>Astelia trinervia</i>	kauri lily	0	2	½	1	0	½	1	½		2	F
<i>Blechnum discolor</i>	piupiu crown fern	0	2	0	1	½	½	1	½		0.5	I
<i>Blechnum fraseri</i>	zig-zag hardfern	0	2	½	1	0	½	1	½		1	
<i>Blechnum novae-zelandiae</i>	kiokio	2	0	1	1	1	½	1	1		2	I
<i>Blechnum procerum</i>	beech hardfern	0	2	0	1	1	0	1	1		0.5	
<i>Cortaderia richardii</i>	South Island toetoe	2	0	1	1	1	1	0	1		2	I
<i>Dianella nigra</i>	tūrutu, blueberry	0	2	0	1	1	1	½	½		0.3	F
<i>Gahnia pauciflora</i>	small cutty sedge	1	1	0	1	1	1	½	½		1.5	F
<i>Gahnia setifolia</i>	cutty sedge	2	1	0	1	1	1	½	½		2	F
<i>Gahnia xanthocarpa</i>	giant cutty sedge	2	1	1	1	0	1	1	1		2	F
<i>Microlaena avenacea</i>	bush ricegrass	1	2	½	1	½	½	1	1		0.5	

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<i>Microsorium pustulatum</i>	hounds tongue fern	1	1	0	1	1	½	1	½		0.2	B
<i>Phormium cookianum</i>	wharariki, coastal flax	2	0	0	1	1	1	0	1		1.5	N
<i>Phormium tenax</i>	harakeke, swamp flax	2	0	1	1	½	1	0	1		2	N
<i>Polystichum vestitum</i>	prickly shield fern	1	2	½	1	0	½	1	1		1	I
<i>Sticherus cunninghamii</i>	umbrella fern	2	0	1	1	0	1	½	1		1	
<i>Uncinia uncinata</i>	hookgrass	1	2	½	1	½	½	1	1		0.5	