

TASMAN SANDY COAST ECOSYSTEM NATIVE PLANT RESTORATION LIST

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|-----------------------------|--|
| Locality: | Coastal, sandy flats between Riwaka River mouth and Tahunanui and including Rabbit, Bells and Bests Islands. |
| Topography: | Low-lying, flat to gently contoured dunes and plains, often with a series of parallel gentle ridges and hollows. |
| Soils and Geology: | Fine-grained unconsolidated sand adjacent to the shoreline, and extensive areas of consolidated sand and gravels inland forming beach ridges; well-drained and drought-prone. Thin swamp deposits in hollows of blue-grey sandy mud; poorly-drained. Derived from Motueka River sediments and eroded Moutere gravels. Fertility low to moderate. |
| Climate: | High sunshine hours; frosts mild; mild annual temperatures, rainfall 920mm. |
| Coastal influence: | Entirely coastal. |
| Original Vegetation: | Podocarp - mixed broadleaf forest, low mixed broadleaf forest, shrublands and dunelands. Vegetated and open wetlands in sand and gravel dune hollows and on sand flats with high water table. |
| Human Modification: | Very few areas of native vegetation remaining. Earthworks have altered the hydrology and many of the original landforms that determine vegetation patterns. Base water table has been lowered. |

[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>Plant in habitat type:</p> <p>W = freshwater wetlands S = sand dunes D = river deltas</p> | <p>F = Fruit/seeds N = Nectar B = Buds/foilage I = Insects</p> |

| PLANT SPECIES FOR TASMAN SANDY COAST 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 | Sand Dunes | River Deltas Only | | |
| TREES | | | | | | | | | | | | | | |
| Alectryon excelsus | tītoki | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | | | | 15 | FI |
| Aristotelia serrata | makomako, wineberry | 0 | 1 | ½ | 1 | 0 | 0 | 1 | ½ | | | | 10 | FBI |
| Brachyglottis repanda | rangiora | 0 | 1 | 0 | 1 | ½ | ½ | 1 | ½ | | | | 4 | |
| Carpodetus serratus | putaputāwētā, marbleleaf | 1 | 1 | 1 | 1 | 0 | 1 | ½ | 1 | | | | 10 | FBI |
| Coprosma areolata | thin-leaved coprosma | 0 | 1 | 0 | 1 | ½ | ½ | ½ | ½ | | | | 5 | FBI |
| Coprosma crassifolia | thick-leaved coprosma | 2 | 0 | 0 | ½ | 1 | 1 | ½ | 1 | | | | 5 | 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 | | | | 5 | FI |
| Coprosma robusta | karamū | 1 | 2 | ½ | 1 | 1 | 1 | ½ | ½ | | | | 6 | F |
| Cordyline australis | tī kouka, cabbage tree | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | W | | | 12 | FNI |

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| Coriaria arborea | tree tutu | 2 | 0 | ½ | 1 | 1 | 1 | 0 | ½ | | | | 6 | F |
| Dacrycarpus dacrydioides | kāhikatea | 1 | 2 | 1 | 1 | 0 | ½ | ½ | 1 | W | | | 60 | FI |
| 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 |
| Griselinia lucida | puka | 1 | 2 | 0 | 1 | 1 | 1 | ½ | 0 | | | | 8 | FBI |
| Hedycarya arborea | porokaiwhiri, pigeonwood | 0 | 1 | 0 | 1 | 1 | 1 | ½ | ½ | | | | 8 | FBI |
| Hoheria angustifolia | narrow-leaved lacebark | 1 | 1 | ½ | 1 | 1 | 1 | 0 | 1 | | | D | 10 | FI |
| 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 | | | | 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 |
| 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 | 1 | 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 | 1 | 1 | ½ | 1 | 1 | 1 | 0 | 1 | | | D | 15 | 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 crassifolius | horoeaka, lancewood | 2 | 1 | ½ | 1 | 1 | 1 | 1 | 1 | | | | 10 | FNI |
| Solanum aviculare | poroporo | 1 | 0 | 0 | 1 | ½ | ½ | ½ | ½ | | | | 3 | F |
| Sophora microphylla | kōwhai | 1 | 1 | 0 | ½ | 1 | 1 | ½ | 1 | | | D | 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 | | | D | 2 | NB |
| Coprosma acerosa | sand coprosma | 2 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | S | | 1 | 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 |
| 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 | 2 | 0 | 0 | ½ | 1 | 1 | ½ | 1 | | | | 0.5 | F |
| Melicytus crassifolius | coastal porcupine shrub | 2 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | | | 0.5 | F |
| Ozothamnus leptophyllus | tauhinu, cottonwood | 2 | 0 | 0 | ½ | 1 | 1 | 0 | 1 | | | | 2 | I |
| Pimelea villosa ssp. "southern" | southern sand daphne | | 2 | ½ | 1 | 1 | 1 | 0 | 0 | | S | | 0.5 | F |
| CLIMBERS | | | | | | | | | | | | | | |
| Calystegia sepium ssp. sepium | native convolvulus | 0 | 1 | ½ | 1 | 0 | 1 | ½ | ½ | | | | 3 | |
| Calystegia soldanella | shore convolvulus | 2 | 0 | 0 | ½ | 1 | 1 | 0 | 0 | | S | | 0.2 | |
| Muehlenbeckia axillaris | mat pōhuehue | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | | 0.1 | I |
| 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 squarrosus | leafless lawyer | 1 | 1 | 0 | 1 | 1 | 1 | ½ | ½ | | | D | 5 | F |

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| Botanical Names | Māori & Common Names | | | Wet | Moist | Dry | Sun | Shade | Frost | Freshwater Wetlands | Sand Dunes | River Deltas Only | | | |
| 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 | 1 | 2 | 0 | 1 | 1 | ½ | ½ | ½ | | | | 1 | | |
| <i>Apodasmia similis</i> (=Leptocarpus) | oiioi, jointed rush | 2 | 0 | s.5 | s1 | 0 | 1 | 0 | ½ | W | | | 1.5 | I | |
| <i>Arthropteris tenella</i> | jointed fern | 0 | 1 | 0 | 1 | ½ | 0 | 1 | 0 | | | | 5 | | |
| <i>Asplenium appendiculatum</i> ssp. <i>appendiculatum</i> | terrestrial spleenwort | 0 | 1 | 0 | 1 | ½ | 0 | 1 | ½ | | | | 0.3 | | |
| <i>Asplenium flabellifolium</i> | necklace fern | 0 | 1 | 0 | ½ | 1 | ½ | 1 | ½ | | | | 0.1 | | |
| <i>Asplenium oblongifolium</i> | shining spleenwort | 0 | 1 | 0 | 1 | 1 | ½ | 1 | 0 | | | | 0.5 | | |
| <i>Atriplex cinerea</i> | grey salt bush | 2 | 0 | S.5 | 1 | 0 | 1 | 0 | 1 | | | | 1 | | |
| <i>Baumea articulata</i> | stout jointed sedge | 2 | 0 | 1 | ½ | 0 | 1 | 0 | ½ | W | | | 3 | | |
| <i>Blechnum filiforme</i> | climbing hardfern | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | | | | 5 | | |
| <i>Blechnum novae-zelandiae</i> | kiokio | 2 | 0 | 1 | 1 | 1 | ½ | 1 | 1 | W | | | 2 | I | |
| <i>Blechnum penna-marina</i> | little hardfern | 1 | 1 | 1 | 1 | ½ | ½ | ½ | 1 | | | | 0.2 | | |
| <i>Bolboschoenus caldwellii</i> | pūrua grass | 2 | 0 | 1 | ½ | 0 | 1 | 0 | ½ | W | | | 2 | | |
| <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 "geminata wide leaf"</i> | swamp rautahi | 2 | 0 | 1 | ½ | 0 | 1 | ½ | ½ | W | | | 1.5 | I | |
| <i>Carex pumila</i> | sand sedge | 2 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | S | | 0.2 | | |
| <i>Carex raoulii</i> | coast sedge | 1 | 0 | 0 | 1 | 1 | 1 | ½ | ½ | | | | 0.5 | | |
| <i>Carex solandri</i> | droop sedge | 1 | 1 | 0 | 1 | ½ | ½ | ½ | 1 | | | | 1 | | |
| <i>Carex testacea</i> | bootstrap sedge | 2 | 0 | 0 | 1 | 1 | 1 | ½ | 1 | | | | 0.6 | | |
| <i>Carex virgata</i> | pukio | 1 | 0 | 1 | ½ | 0 | 1 | ½ | 1 | W | | | 1.5 | I | |
| <i>Centella uniflora</i> | centella | 0 | 1 | 1 | 1 | ½ | 1 | ½ | ½ | | | | 0.1 | | |
| <i>Cortaderia richardii</i> | South Island toetoe | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | | | | 3 | I | |
| <i>Cotula coronopifolia</i> | bachelors button | 1 | 0 | s.5 | ½ | 0 | 1 | 0 | ½ | W | | | 0.1 | | |
| <i>Cyperus ustulatus</i> | upoko tangata | 2 | 0 | ½ | 1 | ½ | 1 | 0 | ½ | | | | 1 | F | |
| <i>Desmoschoenus spiralis</i> | pīngao | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | | S | | 1 | I | |
| <i>Dichondra repens</i> | kidney creeper | 1 | 0 | 0 | ½ | 1 | 1 | ½ | ½ | | | | 0.1 | | |
| <i>Disphyma australe</i> | horokaka, native iceplant | 2 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | | | 0.1 | FB | |
| <i>Eleocharis acuta</i> | spike rush | 1 | 0 | 1 | ½ | 0 | 1 | ½ | 1 | W | | | 1 | | |
| <i>Elymus solandri</i> | blue wheatgrass | 1 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | | | 0.3 | | |
| <i>Euphorbia glauca</i> | native sand spurge, waiūatua | 1 | 2 | 0 | 1 | 1 | 1 | 0 | ½ | | | | 1 | | |
| <i>Gahnia xanthocarpa</i> | giant cutty sedge | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | W | | | 2 | F | |
| <i>Haloragis erecta</i> | toatoa | 1 | 0 | 0 | 1 | 1 | 1 | ½ | ½ | | | | 0.5 | | |
| <i>Hypolepis dicksonioides</i> | giant hypolepis | 1 | 0 | ½ | 1 | 0 | 1 | 0 | 0 | W | | | 2 | | |
| <i>Ficinia nodosa</i> (= <i>Isolepis nodosa</i>) | knot sedge | 2 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | | | 1 | | |
| <i>Juncus australis</i> | wiwi | 2 | 0 | ½ | 1 | 0 | 1 | 0 | 1 | W | | | 1 | | |
| <i>Juncus edgariae</i> | wiwi | 2 | 0 | ½ | 1 | 0 | 1 | 0 | 1 | W | | | 1 | | |
| <i>Juncus pallidus</i> | tall swamp rush | 2 | 0 | 1 | 1 | 0 | 1 | 0 | ½ | W | | | 2 | | |
| <i>Juncus pauciflorus</i> | slender rush | 1 | 0 | ½ | 1 | 0 | 1 | 0 | 1 | W | | | 0.7 | | |
| <i>Juncus sarophorus</i> | blue wiwi | 2 | 0 | ½ | 1 | 0 | 1 | 0 | 1 | W | | | 1 | | |
| <i>Lachnagrostis billardierei</i> | wind grass | 1 | 0 | 0 | ½ | 1 | 1 | 0 | ½ | | | | 0.5 | | |
| <i>Leucopogon fraseri</i> | pātōtara | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | | 0.2 | F | |
| <i>Libertia peregrinans</i> | sand iris | 2 | 0 | ½ | 1 | ½ | 1 | 0 | ½ | | S | | 0.5 | | |

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|---|------------------------------|----------------------------|----------------------------|-------------------|-------|-----|-----|-------|-------|---------------------|------------|-------------------|-------------------------|-----------|
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| <i>Linum monogynum</i> | rauhua | 1 | 0 | 0 | 1 | 1 | 1 | ½ | ½ | | | | 0.5 | |
| <i>Microlaena polynoda</i> | bamboo grass | 0 | 2 | 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 | 1 | 2 | 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 | W | | | 2 | N |
| <i>Poa aff. cita</i> | coastal silver tussock | 2 | 0 | 0 | 1 | 1 | 1 | 0 | ½ | | | | 0.5 | I |
| <i>Poa anceps</i> | carpet poa | 0 | 1 | 0 | 1 | 1 | 1 | ½ | ½ | | | | 0.2 | I |
| <i>Polygonum salicifolium</i> | tūtunāwai, swamp willow-weed | 2 | 0 | 1 | 1 | 0 | 1 | ½ | ½ | W | | | 0.1 | F |
| <i>Ranunculus macropus</i> | waoriki | 0 | 2 | 1 | ½ | 0 | ½ | ½ | ½ | W | | | 0.5 | |
| <i>Raoulia aff. hookeri</i> (=R. "Makara") | coastal mat daisy | 1 | 0 | 0 | 1 | ½ | 1 | 0 | ½ | | S | | 0.1 | |
| <i>Schoenoplectus tabernaemontani</i> | kāpungawhā, lake clubrush | 2 | 0 | 1 | ½ | 0 | 1 | 0 | ½ | W | | | 2 | I |
| <i>Senecio glomeratus</i> | woolly fire daisy | 1 | 0 | 0 | 1 | 1 | 1 | 0 | ½ | | | | 0.8 | |
| <i>Spinifex sericeus</i> | kōwhangatara, spinifex | 2 | 0 | 0 | 1 | 1 | 1 | 0 | ½ | | S | | 0.5 | I |
| <i>Tetragonia tetragonioides</i> | New Zealand spinach | 2 | 0 | 0 | ½ | 1 | 1 | ½ | 0 | | | | 0.3 | B |
| <i>Typha orientalis</i> | raupō | 2 | 0 | 1 | ½ | 0 | 1 | 0 | 1 | W | | | 3 | |