



OIOI - tuturiwhatu* - marsh ribbonwood, estuarine ecosystem

* = banded dotterel

(U) = upper marsh, (L) = lower marsh

Food for native birds:
 F = Fruit
 S = Bird Seed
 N = Nectar
 B = Bud/foilage
 I = Insects
 For lizards: L = fruit

Plant Tolerances
 ■ = tolerates or needs
 □ = intolerant
 ½ = tolerant of some

* = to establish, protect from frost
 t = toxic for toddlers

PLANT LISTS Plants selected from vegetation natural to wet & salty Motukarara soils

SHRUBS

<i>Coprosma propinqua</i>	mikimiki (U)
<i>Leptospermum scoparium</i>	manuka, tea tree (U)
<i>Muehlenbeckia complexa</i>	scrambling pohuehue (U)
<i>Plagianthus divaricatus</i>	houi, marsh ribbonwood (U)

TUSSOCKS & REEDS

<i>Apodasmia similis</i>	oioi, jointed wire rush (L)
<i>Bolboschoenus caldwellii</i>	brackish water sedge (deciduous) (L)
<i>Carex litorosa</i>	sea sedge (U)
<i>Cortaderia richardii</i>	toetoe (U)
<i>Cyperus ustulatus</i>	upoko-tangata, umbrella sedge (U)
<i>Ficinia nodosa</i>	wiwi, knobby clubrush (U)
<i>Juncus maritimus</i>	wiwi, sea rush (L)
<i>Juncus pallidus</i>	wiwi, giant rush (U)
<i>Phormium tenax</i>	harakeke, NZ flax
<i>Schoenoplectus pungens</i>	three-square (L)
<i>Schoenoplectus tabernaemontani</i>	lake club rush (L) (brackish water)

GROUNDCOVERS

<i>Apium prostratum</i>	sea celery (U)
<i>Carex geminata</i>	rautahi, purei, cutty grass (U)
<i>Epilobium billardioreanum</i>	willowherb (U)
<i>Hierochloa redolens</i>	karetu, holy grass (U)
<i>Isolepis cernua</i>	bristle sedge (L)
<i>Leptinella dioica</i>	cotula (U)
<i>Lilaeopsis novae-zelandiae</i>	lilaeopsis (L)
<i>Limosella lineata</i>	NZ mudwort (L)
<i>Mazus novaezeelandiae</i>	carpet musk (U)
<i>Samolus repens</i>	sea primrose, moakoako (L)
<i>Sarcocornia quinqueflora</i>	glasswort (L)
<i>Schoenus concinnus</i>	turf sedge (L)
<i>Selliera radicans</i>	remuremu (L)
<i>Spergularia tasmanica</i>	NZ sea spurrey (U)
<i>Suaeda novae-zelandiae</i>	NZ sea blite (U)
<i>Triglochin striatum</i>	arrow gras (L)
<i>Zostera muelleri</i>	eel grass (L)

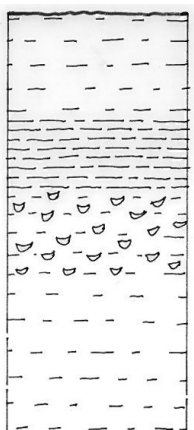
Food

F,L	■ ½ ■ ■ ■
N,I	■ □ ■ ■ ■
F,L,I	■ □ ½ ■ ■
I	■ □ ■ ½ ■

Tolerances

sun
 shade
 wet
 dry
 wind

S	■ □ ■ ½ ■
S	■ □ ■ □ ■
S	■ □ ■ □ ■
S	■ □ ■ ■ ■
S	■ □ ■ ½ ■
S	■ □ ■ ½ ■
S	■ ½ ■ ½ ■
N,L	■ □ ■ ■ ■
S	■ □ ■ ½ ■
S	■ □ ■ □ ■



Underlayers: Alternating silt & clay with shells. No greywacke stones but some small pieces of wood.