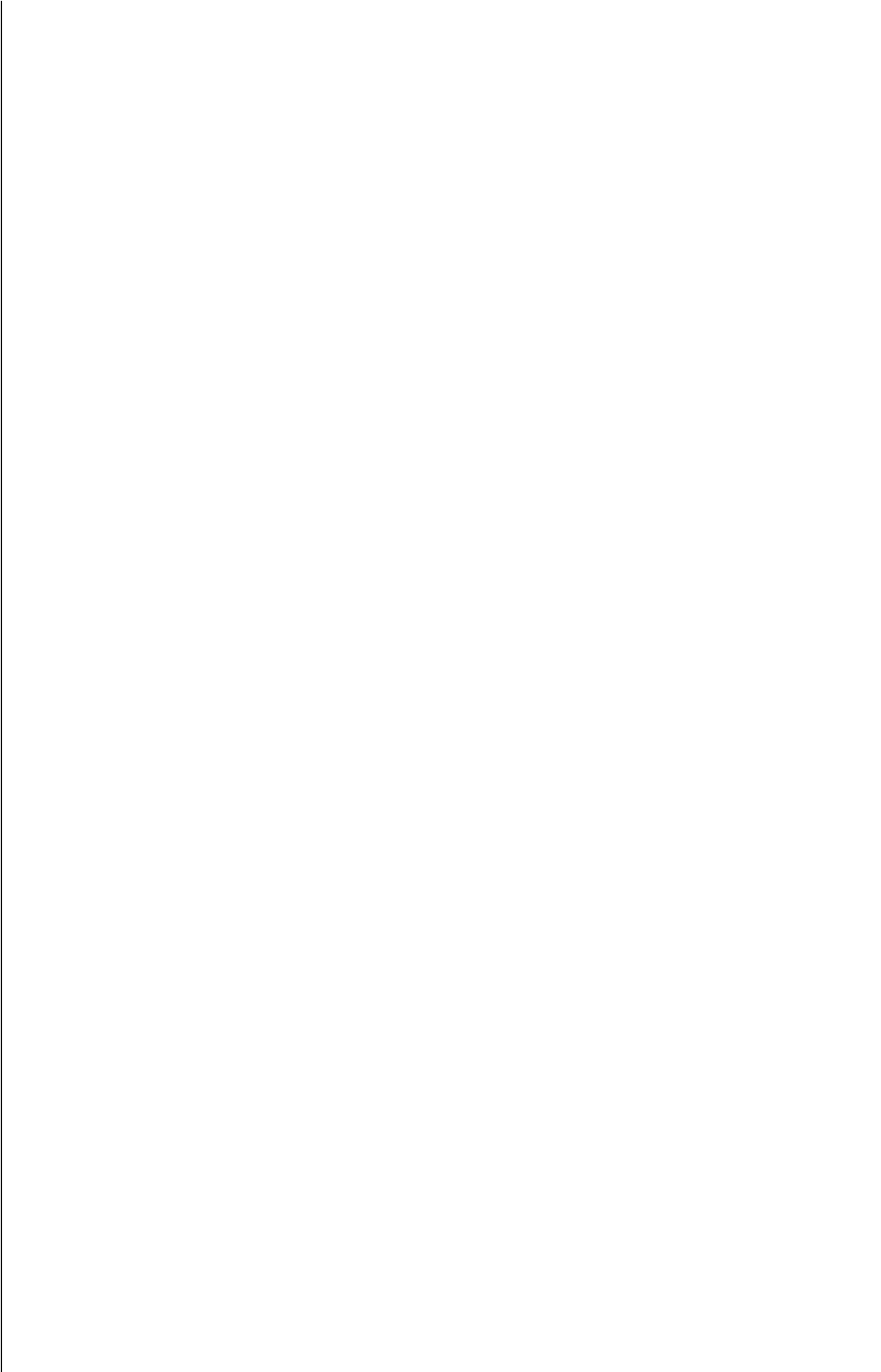


# Appendix 13

## Planting guides

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## Introduction

The table in this appendix identifies suitable indigenous species for planting in the following situations:

- locations where fire resistant plants are required
- effluent disposal fields
- erosion control and bank stabilisation
- coastal margins
- stream margins
- wetlands.

The figures following the table show how different plant species can be grouped in particular situations.

**Note:** Users of this guide are encouraged to refer to the following publications and websites for detailed guidance on planting. The Landcare Research plant species selector is highly recommended.

### References

Auckland Regional Council, *Wonderful Wetlands – Wetland Restoration and Planting Guide for the Auckland Region*, Factsheet available at [www.arc.govt.nz](http://www.arc.govt.nz)

Chapple, Don, Rachel Ebbett and Ivan Kitson, *Greening our Gulf Islands – A manual for native revegetation with special reference to Waiheke*, May 2000.

Auckland Regional Council, *Riparian Zone Management – Planting Guide*, [www.arc.govt.nz](http://www.arc.govt.nz)

Auckland Regional Council, TP58 Technical Sheet G-1, *Plants suitable for on-site wastewater disposal systems*

Manaaki Whenua Landcare Research, Plant species selector, <http://www.landcareresearch.co.nz/research/biodiversity/greentoolbox>

Table 1 : Planting guide

Maori name	Common name	Scientific name	Resists fire	Suitable for effluent disposal fields	Suitable for general erosion control and bank stabilisation	Suitable for coastal, saltmarsh saline stream margins and flood areas	Suitable for wetlands / swamps and stream margins
Akiraho		<i>Olearia paniculata</i>			✓ wind and salt spray tolerant		
Hangehange		<i>Geniostoma liguistrifolium</i>	✓	✓ moist drained			
Harekeke	Flax	<i>Phormium tenax</i>		✓ very wet		✓ above flood line	✓ moist edges / swampy areas
Hukihuki	Swamp coprosma	<i>Coprosma tenuicaulis</i>		✓ very wet			✓ swampy areas
Kahikatea *	White pine	<i>Dacrydium dacrydioides</i>		✓ moist / wet site	✓ clay slope planting		✓ moist edges / flood plains
Kaikomako		<i>Penantia corymbosa</i>		✓ moist			✓ moist fertile
Kamaha *		<i>Weinmannia racemosa</i>		✓ wet			
Kanono		<i>Coprosma grandifolia</i>	✓				
Kanuka *	Tea tree	<i>Kunzea ericoides</i>			✓ slip face stabilisation		
Kapungawha	Clubrush	<i>Schoenoplectus tabernaemontanii</i>				✓ coastal streams / salty water	✓ standing water and salt water
Karaka		<i>Corynocarpus laevigatus</i>	✓				
Karamu *	Looking glass plant	<i>Coprosma robusta, C. lucida</i>	✓	✓ wet	✓ clay slope planting		✓ moist edges
Karo *		<i>Pittosporum crassifolium</i>	✓		✓ wind and salt spray tolerant		
Kauri *		<i>Agathis australis</i>			✓ clay slope planting		
Kawakawa *		<i>Macropiper excelsum</i>	✓				✓ moist edges

Maori name	Common name	Scientific name	Resists fire	Suitable for effluent disposal fields	Suitable for general erosion control and bank stabilisation	Suitable for coastal, saltmarsh saline stream margins and flood areas	Suitable for wetlands / swamps and stream margins
Kio kio	Swamp kiokio (fern)	<i>Blechnum novae-zealandiae</i>		✓ moist			✓ swamp
Kohekohe *		<i>Dyoxylum spectabile</i>			✓ clay slope planting		
Koromiko		<i>Hebe stricta</i> var. <i>stricta</i>		✓ moist drained			✓ moist edges
Kotukutuku		<i>Fuchsia excorticata</i>	✓				
Kowhai *		<i>Sophora microphylla</i>		✓ wet		✓ lower saline slopes	✓ moist edges
Kukaraho	Marsh club rush	<i>Bolboschoenus fluviatilis</i>				✓ coastal stream margins / salt	✓ standing water
Kumerahou *	Golden tainui	<i>Pomaderris kumerahou</i>			✓ slip face stabilisation		
Kuta kuta	Bamboo spike sedge	<i>Eleocharis spahacelata</i>					✓ standing water / swamp / edges
Maakaka	Swamp ribbonwood	<i>Plagianthus divaricatus</i>					✓ wetland plant
Maakoako	Sea primrose	<i>Samolus repens</i>				✓ salt marsh banks and cliffs	
Mahoe *	Whitey wood	<i>Meliclytus ramiflorus</i>		✓ wet	✓ roots stabilise banks		✓ moist edges
Maire-tawaki *	Swamp maire	<i>Syzygium maire</i>		✓ very wet			✓ wetland and margin
Makaka *	Shore ribbonwood	<i>Plagianthus betulinus</i>				✓ very salty conditions	✓ wetland and margins
Makomako *	Wineberry	<i>Aristotelia serrata</i>		✓ wet			✓ wetland and margins
Manihi	Red pondweed	<i>Potamogeton cheesmanii</i>					✓ standing water to 4m deep

Maori name	Common name	Scientific name	Resists fire	Suitable for effluent disposal fields	Suitable for general erosion control and bank stabilisation	Suitable for coastal, saltmarsh saline stream margins and flood areas	Suitable for wetlands / swamps and stream margins
Manuka *	Red teatree	<i>Leptospermum scoparium</i>		✓ very wet	✓ clay slope planting	✓ lower saline slopes	✓ wetland and moist edges
Mingimingi *		<i>Coprosma propinqua</i>		✓ wet			✓ wetland and margins
Miro *	Brown pine	<i>Prumnopitys ferruginea</i>					
Ngaio *		<i>Myoporum laetum</i>			✓ erosion control		
Nikau *		<i>Rhopalostylis sapida</i>		✓ wet/shade			✓ moist edges / wind sensitive
Oioi	Sea rush	<i>Juncus maritimus</i>				✓ saltmarsh and estuaries	
Papauma		<i>Griselinia littoralis</i>	✓				
Parataniwha		<i>Elatostema rugosum</i>		✓ moist			✓ moist edges
Pate *		<i>Schefflera digitata</i>		✓ wet			✓ moist edges
Pohuehue *	Wirevine	<i>Muehlenbeckia complexa</i>			✓ binding plant - dune	✓ lower saline slopes	
Pohutukawa *		<i>Metrosideros excelsa</i>			✓ bank stabilising	✓ lower saline slopes	
Poroporo		<i>Solanum aviculare</i>	✓				
Puka *		<i>Griselinia lucida</i>	✓		✓ clay slope planting		
Pukatea *		<i>Laurelia novae-zelandiae</i>		✓ very wet			✓ swamp/ floodplain/edges
Purei	Rush	<i>Carex secta, C. virgata</i>			✓ foliage protects soil surface		✓ standing water / swampy areas
Puriri *		<i>Vitex lucens</i>		✓ moist drained			✓ moist edges well drained

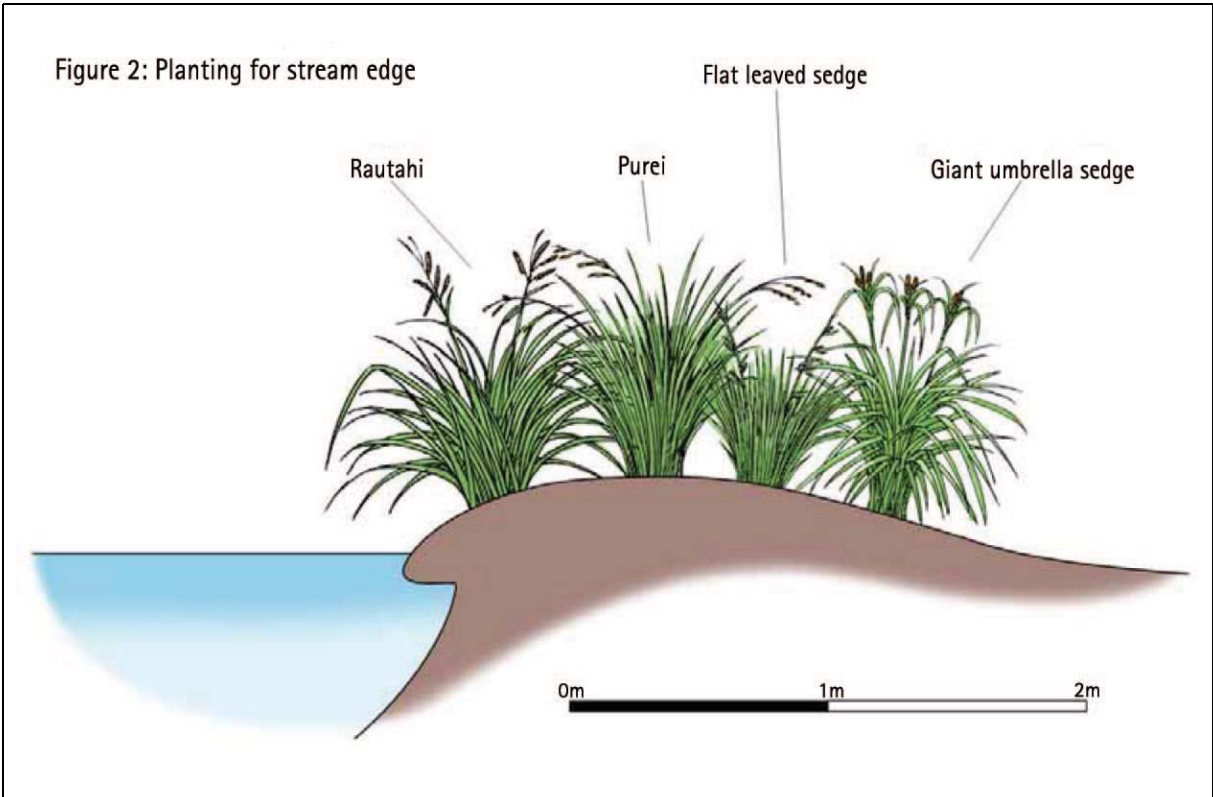
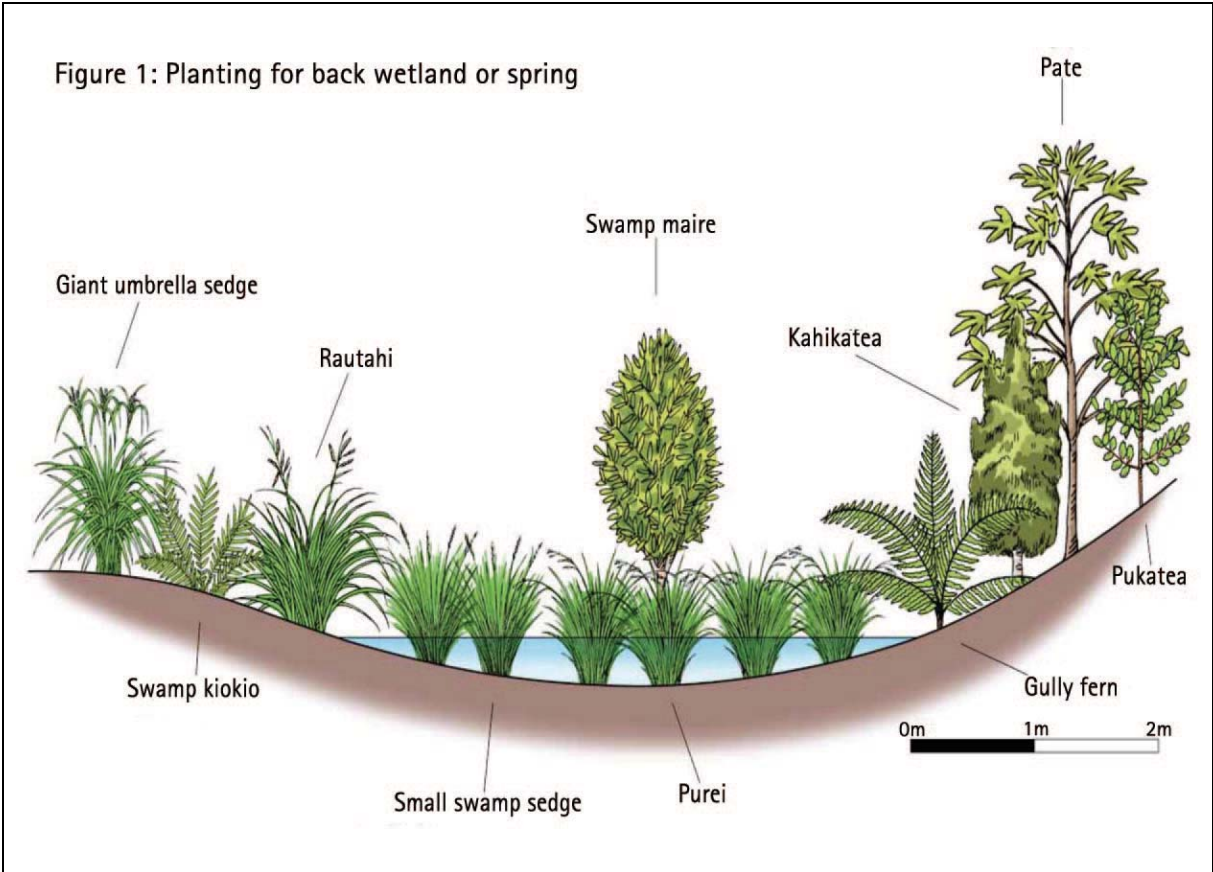
Maori name	Common name	Scientific name	Resists fire	Suitable for effluent disposal fields	Suitable for general erosion control and bank stabilisation	Suitable for coastal, saltmarsh saline stream margins and flood areas	Suitable for wetlands / swamps and stream margins
Putaputaweta	Marbleleaf	<i>carpodetus serratus</i>	✓	✓ very wet			✓ swampy areas / moist margins
Raupo		<i>Typha orientalis</i>					✓ standing water to 1m / swamp
Raurekau		<i>Coprosma australis</i>	✓				
Rautahi		<i>Carex lessoniana, C. geminata</i>		✓ very wet			✓ lowland swamps
Remuremu		<i>Selliera radicans</i>				✓ salt marshes / dune hollows	
Rimu *		<i>Dacrydium cupressinum</i>			✓ clay slope planting		
Tauhinu *	Golden cottonwood	<i>Cassinia fulvida</i>		✓ very wet			✓ standing water
Taupata *		<i>Coprosma repens</i>	✓		✓ exposed coastal sites		
Ti koura *	Cabbage tree	<i>Cordyline australis</i>		✓ very wet		✓ lower saline slopes	✓ moist edges and swamp
Toetoe *		<i>Cyperus ustulatus</i>		✓ wet	✓ foliage protects soil surface		✓ shallow water and edges
Totara *		<i>Podocarpus totara</i>			✓ soil stabilising deep root		
Tupari maunga	Tussock sedge	<i>Gahnia xanthocarpa</i>					✓ swampy areas
Ureure		<i>Sarcocornia quinqueflora</i>				✓ salt marshes and salt meadows	
Waewae kotuku	Tangle fern	<i>Gleichenia dicarpa</i>					✓ damp wetlands
Whēkiponga	Swamp tree fern	<i>Dicksonia squarrosa</i>		✓ moist			✓ moist margins
Wiiwii	Rushes	<i>Juncus greigiflorus, J. sarophorus</i>					✓ swampy areas

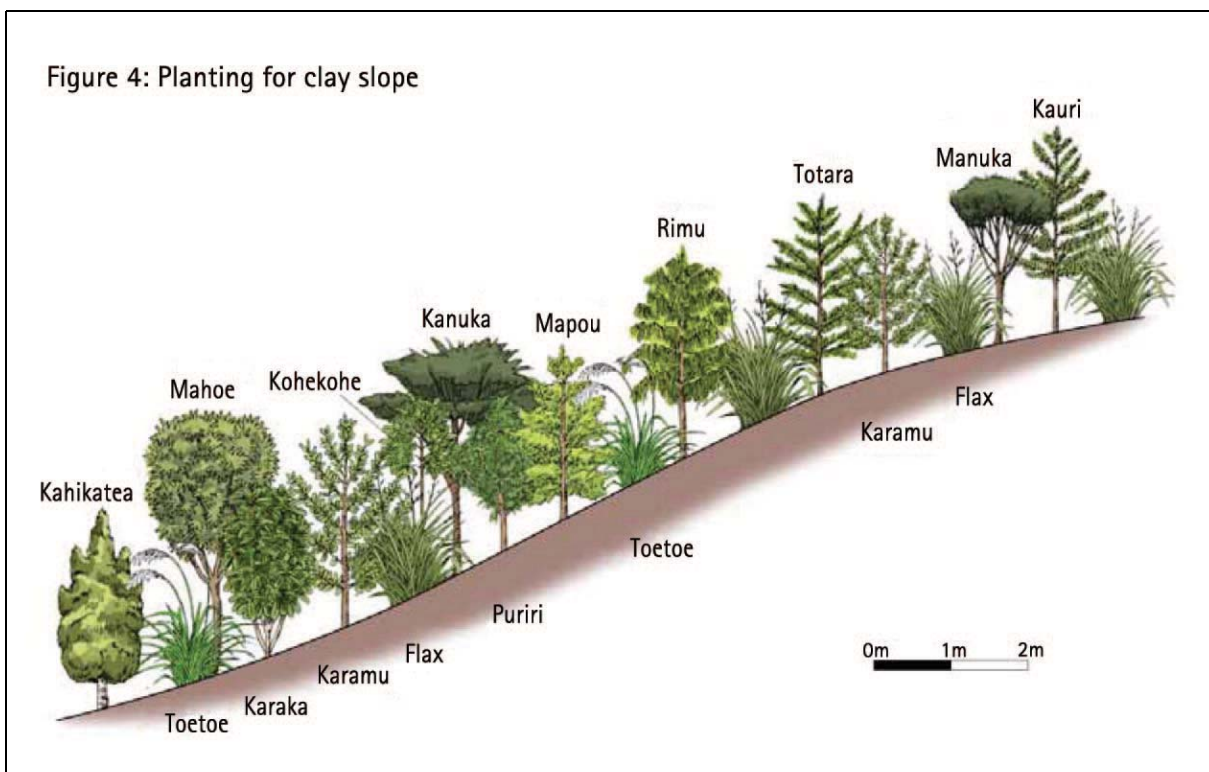
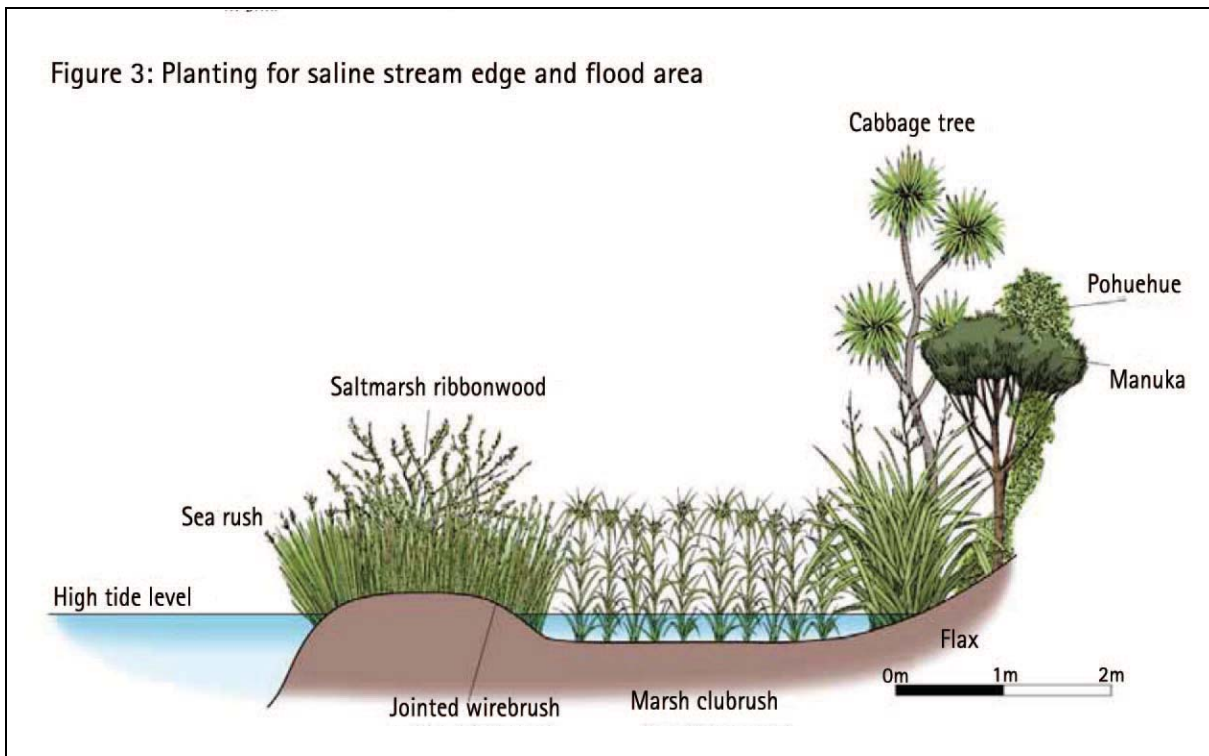
Maori name	Common name	Scientific name	Resists fire	Suitable for effluent disposal fields	Suitable for general erosion control and bank stabilisation	Suitable for coastal, saltmarsh saline stream margins and flood areas	Suitable for wetlands / swamps and stream margins
Wiwī		<i>Leptocarpus similis</i>				✓ saline stream edge	
	Five finger	<i>Pseudopanax arboreus</i>	✓				
	Flat leaved sedge	<i>Carex dissata</i>			✓ foliage protects soil surface		✓ stream banks
	Salt marsh ribbonwood	<i>Plagianthus divircatus</i>				✓ lowest saline edges	
	Veined coprosma	<i>Coprosma areolata</i>		✓ moist			✓ moist edges
	Wetland sedge	<i>Carex virgata</i>			✓ foliage protects soil surface		✓ standing water / moist edges
	Wetland sedge	<i>Carex dissata</i>					✓ standing water / moist edges
		<i>Hypolepis dicksonioides</i>		✓ moist drained			✓ moist edges

✓ indicates the most suitable plant for the type of situation.

\* indicates the plant appears in the publication *Greening our Gulf Islands* – see references.







Images from Auckland Regional Council, *Riparian Zone Management - Planting Guide*.