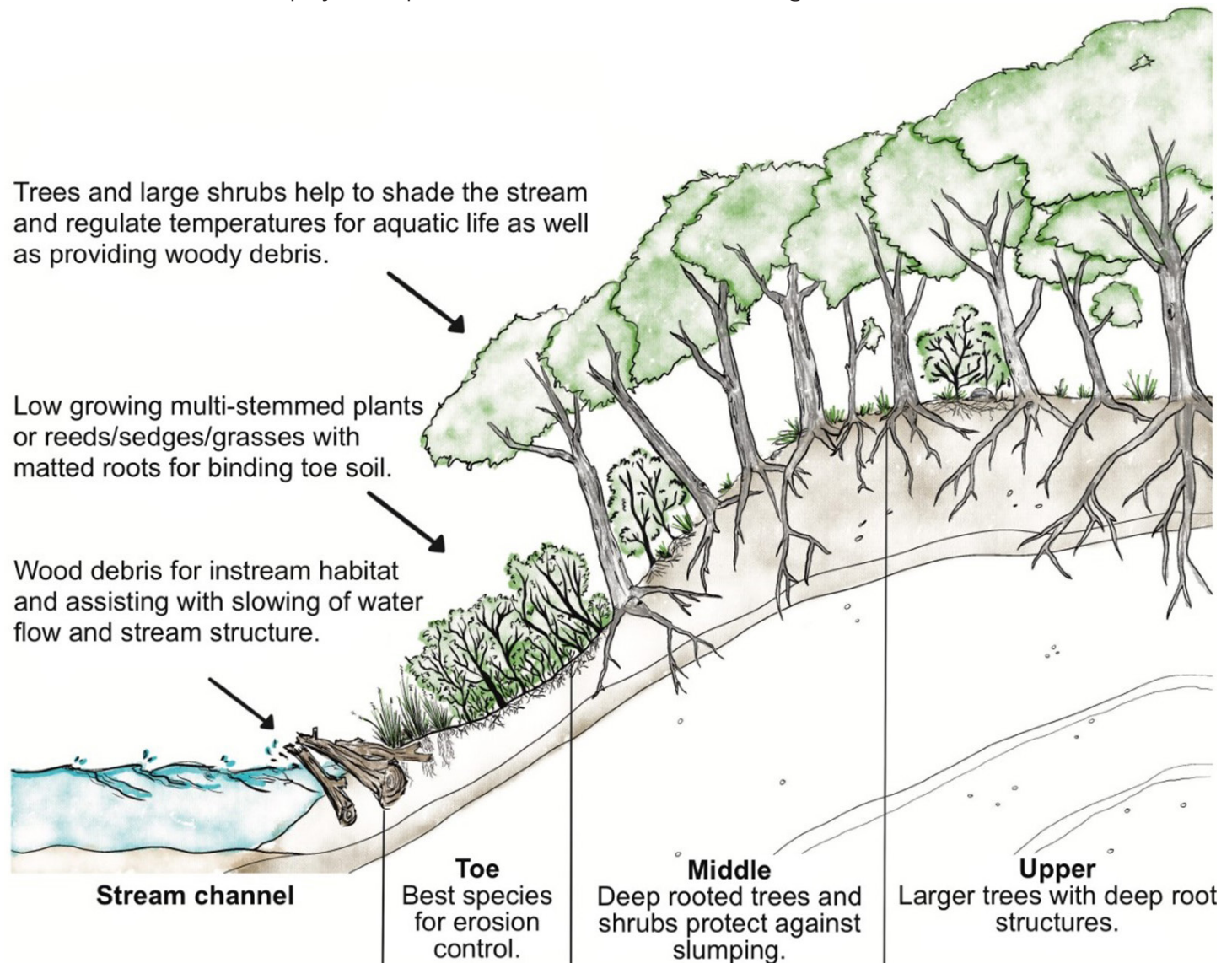


# Hawkesbury catchment species selection guide

## Factsheet

A healthy riparian zone can armour the stream banks against erosion, slow the flow of water during high flow events and supply the waterway with vital woody debris for in-stream habitat and strength. A broad diversity of riparian vegetation will provide the best soil binding capacity with the combination of different root structures.

When planting, it's important to match the plants to the area of the riverbank where they belong – from the top of the bank to the toe where each plays an important but different role in stabilising the bank.



# How to use the following species lists

First, find the species list that matches your zone of the river. Each species list contains plants that belong in the estuarine, brackish or fresh parts of the river.

Next, focus on which species belong where on the bank from the top of bank to the toe.

Estuary or Estuarine refers to the coastal water body where fresh water from the river's upper catchment mixes with the salt water from the ocean.

Fresh is at the top of the catchment. Brackish is where the fresh water meets estuarine water — less salty than estuarine.

Stream	Toe	Middle	Upper
Lower Hawkesbury Estuary to Wisemans Ferry	<i>Avicennia marina</i> Grey mangrove	<i>Casuarina glauca</i> Swamp Oak	<i>Acacia parramattensis</i> Parramatta Green Wattle
	<i>Aegiceras corniculatum</i> River Mangrove	<i>Eucalyptus robusta</i> Swamp Mahogany	<i>Acmena Smithii</i> Lilly Pilly
	<i>Casuarina glauca</i> Swamp Oak	<i>Eucalyptus tereticornis</i> Forest Red Gum	<i>Alphitonia excelsa</i> Red Ash
	<i>Myoporum acuminatum</i> Mangrove Boobialla	<i>Melaleuca quinquenervia</i> Broad-leaved Paperbark	<i>Angophora floribunda</i> Rough-barked Apple
	<i>Carex appressa</i> Carex	<i>Melaleuca styphelioides</i> Prickly-leaved Paperbark	<i>Eucalyptus saligna Sydney</i> Blue Gum
	<i>Juncus usitatus</i> Common Rush	<i>Callistemon linearis</i> Narrow-leaved Bottlebrush	<i>Eucalyptus pilularis</i> Blackbutt
	<i>Juncus kraussii</i> Sea Rush	<i>Cuscuta australis</i> Australian Dodder	<i>Ficus rubiginosa</i> Port Jackson Fig
	<i>Typha orientalis</i> Bulrush	<i>Duboisia myoporoides</i> Corkwood	<i>Glochidion ferdinandi</i> Cheese Tree
	<i>Phragmites australis</i> Common Reed	<i>Goodenia ovata</i> Hop Goodenia	<i>Syncarpia glomulifera</i> Turpentine
	<i>Tetragonia tetragonioides</i> Warrigal Greens	<i>Leptospermum juniperinum</i> Prickly Tea Tree	<i>Backhousia myrtifolia</i> Grey Myrtle
	<i>Ranunculus plebeius</i> Australian Buttercup	<i>Bursaria spinosa</i> Native Blackthorn	
	<i>Oplismenus imbecillis</i> Basket Grass	<i>Duboisia myoporoides</i> Corkwood	
	<i>Sporobolus virginicus</i> Sand Couch	<i>Einadia hastata</i> Berry Saltbush	
	<i>Zoysia macrantha</i> Coast Couch	<i>Eupomatia laurina</i> Native Guava	

Stream	Toe	Middle	Upper
			<p><b><i>Goodenia ovata</i></b> Hop Goodenia</p> <p><b><i>Hibiscus heterophyllus</i></b> Native Rosella</p> <p><b><i>Hymenanthera dentata</i></b> Tree Violet</p> <p><b><i>Notelaea longifolia</i></b> Mock Olive</p> <p><b><i>Pittosporum revolutum</i></b> Rough Fruit Pitto</p> <p><b><i>Trema aspera</i></b> Native Peach</p> <p><b><i>Agrostis avenacea</i></b> Blown Grass</p> <p><b><i>Microlaena stipoides</i></b> Weeping Grass</p> <p><b><i>Oplismenus aemulus</i></b> Shade Grass</p> <p><b><i>Themeda australis</i></b> Kangaroo Grass</p>
<p><b>Lower Hawkesbury floodplain</b> Wisemans Ferry to Sackville Ferry</p>	<p><b><i>Casuarina cunninghamiana</i></b> River Oak</p> <p><b><i>Ficus coronata</i></b> Creek Sandpaper Fig</p> <p><b><i>Leptospermum polygalifolium</i></b> Lemon Scented Tea Tree</p> <p><b><i>Agrostis avenacea</i></b> Blown Grass</p> <p><b><i>Paspalum distichum</i></b> Water Couch</p> <p><b><i>Juncus kraussii</i></b> Sea Rush</p> <p><b><i>Juncus usitatus</i></b> Common Rush</p> <p><b><i>Phragmites australis</i></b> Common Reed</p>	<p><b><i>Acacia parramattensis</i></b> Parramatta Green Wattle</p> <p><b><i>Acmena Smithii</i></b> Lilly Pilly</p> <p><b><i>Ficus coronata</i></b> Creek Sandpaper Fig</p> <p><b><i>Leptospermum Polygalifolium</i></b> Lemon Scented Tea Tree</p> <p><b><i>Melaleuca linariifolia</i></b> Narrow-leaved paperbark</p> <p><b><i>Trema aspera</i></b> Native Peach</p> <p><b><i>Backhousia myrtifolia</i></b> Grey Myrtle</p> <p><b><i>Bursaria spinosa</i></b> Native Blackthorn</p>	<p><b><i>Acacia parramattensis</i></b> Parramatta Green Wattle</p> <p><b><i>Acmena Smithii</i></b> Lilly Pilly</p> <p><b><i>Alphitonia excelsa</i></b> Red Ash</p> <p><b><i>Casuarina cunninghamiana</i></b> River Oak</p> <p><b><i>Angophora floribunda</i></b> Rough-barked Apple</p> <p><b><i>Eucalyptus saligna</i></b> Sydney Blue Gum</p> <p><b><i>Eucalyptus robusta</i></b> Swamp Mahogany</p> <p><b><i>Eucalyptus deanei</i></b> Mountain Blue Gum</p>

Stream	Toe	Middle	Upper
	<i>Eleocharis sphacelate</i> Tall Spike Rush	<i>Duboisia myoporoides</i> Corkwood	<i>Ficus rubiginosa</i> Port Jackson Fig
		<i>Einadia hastata</i> Berry Saltbush	<i>Ficus coronata</i> Creek Sandpaper Fig
		<i>Pittosporum revolutum</i> Rough Fruit Pitto	<i>Glochidion ferdinandi</i> Cheese Tree
		<i>Eupomatia laurina</i> Native Guava	<i>Syncarpia glomulifera</i> Turpentine
		<i>Goodenia ovata</i> Hop Goodenia	<i>Leptospermum polygalifolium</i> Lemon Scented Tea Tree
		<i>Hibiscus heterophyllus</i> Native Rosella	<i>Backhousia myrtifolia</i> Grey Myrtle
		<i>Hymenanthera dentata</i> Tree Violet	<i>Bursaria spinosa</i> Native Blackthorn
		<i>Agrostis avenacea</i> Blown Grass	<i>Duboisia myoporoides</i> Corkwood
		<i>Microlaena stipoides</i> Weeping Grass	<i>Einadia hastata</i> Berry Saltbush
		<i>Oplismenus aemulus</i> Shade Grass	<i>Hibiscus heterophyllus</i> Native Rosella
			<i>Hymenanthera dentata</i> Tree Violet
			<i>Notelaea longifolia</i> Mock Olive
			<i>Pittosporum revolutum</i> Rough Fruit Pitto
			<i>Trema aspera</i> Native Peach
			<i>Agrostis avenacea</i> Blown Grass
			<i>Microlaena stipoides</i> Weeping Grass
			<i>Oplismenus aemulus</i> Shade Grass

Stream	Toe	Middle	Upper
Richmond – Windsor floodplain Sackville Ferry to Yarramundi	<i>Acacia floribunda</i> Sally Wattle	<i>Acacia binerva</i> Coast Myall	<i>Acacia binerva</i> Coast Myall
	<i>Acacia longifolia</i> Sydney Golden Wattle	<i>Acacia floribunda</i> Sally Wattle	<i>Acmena smithii</i> Lilly Pilly
	<i>Casuarina cunninghamiana</i> River Oak	<i>Acacia longifolia</i> Sydney Golden Wattle	<i>Angophora bakeri</i> Narrow-leaved Apple
	<i>Casuarina glauca</i> Swamp Oak	<i>Angophora floribunda</i> Rough-barked Apple	<i>Angophora floribunda</i> Rough-barked Apple
	<i>Ficus coronata</i> Creek Sandpaper Fig	<i>Casuarina cunninghamiana</i> River Oak	<i>Eucalyptus amplifolia</i> Cabbage Gum
	<i>Leptospermum polygalifolium</i> Lemon Scented Tea Tree	<i>Casuarina glauca</i> Swamp Oak	<i>Eucalyptus deanei</i> Mountain Blue Gum
	<i>Melaleuca styphelioides</i> Prickly-leaved Paperbark	<i>Melaleuca decora</i> White Honey Myrtle	<i>Eucalyptus robusta</i> Swamp Mahogany
	<i>Tristaniopsis laurina</i> Water Gum	<i>Melaleuca linariifolia</i> Narrow-leaved paperbark	<i>Eucalyptus saligna</i> Sydney Blue Gum
	<i>Carex appressa</i> Carex	<i>Tristaniopsis laurina</i> Water Gum	<i>Eucalyptus tereticornis</i> Forest Red Gum
	<i>Cyperus exaltatus</i> Tall Flat Sedge	<i>Backhousia myrtifolia</i> Grey Myrtle	<i>Ficus rubiginosa</i> Port Jackson Fig
	<i>Lomandra longifolia</i> Mat Rush	<i>Breynia oblongifolia</i> Breynia	<i>Glochidion ferdinandi</i> Cheese Tree
	<i>Juncus Kraussii</i> Sea Rush	<i>Callicoma serratifolia</i> Black Wattle	<i>Melaleuca decora</i> White Honey Myrtle
	<i>Juncus usitatus</i> Common Rush	<i>Callistemon salignus</i> Willow Bottlebrush	<i>Melaleuca linariifolia</i> Narrow-leaved paperbark
<i>Cyperus polystachyos</i> Bunchy Sedge	<i>Clerodendrum tomentosum</i> Hairy Clerodendrum	<i>Melia azedarach</i> White Cedar	
	<i>Grevillea mucronulata</i> Green Spider Flower	<i>Syncarpia glomulifera</i> Turpentine	
	<i>Hymenanthera denata</i> Tree Violet	<i>Tristaniopsis laurina</i> Water Gum	
	<i>Leptospermum polygalifolium</i> Lemon Scented Tea Tree	<i>Acacia floribunda</i> Sally Wattle	

Stream	Toe	Middle	Upper
		<i>Melaleuca styphelioides</i> Prickly-leaved Paperbark	<i>Acacia longifolia</i> Sydney Golden Wattle
		<i>Trema aspera</i> Native Peach	<i>Backhousia myrtifolia</i> Grey Myrtle
		<i>Agrostis avenacea</i> Blown Grass	<i>Breynia oblongifolia</i> Breynia
		<i>Commelina cyanea</i> Scurvy Weed	<i>Callicoma serratifolia</i> Black Wattle
		<i>Lomandra Longifolia</i> Mat Rush	<i>Callistemon salignus</i> Willow Bottlebrush
		<i>Microlaena stipoides</i> Weeping Grass	<i>Clerodendrum tomentosum</i> Hairy Clerodendrum
		<i>Oplismenus aemulus</i> Shade Grass	<i>Grevillea mucronulata</i> Green Spider Flower
			<i>Hymenanthera denata</i> Tree Violet
			<i>Leptospermum polygalifolium</i> Lemon Scented Tea Tree
			<i>Melaleuca styphelioides</i> Prickly-leaved Paperbark
			<i>Trema tomentosa</i> Poison Peach
			<i>Agrostis avenacea</i> Blown Grass
			<i>Commelina cyanea</i> Scurvy Weed
			<i>Lomandra longifolia</i> Mat Rush
			<i>Microlaena stipoides</i> Weeping Grass
			<i>Oplismenus aemulus</i> Shade Grass

Stream	Toe	Middle	Upper
Penrith floodplain Yarramundi to Regentville	<i>Casuarina cunninghamiana</i> River Oak	<i>Acacia binervia</i> Coast Myall	<i>Acacia binervia</i> Coast Myall
	<i>Ficus coronata</i> Creek Sandpaper Fig	<i>Acacia implexa</i> Hickory Wattle	<i>Acacia implexa</i> Hickory Wattle
	<i>Carex appressa</i> Carex	<i>Acacia parvipinnula</i> Silver-stemmed Wattle	<i>Acacia parramattensis</i> Parramatta Green Wattle
	<i>Lomandra longifolia</i> Mat Rush	<i>Allocasuarina torulosa</i> Forest Oak	<i>Acacia parvipinnula</i> Silver-stemmed Wattle
	<i>Cyperus exaltatus</i> Tall Flat Sedge	<i>Casuarina cunninghamiana</i> River Oak	<i>Allocasuarina torulosa</i> Forest Oak
	<i>Phragmites australis</i> Common Reed	<i>Ficus coronata</i> Creek Sandpaper Fig	<i>Angophora subvelutina</i> Broad-leaved Apple
	<i>Juncus usitatus</i> Common Rush	<i>Trema aspera</i> Native Peach	<i>Casuarina cunninghamiana</i> River Oak
	<i>Paspalum distichum</i> Water Couch	<i>Acacia floribunda</i> Sally Wattle	<i>Eucalyptus agglomerate</i> Blue-leaved Stringy bark
		<i>Breynia oblongifolia</i> Breynia	<i>Eucalyptus deanei</i> Mountain Blue Gum
		<i>Clerodendrum tomentosum</i> Hairy Clerodendrum	<i>Eucalyptus saligna</i> Sydney Blue Gum
		<i>Pittosporum revolutum</i> Rough-fruit Pitto	<i>Eucalyptus tereticornis</i> Forest Red Gum
		<i>Pteridium esculentum</i> Bracken Fern	<i>Ficus coronata</i> Creek Sandpaper Fig
		<i>Lomandra longifolia</i> Mat Rush	<i>Glochidion ferdinandi</i> Cheese Tree
		<i>Microlaena stipoides</i> Weeping Grass	<i>Melia azedarach</i> White Cedar
<i>Oplismenus aemulus</i> Shade Grass		<i>Syncarpia glomulifera</i> Turpentine	
<i>Agrostis avenacea</i> Blown Grass	<i>Trema aspera</i> Native Peach		
<i>Imperata cylindrica</i> Blady Grass	<i>Acacia floribunda</i> Sally Wattle		
		<i>Breynia oblongifolia</i> Breynia	

Stream	Toe	Middle	Upper
			<p><b><i>Bursaria spinosa</i></b> Native Blackthorn</p> <p><b><i>Clerodendrum tomentosum</i></b> Hairy Clerodendrum</p> <p><b><i>Hibiscus heterophyllus</i></b> Native Rosella</p> <p><b><i>Pittosporum revolutum</i></b> Rough-fruit Pitto</p> <p><b><i>Pteridium esculentum</i></b> Bracken Fern</p> <p><b><i>Lomandra longifolia</i></b> Mat Rush</p> <p><b><i>Oplismenus aemulus</i></b> Shade Grass</p>

## Next steps

This is a general guide to species in the listed areas. It is not an exhaustive list but represents the more common plants used in revegetation projects which are usually available commercially. If you are confident with native plant identification, you could also use neighbouring or nearby existing remnant vegetation to guide your species selection.

Your local native plant nursery will be able to provide you with advice about other available species which may be appropriate to your site. This could include the introduction of locally threatened endemic plants which may be able to be included in your revegetation project to improve their chances of remaining viable in the wild.

Often the mangrove species will naturally regenerate on the toe within the estuarine zone when provided the appropriate conditions.

## Find out more

To find out more information about selecting species suitable for your local environment, speak with a Local Land Services staff member via 1300 795 299 or visit [www.lls.nsw.gov.au](http://www.lls.nsw.gov.au)

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