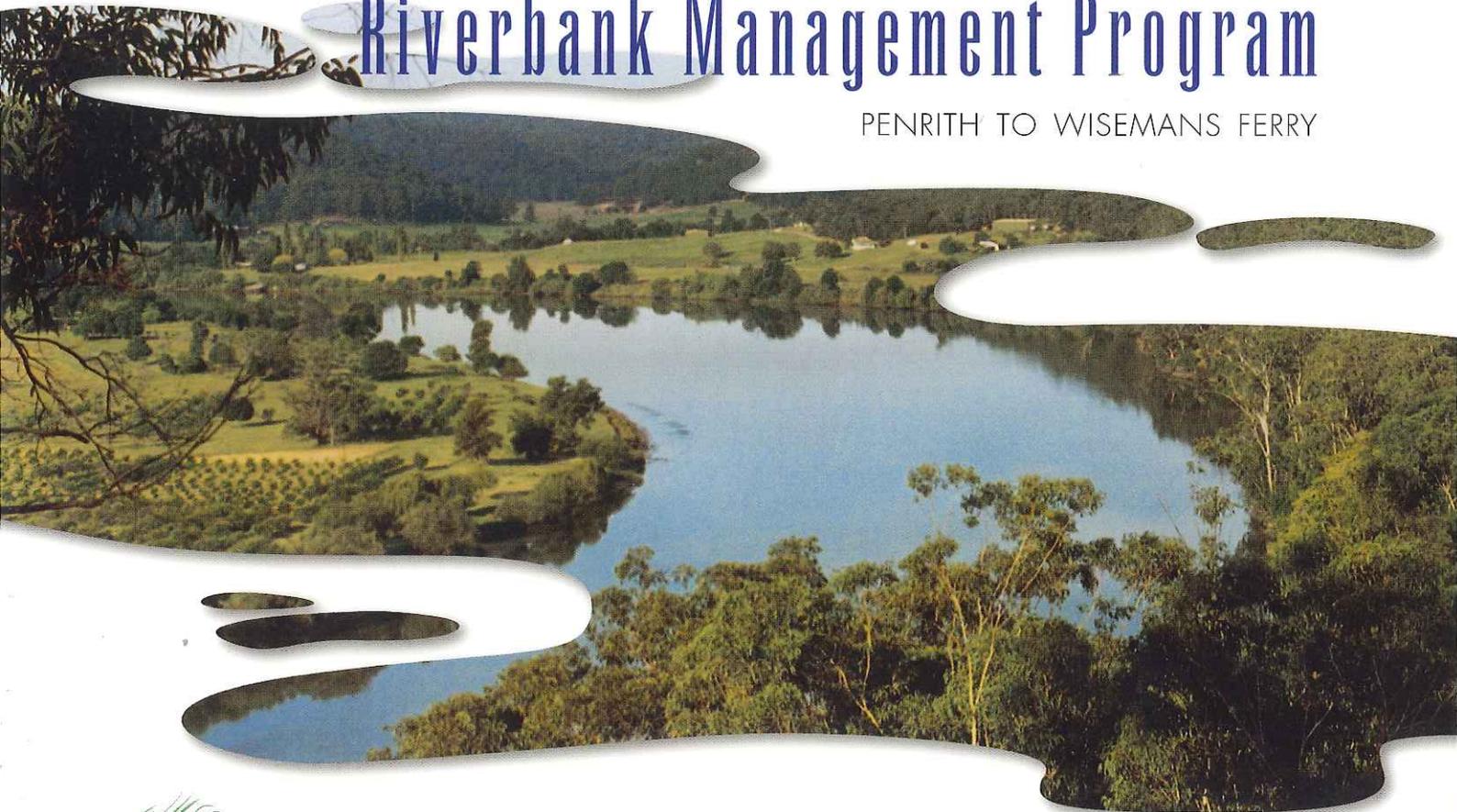


Riverbank Management Program

PENRITH TO WISEMANS FERRY

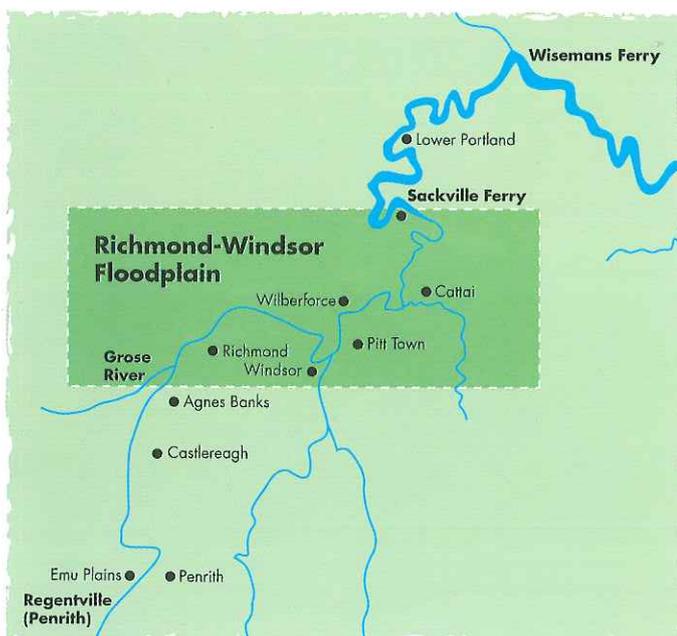


Riverbank planting guide: Richmond-Windsor floodplain

Information Sheet No. 4

This Information Sheet is one of a series contained in the Riverbank Management Program Information Package.

For copies phone 02 4577 4243.



What to plant where?

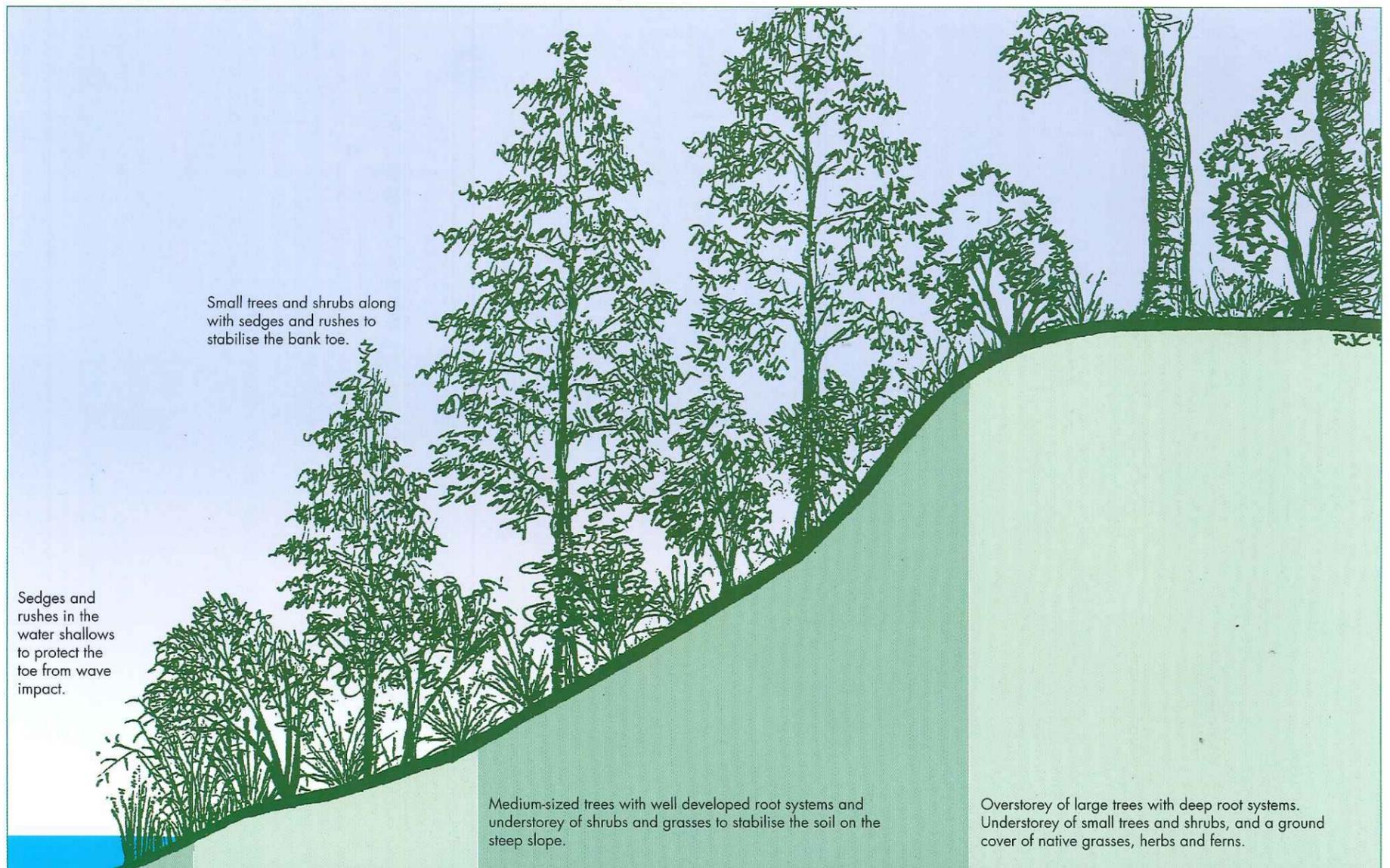
What is this guide and how do I use it?

Selecting the right plants to grow on the riverbank is a crucial factor in the success of a revegetation program. Native plants that occur naturally in the planting area are ideal for revegetation. They are adapted to the soil and climatic conditions of the area, need less maintenance than many introduced species and are best suited for restoring the habitat for native animals. Different plants grow on different sections of the River and this is an important factor to recognise when you are planning your revegetation.

This guide provides a simple reference to which plant species to plant on the Richmond-Windsor floodplain and also guides the placement of plants on the bank itself - from the waters edge to the top of the bank

There are three planting guides, one each for the Penrith, Richmond-Windsor and Lower Hawkesbury floodplains.

Riverbank planting guide: Richmond-Windsor floodplain



Water shallows	Toe of bank	Slope of bank	Top of bank and flood plain
<p>Aquatic species</p> <p><i>Bolboschoenus fluviatilis</i> <i>Carex appressa</i> <i>Eleocharis equisetina</i> <i>Eleocharis sphacelata</i> <i>Isolepis inundata</i> <i>Phragmites australis</i> <i>Typha orientalis</i> <i>Schoenoplectus mucronatus</i> <i>Schoenoplectus validus</i></p> <p>Semi-aquatic species</p> <p><i>Cyperus difformis</i> <i>Cyperus exaltatus</i> <i>Cyperus flaccidus</i> <i>Cyperus polystachyos</i> <i>Isolepis nodosa</i> <i>Juncus continuus</i> <i>Juncus kraussii</i> <i>Juncus planifolius</i> <i>Juncus prismatocarpus</i> <i>Juncus usitatus</i> <i>Phragmites australis</i> <i>Paspalum distichum</i> <i>Persicaria strigosa</i></p>	<p>Shrubs and trees</p> <p><i>Acacia floribunda</i> (Sally Wattle) <i>Acacia longifolia</i> (Sydney Golden Wattle) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Casuarina glauca</i> (Swamp Oak) <i>Ficus coronata</i> (Sandpaper Fig) <i>Leptospermum polygalifolium</i> (Lemon-scented Tea Tree) <i>Melaleuca styphelioides</i> (Prickly-leaved Paperbark) <i>Tristaniopsis laurina</i> (Water Gum)</p> <p>Ground level</p> <p><i>Cyperus difformis</i> <i>Cyperus exaltatus</i> <i>Cyperus flaccidus</i> <i>Cyperus polystachyos</i> <i>Hemarthria uncinata</i> <i>Hypolepsis muelleri</i> <i>Lomandra longifolia</i></p>	<p>Canopy</p> <p><i>Acacia binerva</i> (Coast Myall) <i>Angophora floribunda</i> (Rough-barked Apple) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Casuarina glauca</i> (Swamp Oak) <i>Melaleuca decora</i> (White Honey Myrtle) <i>Melaleuca linariifolia</i> (Snow in Summer) <i>Tristaniopsis laurina</i> (Water Gum)</p> <p>Understorey</p> <p><i>Acacia floribunda</i> (Sally Wattle) <i>Acacia longifolia</i> (Sydney Golden Wattle) <i>Backhousia myrtifolia</i> (Grey Myrtle) <i>Baeckea virgata</i> (Baeckea) <i>Breynia oblongifolia</i> (Breynia) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Callicoma serratifolia</i> (Black Wattle) <i>Callistemon salignus</i> (Willow Bottlebrush) <i>Clerodendrum tomentosum</i> (Hairy Clerodendrum) <i>Grevillea mucronulata</i> (Green Spider Flower) <i>Hymenanthera dentata</i> (Tree Violet) <i>Leptospermum polygalifolium</i> (Lemon-scented Tea Tree) <i>Melaleuca styphelioides</i> (Prickly-leaved Paperbark) <i>Trema aspera</i> (Native Peach)</p> <p>Ground level</p> <p><i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Commelina cyanea</i> <i>Entolasia stricta</i> <i>Imperata cylindrica</i> <i>Lomandra longifolia</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Pteridium esculentum</i> <i>Stipa verticillata</i></p>	<p>Canopy</p> <p><i>Acacia binerva</i> (Coast Myall) <i>Acmena smithii</i> (Lilly-Pilly) <i>Angophora bakeri</i> (Narrow-leaved Apple) <i>Angophora floribunda</i> (Rough-barked Apple) <i>Eucalyptus amplifolia</i> (Cabbage Gum) <i>Eucalyptus deanei</i> (Mountain Bluegum) <i>Eucalyptus robusta</i> (Swamp Mahogany) <i>Eucalyptus saligna</i> (Sydney Blue Gum) <i>Eucalyptus tereticornis</i> (Forest Red Gum) <i>Ficus rubiginosa</i> (Port Jackson Fig) <i>Glochidion ferdinandi</i> (Cheese Tree) <i>Melaleuca decora</i> (White Honey Myrtle) <i>Melaleuca linariifolia</i> (Snow in Summer) <i>Melia azedarach</i> (White Cedar) <i>Syncarpia glomulifera</i> (Turpentine) <i>Tristaniopsis laurina</i> (Water Gum)</p> <p>Understorey</p> <p><i>Acacia floribunda</i> (Sally Wattle) <i>Acacia longifolia</i> (Sydney Golden Wattle) <i>Acacia parramattensis</i> (Parramatta Green Wattle) <i>Backhousia myrtifolia</i> (Grey Myrtle) <i>Baeckea virgata</i> (Baeckea) <i>Breynia oblongifolia</i> (Breynia) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Callicoma serratifolia</i> (Black Wattle) <i>Callistemon salignus</i> (Willow Bottlebrush) <i>Clerodendrum tomentosum</i> (Hairy Clerodendrum) <i>Dodonaea triquetra</i> (Common Hop Bush) <i>Grevillea mucronulata</i> (Green Spider Flower) <i>Hymenanthera dentata</i> (Tree Violet) <i>Leptospermum polygalifolium</i> (Lemon Tea Tree) <i>Melaleuca styphelioides</i> (Prickly-leaved Paperbark) <i>Rapanea variabilis</i> (Mutton Wood) <i>Trema aspera</i> (Native Peach)</p> <p>Ground level</p> <p><i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Commelina cyanea</i> <i>Entolasia stricta</i> <i>Imperata cylindrica</i> <i>Lomandra longifolia</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Pteridium esculentum</i> <i>Stipa verticillata</i></p>

Native Riverbank Plants: Richmond-Windsor floodplain

Botanical name	Common name	Growth form	Height	Suggested mode of operation
<i>Acacia binerva</i>	Coast Myall	Tree	to 5m	Heat treated seed
<i>Acacia floribunda</i>	Sally Wattle	Tree/shrub	2 – 10m	Heat treated seed
<i>Acacia longifolia</i>	Sydney Golden Wattle	Tree/shrub	3 – 4m	Seed
<i>Acacia parramattensis</i>	Parramatta Green Wattle	Tree/shrub	to 8m	Heat treated seed
<i>Acmena smithii</i>	Lilly Pilly	Tree/shrub	to 20m	Cuttings or fresh seed
<i>Adiantum aethiopicum</i>	Maidenhair Fern	Fern	15 – 40cm	Transplant
<i>Agrostis avenacea</i>	Blown Grass	Grass	to 80cm	Seed
<i>Angophora bakeri</i>	Narrow-leaved Apple	Tree	2 – 10m	Seed
<i>Angophora floribunda</i>	Rough-barked Apple	Tree	15m	Seed
<i>Backhousia myrtifolia</i>	Grey Myrtle	Tree/shrub	3 – 4m	Seed or cuttings
<i>Baeckea virgata</i>	Baeckea	Shrub	2 – 4m	Seed or cuttings
<i>Bolboschoenus fluviatilis</i>	Marsh Clubrush	Rush	to 1m	Division or transplant tubers
<i>Breynia oblongifolia</i>	Breynia	Shrub	2 – 3m	Cuttings or seed
<i>Bursaria spinosa</i>	Native Blackthorn	Shrub	2 – 3m	Seed or cuttings
<i>Callicoma serratifolia</i>	Black Wattle	Tree/shrub	4 – 5m	Seed
<i>Callistemon salignus</i>	Willow Bottlebrush	Tree/shrub	3 – 4m	Seed or cuttings
<i>Carex appressa</i>	Carex	Sedge	70 – 100cm	Seed or division/transplant
<i>Casuarina cunninghamiana</i>	River She-oak	Tree	20 – 35m	Seed
<i>Casuarina glauca</i>	Swamp Oak	Tree/shrub	20m	Seed
<i>Clerodendrum tomentosum</i>	Hairy Clerodendrum	Tree/shrub	2 – 4m	Seed or cuttings
<i>Commelina cyanea</i>	Scurvy Weed	Herb	15cm	Stem cuttings
<i>Cyperus difformis</i>		Sedge	1m	Seed, cuttings or transplant
<i>Cyperus exaltatus</i>	Tall Flat Sedge	Sedge	1m	Seed, cuttings or transplant
<i>Cyperus flaccidus</i>		Sedge	1m	Seed, cuttings or transplant
<i>Cyperus polystachyos</i>		Sedge	1m	Seed, cuttings or transplant
<i>Dodonaea triquetra</i>	Common Hop Bush	Shrub	2m	Seed
<i>Eleocharis equisetina</i>	Spike Rush	Rush	1m	Division or fresh seed
<i>Eleocharis sphacelata</i>	Tall Spike Rush	Rush	2m	Division or fresh seed
<i>Entolasia stricta</i>	Wiry Panic	Grass	30cm	Seed
<i>Eucalyptus amplifolia</i>	Cabbage Gum	Tree	15m	Seed
<i>Eucalyptus deanei</i>	Mountain Bluegum	Tree	to 50m	Seed
<i>Eucalyptus robusta</i>	Swamp Mahogany	Tree	20 – 30m	Seed
<i>Eucalyptus saligna</i>	Sydney Blue Gum	Tree	30 – 50m	Seed
<i>Eucalyptus tereticornis</i>	Forest Red Gum	Tree	30 – 40m	Seed
<i>Ficus coronata</i>	Sandpaper Fig	Tree	3 – 4m	Fresh seed or cuttings
<i>Ficus rubiginosa</i>	Port Jackson Fig	Tree	4 – 10m	Fresh seed or cuttings
<i>Glochidion ferdinandi</i>	Cheese Tree	Tree/shrub	4 – 8m	Seed or cuttings
<i>Grevillea mucronulata</i>	Green Spider Flower	Shrub	1 – 2m	Cuttings or seed
<i>Hemarthria uncinata</i>	Mat Grass	Grass	30 – 80cm	Seed
<i>Hymenanthera dentata</i>	Tree Violet	Shrub	3m	Seed
<i>Hypolepis muelleri</i>	Harsh Ground Fern	Fern	30 – 100cm	Transplant
<i>Imperata cylindrica</i>	Blady Grass	Grass	1m	Seed
<i>Isolepis inundata</i>	Swamp Club Rush	Rush	30cm	
<i>Isolepis nodosa</i>	Knobby Club Rush	Rush	70cm	
<i>Juncus continuus</i>		Rush	60 – 100cm	Seed or division
<i>Juncus kraussii</i>	Sea Rush	Rush	1 – 2m	Seed or division
<i>Juncus planifolius</i>	Broad-leaf Rush	Rush	40cm	Seed or division
<i>Juncus prismatocarpus</i>	Branching Rush	Rush	20 – 40cm	Seed or division
<i>Juncus usitatus</i>	Common Rush	Rush	1m	Seed or division
<i>Leptospermum polygalifolium</i>	Lemon-scented Tea Tree	Shrub	2.5m	Seed
<i>Lomandra longifolia</i>	Mat Rush	Rush	1.5m	Seed or division of clumps
<i>Melaleuca decora</i>	White Honey Myrtle	Tree/shrub	6 – 20m	Seed
<i>Melaleuca linariifolia</i>	Snow in Summer	Tree/shrub	8m	Seed
<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	Tree/shrub	6 – 15m	Seed
<i>Melia azedarach</i>	White Cedar	Tree	3 – 8m	Seed
<i>Microlaena stipoides</i>	Weeping Grass	Grass	15 – 70cm	Seed
<i>Oplismenus aemulus</i>	Basket Grass	Grass	20cm	Seed
<i>Paspalum distichum</i>	Water Couch	Grass	20cm	Transplant
<i>Persicaria strigosa</i>	Spotted Knotweed	Herb	1m	Seed or cuttings
<i>Phragmites australis</i>	Common Reed	Reed	2m	Seed, cuttings or tubers
<i>Pteridium esculentum</i>	Bracken Fern	Fern	1 – 1.5m	Transplant
<i>Rapanea variabilis</i>	Mutton Wood	Tree/shrub	2 – 3m	Seed or cuttings
<i>Schoenoplectus mucronatus</i>		Rush	40 – 70cm	Seed or division of clumps
<i>Schoenoplectus validus</i>	River Club Rush	Rush	1.5m	Seed or division of clumps
<i>Stipa verticillata</i>	Slender Bamboo Grass	Grass	2m	Seed or transplant
<i>Syncarpia glomulifera</i>	Turpentine	Tree	40m	Seed or transplant
<i>Trema aspera</i>	Native Peach	Tree/shrub	3 – 6m	Seed
<i>Tristaniopsis laurina</i>	Water Gum	Tree	4 – 10m	Seed or cuttings
<i>Typha orientalis</i>	Bullrush, Cumbungi	Rush	2 – 3m	Division and transplant



The Riverbank Management Program aims to assist landholders to better understand current riverbank problems and how to address them. This Information Sheet is one of a series contained in the Riverbank Management Program Information Package that provides information and practical guidance on better riverbank management. The Program also includes the development of local demonstration sites showing different riverbank management techniques. Reducing the rate of erosion and improving the native vegetation cover and habitat value of riverbanks will lead to improvements in water quality and recreational amenity and increased attractiveness and scenic quality of riverside areas.

The Program is a partnership between the Hawkesbury Nepean Catchment Management Trust, the Department of Land and Water Conservation and the community, assisted by a Natural Heritage Trust grant.

For more information contact:

Hawkesbury-Nepean Catchment Management Trust on 02 4577 4243 or

Catchment Manager, Department of Land and Water Conservation on 02 4722 1101

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