

THE HAWKESBURY-NEPEAN

Riverbank Management Program

PENRITH TO WISEMANS FERRY

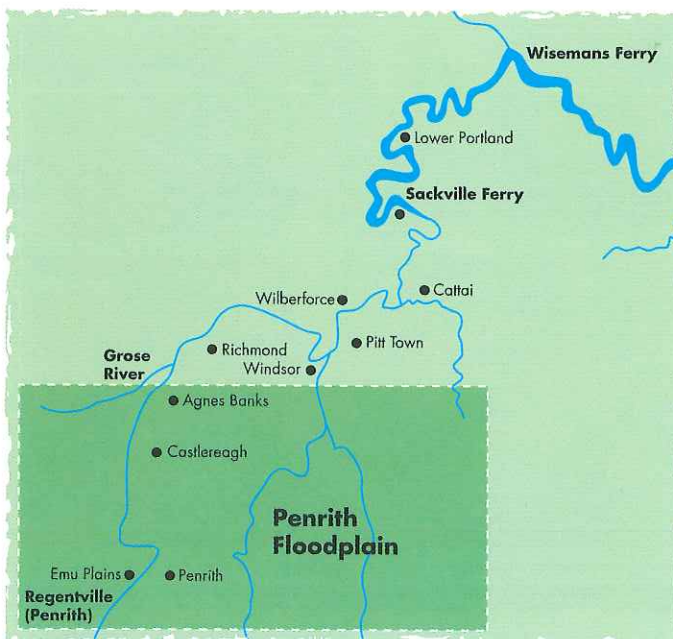


Riverbank planting guide: Penrith floodplain

Information Sheet No.3

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?

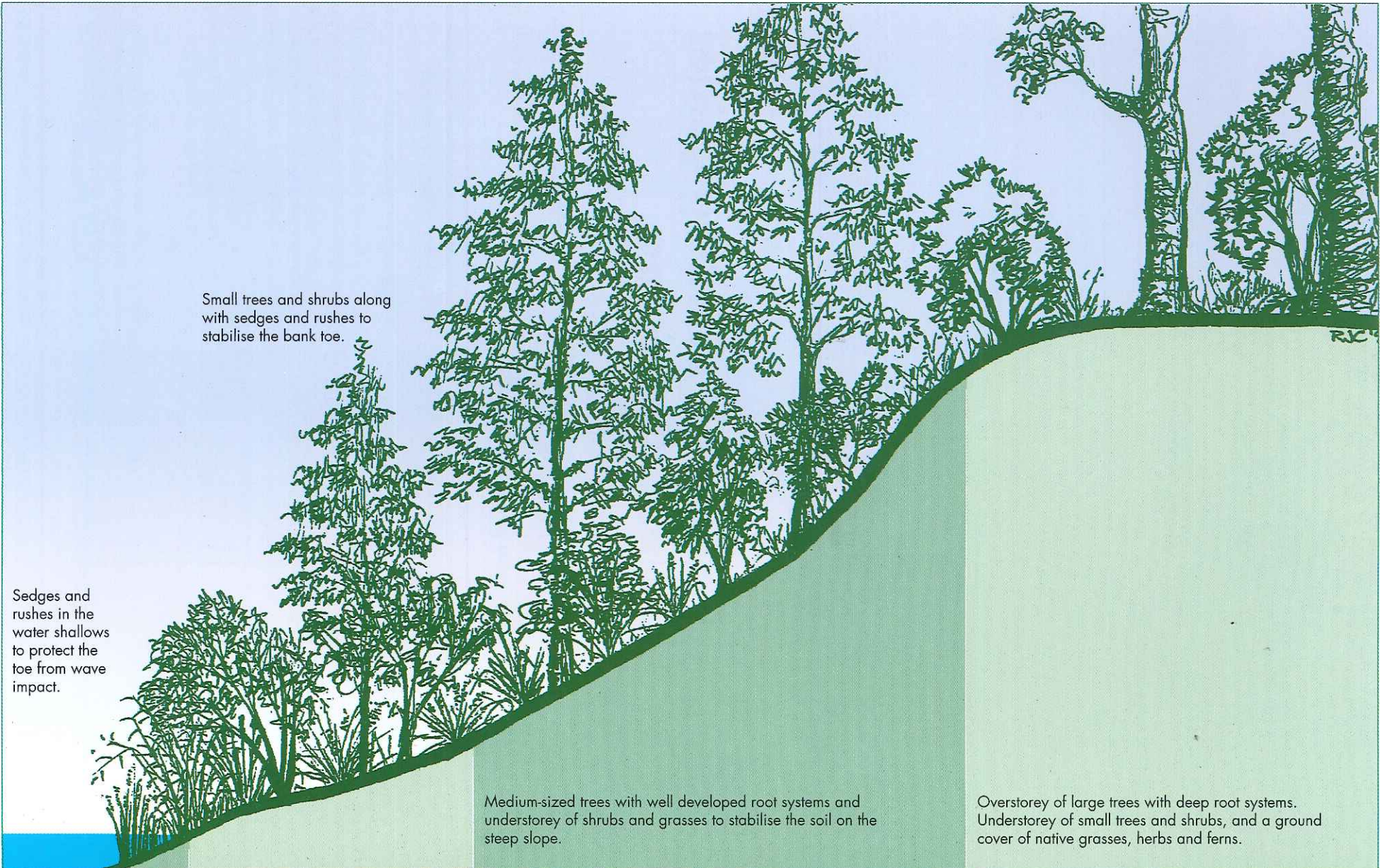
What is this guide and how do I use it?

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 Penrith 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: Penrith floodplain



Water shallows	Toe of bank	Slope of bank	Top of bank and flood plain
Aquatic species <i>Alisma plantago-aquatica</i> <i>Bolboschoenus fluviatilis</i> <i>Phragmites australis</i> <i>Schoenoplectus validus</i> <i>Typha orientalis</i>	Shrubs and trees <i>Casuarina cunninghamiana</i> (River She-oak) <i>Ficus coronata</i> (Sandpaper Fig)	Canopy <i>Acacia binervia</i> (Coast Myall) <i>Acacia implexa</i> (Hickory Wattle) <i>Acacia parvipinnula</i> (Silver-stemmed Wattle) <i>Allocasuarina turolosa</i> (Forest Oak) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Ficus coronata</i> (Sandpaper Fig) <i>Trema aspera</i> (Native Peach)	Canopy <i>Acacia binervia</i> (Coast Myall) <i>Acacia implexa</i> (Hickory Wattle) <i>Acacia parramattensis</i> (Parramatta Green Wattle) <i>Acacia parvipinnula</i> (Silver-stemmed Wattle) <i>Allocasuarina turolosa</i> (Forest Oak) <i>Angophora subvelutina</i> (Broad-leaved Apple) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Eucalyptus agglomerata</i> (Blue-leaved Stringy Bark) <i>Eucalyptus deanei</i> (Mountain Bluegum) <i>Eucalyptus punctata</i> (Grey Gum) <i>Eucalyptus saligna</i> (Sydney Blue Gum) <i>Eucalyptus tereticornis</i> (Forest Red Gum) <i>Ficus coronata</i> (Sandpaper Fig) <i>Glacidion ferdinandi</i> (Cheese Tree) <i>Melia azedarach</i> (White Cedar) <i>Syncarpia glomulifera</i> (Turpentine) <i>Trema aspera</i> (Native Peach)
Semi-aquatic species <i>Carex appressa</i> <i>Cyperus difformis</i> <i>Cyperus exaltatus</i> <i>Cyperus laevis</i> <i>Juncus bufonius</i> <i>Juncus usitatus</i> <i>Lomandra longifolia</i> <i>Paspalum distichum</i> <i>Persicaria decipiens</i> <i>Persicaria hydropiper</i> <i>Phragmites australis</i>	Ground level <i>Carex appressa</i> <i>Cyperus difformis</i> <i>Cyperus exaltatus</i> <i>Cyperus laevis</i> <i>Fimbristylis velata</i> <i>Lomandra longifolia</i> <i>Paspalum distichum</i> <i>Phragmites australis</i>	Understorey <i>Acacia floribunda</i> (Sally Wattle) <i>Breynia oblongifolia</i> (Breynia) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Clerodendrum tomentosum</i> (Hairy Clerodendrum) <i>Phyllanthus gastroemii</i> (Blunt Spurge) <i>Pittosporum revolutum</i> (Rough-fruit Pittosporum) <i>Pteridium esculentum</i> (Bracken Fern) Ground level <i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Imperata cylindrica</i> <i>Lomandra longifolia</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Persicaria decipiens</i> <i>Persicaria hydropiper</i> <i>Stipa ramosissima</i> <i>Stipa verticillata</i>	Understorey <i>Acacia floribunda</i> (Sally Wattle) <i>Breynia oblongifolia</i> (Breynia) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Clerodendrum tomentosum</i> (Hairy Clerodendrum) <i>Hibiscus heterophyllus</i> (Native Rosella) <i>Phyllanthus gastroemii</i> (Blunt Spurge) <i>Pittosporum revolutum</i> (Rough-fruit Pittosporum) <i>Pteridium esculentum</i> (Bracken Fern) <i>Pteris tremula</i> (Tender Brake Fern) Ground level <i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Cheilanthes sieberi</i> <i>Commelina cyanea</i> <i>Echinopogon caespitosus</i> <i>Imperata cylindrica</i> <i>Lomandra longifolia</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Paspalidium distans</i> <i>Poa labillardieri</i>

Native Riverbank Plants: Penrith floodplain

Botanical Name	Common Name	Growth Form	Height	Suggested Mode of Propagation
<i>Acacia binervia</i>	Coast Myall	Tree	To 5m	Heat treated seed
<i>Acacia floribunda</i>	Sally Wattle	Tree/shrub	2 – 10m	Heat treated seed
<i>Acacia implexa</i>	Hickory Wattle	Tree/shrub	4 – 10m	Seed
<i>Acacia parramattensis</i>	Parramatta Green Wattle	Tree/shrub	to 8m	Heat treated seed
<i>Acacia parvippinula</i>	Silver-stemmed Wattle	Tree	2.5 – 4m	Seed
<i>Adiantum aethiopicum</i>	Common Maidenhair Fern	Fern	15 – 40cm	Transplant
<i>Agrostis avenacea</i>	Blown Grass	Grass	to 80cm	Seed
<i>Alisma plantago-aquatica</i>	Water Plantain	Aquatic Herb	to 1m	Seed
<i>Allocasuarina turolosa</i>	Forest Oak	Tree	8 – 20m	Seed
<i>Angophora subvelutina</i>	Broad-leaved Apple	Tree	25m	Seed
<i>Bolboschoenus fluviatilis</i>	Marsh Clubrush	Rush	50 – 100cm	Division or transplant tuber.
<i>Breynia oblongifolia</i>	Breynia	Shrub	2 – 3m	Cutting or seed
<i>Bursaria spinosa</i>	Native Blackthorn	Shrub	2 – 3m	Seed or cuttings
<i>Carex appressa</i>		Sedge	70 – 100cm	Seed or division and transplant
<i>Casuarina cunninghamiana</i>	River She-Oak	Tree	20 – 35m	Seed
<i>Cheilanthes sieberi</i>	Mulga Fern	Fern		Transplant
<i>Clerodendrum tomentosum</i>	Hairy Clerodendrum	Tree/shrub	2 – 4m	Seed or cuttings
<i>Commelina cyanea</i>	Scurvy Weed	Creeper/herb		Stem cutting
<i>Cyperus difformis</i>		Sedge	30 – 50cm	Seed, cutting or transplant
<i>Cyperus exaltatus</i>	Tall Flat Sedge	Sedge	1m	Seed, cutting or transplant
<i>Cyperus laevis</i>		Sedge	1m	Seed, cutting or transplant
<i>Echinopogon caespitosus</i>	Tufted Hedgehog Grass	Grass	60 – 100cm	Seed
<i>Eucalyptus agglomerata</i>	Blue-leaved Stringy Bark	Tree	30 – 40m	Seed
<i>Eucalyptus deanei</i>	Mountain Bluegum	Tree	to 50m	Seed
<i>Eucalyptus punctata</i>	Grey Gum	Tree	35m	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>Fimbristylis velata</i>	Fringe Rush	Grass	to 1m	Seed
<i>Glochidion ferdinandi</i>	Cheese Tree	Tree	4 – 8m	Seed
<i>Hibiscus heterophyllus</i>	Native Rosella	Shrub	3 – 8m	Seed
<i>Imperata cylindrica</i>	Blady Grass	Grass	1m	Transplant or seed
<i>Juncus bufonius</i>		Rush	20 – 40cm	Seed or division and transplant
<i>Juncus usitatus</i>	Common Rush	Rush	1m	Seed or division and transplant
<i>Lomandra longifolia</i>	Mat Rush	Rush	to 2m	Seed or division of clumps
<i>Melia azedarach</i>	White Cedar	Tree	3 – 8m	Seed or cuttings
<i>Microlaena stipoides</i>	Weeping Grass	Grass	15 – 70cm	Seed or division and transplant
<i>Oplismenus aemulus</i>	Basket Grass	Grass		Seed or transplant
<i>Paspalidium distans</i>		Grass		Seed
<i>Paspalum distichum</i>	Water Couch	Grass		Fresh seed or transplant
<i>Persicaria decipiens</i>	Slender Knotweed	Herb	50 – 100cm	Seed
<i>Persicaria hydropiper</i>	Water Pepper	Herb	50 – 100cm	Seed
<i>Phragmites australis</i>	Common Reed	Reed	2m	Seed, cuttings or transplant rhizomes
<i>Phyllanthus gastroemii</i>	Blunt Spurge	Shrub	1 – 3m	Cuttings or seed
<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum	Shrub	1 – 3m	Seed
<i>Poa labillardieri</i>	Tussock Grass	Grass	60 – 100cm	Seed
<i>Pteridium esculentum</i>	Bracken Fern	Fern	1 – 1.5m	Transplant or seed
<i>Pteris tremula</i>	Tender Brake Fern	Fern	50 – 120cm	Transplant
<i>Schoenoplectus validus</i>	River Club Rush	Rush	1.5m	Seed or division and transplant
<i>Stipa ramosissima</i>	Stout Bamboo Grass	Grass	2m	Seed or transplant
<i>Stipa verticillata</i>	Slender Bamboo Grass	Grass	2m	Seed or transplant
<i>Syncarpia glomulifera</i>	Turpentine	Tree	40m	Seed
<i>Trema aspera</i>	Native Peach	Tree/shrub	3 – 6m	Seed
<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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Published 1999