

## Native Riverbank Plants: Penrith floodplain

Botanical Name	Common Name	Growth Form	Height	Suggested Mode of Propagation
<i>Acacia binervia</i>	Coast Wattle	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 parvipinnula</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 torulosa</i>	Forest Oak	Tree	8 – 20m	Seed
<i>Angophora subvelutina</i>	Broad-leaved Apple	Rush	25m	Division or transplant tuber.
<i>Bolboschoenus fluviatilis</i>	Marsh Clubrush	Shrub	50 – 100cm	Cutting or seed
<i>Breynia oblongifolia</i>	Breynia	Shrub	2 – 3m	Seed or cuttings
<i>Bursaria spinosa</i>	Native Blackthorn	Sedge	2 – 3m	Seed or division and transplant
<i>Carex appressa</i>		Tree	70 – 100cm	Seed
<i>Casuarina cunninghamiana</i>	River She-Oak	Fern	20 – 35m	Transplant
<i>Cheilanthes sieberi</i>	Mulga Fern	Tree/shrub	2 – 4m	Seed or cuttings
<i>Clerodendrum tomentosum</i>	Hairy Clerodendrum	Creeper/herb	30 – 50cm	Stem cutting
<i>Commelinia cyanea</i>	Scurvy Weed	Sedge	1m	Seed, cutting or transplant
<i>Cyperus difformis</i>	Tall Flat Sedge	Sedge	1m	Seed, cutting or transplant
<i>Cyperus exaltatus</i>		Grass	30 – 50cm	Seed, cutting or transplant
<i>Cyperus laevis</i>		Tree	60 – 100cm	Seed
<i>Echinopogon caespitosus</i>	Tufted Hedgehog Grass	Rush	30 – 40m	Seed
<i>Eucalyptus agglomerata</i>	Blue-leaved Stringy Bark	Tree	to 50m	Seed
<i>Eucalyptus deanei</i>	Mountain Bluegum	Tree	35m	Seed
<i>Eucalyptus punctata</i>	Grey Gum	Tree	30 – 50m	Seed
<i>Eucalyptus saligna</i>	Sydney Blue Gum	Tree	30 – 40m	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	Herb	50 – 100cm	Fresh seed or transplant
<i>Persicaria decipiens</i>	Slender Knotweed	Herb	50 – 100cm	Seed
<i>Persicaria hydropiper</i>	Water Pepper	Reed	2m	Seed
<i>Phragmites australis</i>	Common Reed	Shrub	1 – 3m	Seed, cuttings or transplant rhizomes
<i>Phyllanthus gasstroemii</i>	Blunt Spurge	Shrub	1 – 3m	Cuttings or seed
<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum	Tussock Grass	60 – 100cm	Seed
<i>Poa labillardieri</i>		Grass	1 – 1.5m	Seed
<i>Pteridium esculentum</i>	Bracken Fern	Fern	50 – 120cm	Transplant or seed
<i>Pteris tremula</i>	Tender Brake Fern	Fern	1.5m	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>Synarpa 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.



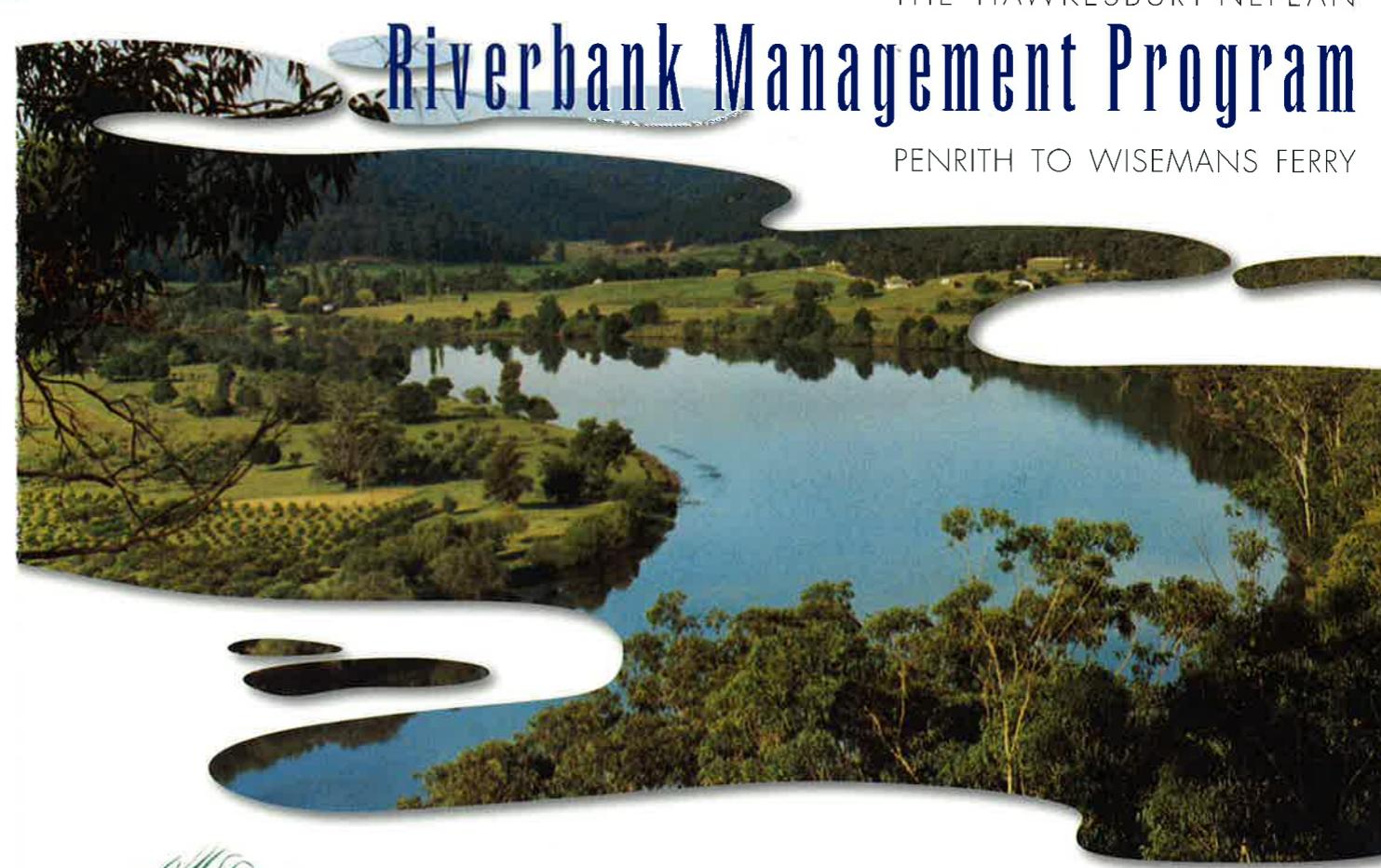
### For more information contact:

Hawkesbury-Nepean Catchment Management Trust on 02 4577 4243 or

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

Copyright Hawkesbury Nepean Catchment Management Trust and Department of Land and Water Conservation

Published 1999



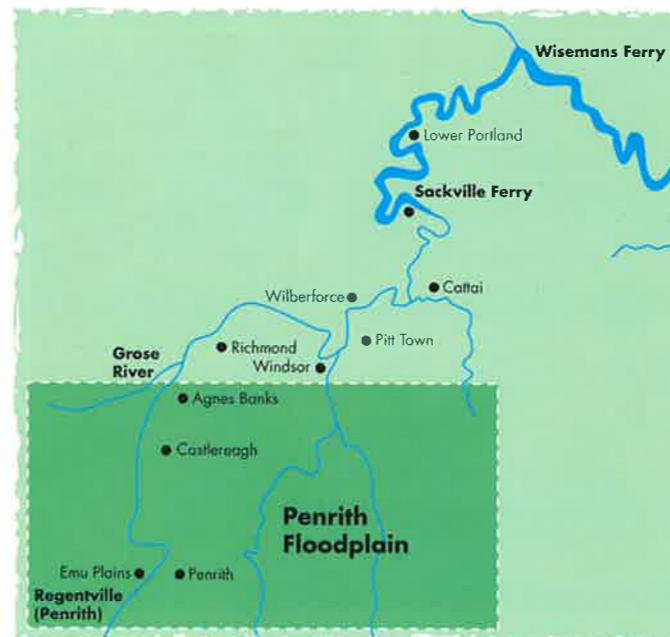
## Riverbank planting guide: Penrith floodplain



### 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?

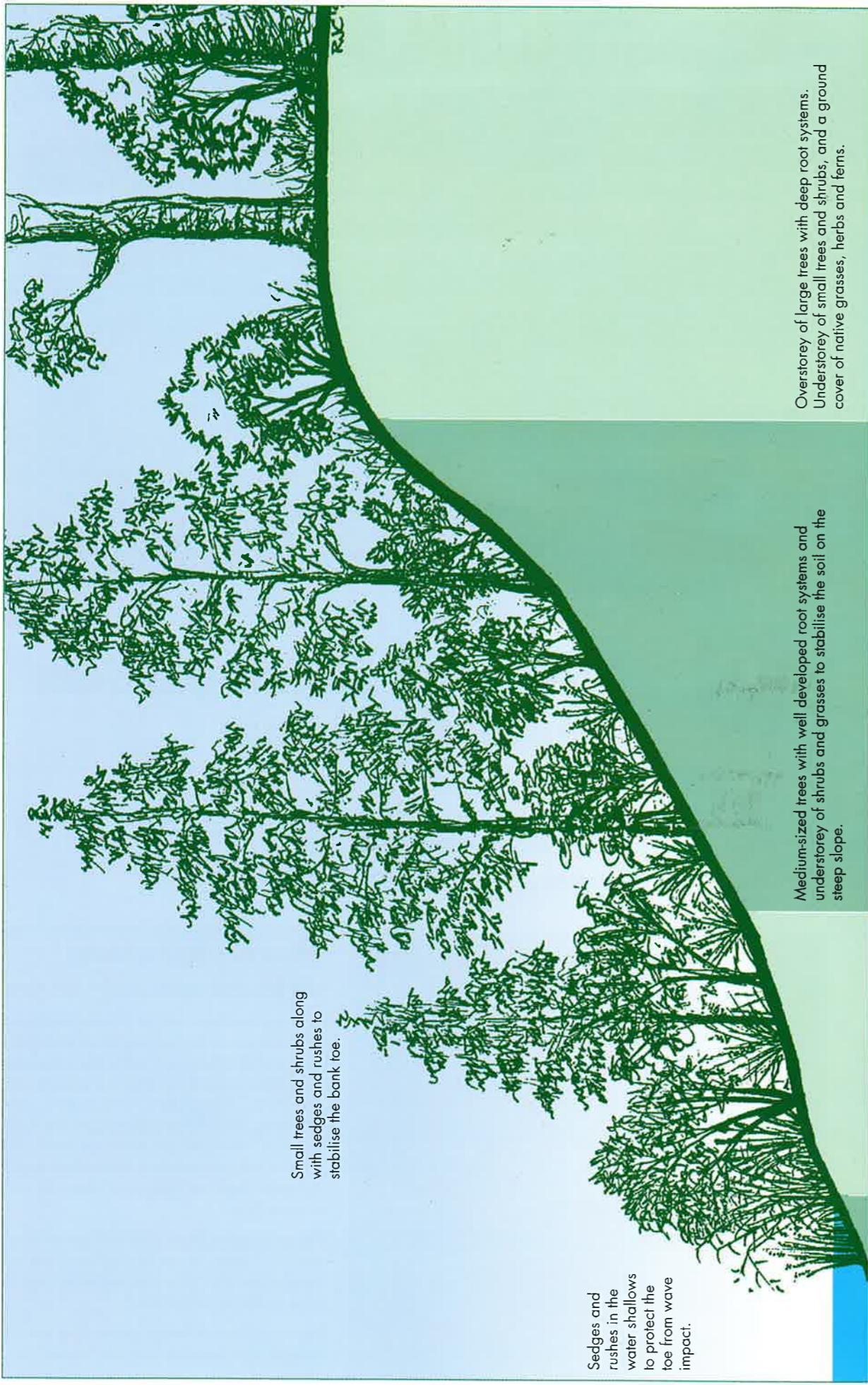
### What is this guide and how do I use it?

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



The diagram illustrates a cross-section of a riverbank with different zones:

- Water shallows:** Small trees and shrubs along with sedges and rushes to stabilise the bank toe.
- Shoreline:** Sedges and rushes in the water shallows to protect the toe from wave impact.
- Slope of bank:** Medium-sized trees with well developed root systems and understorey of shrubs and grasses to stabilise the soil on the steep slope.
- Top of bank and flood plain:** Overstorey of large trees with deep root systems, Understorey of small trees and shrubs, and a ground cover of native grasses, herbs and ferns.

**Aquatic species**

- Alisma plantago-aquatica*
- Bolboschoenus fluviatilis*
- Phragmites australis*
- Schoenoplectus validus*
- Typha orientalis*

**Shrubs and trees**

- Casuarina cunninghamiana* (River She-oak)
- Ficus coronata* (Sandpaper Fig)
- Trema aspera* (Native Peach)

**Canopy**

- Acacia binervia* (Coast Myall)
- Acacia implexa* (Hickory Wattle)
- Acacia parviflora* (Paramatta Green Wattle)
- Acacia parvipinnula* (Silver-stemmed Wattle)
- Allocasuarina torulosa* (Forest Oak)
- Angophora subvelutina* (Broad-leaved Apple)
- Casuarina cunninghamiana* (River She-oak)
- Eucalyptus agglomerata* (Blue-leaved Stringybark)
- Eucalyptus deanei* (Mountain Bluegum)
- Eucalyptus punctata* (Grey Gum)
- Eucalyptus saligna* (Sydney Blue Gum)
- Eucalyptus tereticornis* (Forest Red Gum)
- Ficus coronata* (Sandpaper Fig)
- Glochidion ferdinandi* (Cheese Tree)
- Melia azedarach* (White Cedar)
- Syncarpia glomulifera* (Turpentine)
- Trema aspera* (Native Peach)

**Semi-aquatic species**

- Carex appressa*
- Cyperus difformis*
- Cyperus exaltatus*
- Cyperus laevis*
- Juncus bufonius*
- Juncus usitatus*
- Lomandra longifolia*
- Paspalum distichum*
- Phragmites australis*
- Persicaria decipiens*
- Persicaria hydropiper*
- Phragmites australis*

**Understorey**

- Acacia floribunda* (Sally Wattle)
- Breynia oblongifolia* (Breynia)
- Bursaria spinosa* (Native Blackthorn)
- Clerodendrum tomentosum* (Hairy Clerodendrum)
- Hibiscus heterophyllus* (Native Rosella)
- Phyllanthus gasstroemii* (Blunt Spurge)
- Pittosporum revolutum* (Rough-fruit Pittosporum)
- Pteridium esculentum* (Bracken Fern)
- Pteris tremula* (Tender Brake Fern)

**Ground level**

- Adiantum aethiopicum*
- Agrostis avenacea*
- Imperata cylindrica*
- Lomandra longifolia*
- Microlestes stipoides*
- Opismenus aemulus*
- Persicaria decipiens*
- Persicaria hydropiper*
- Stipa ramosissima*
- Stipa verticillata*

**Ground level**

- Adiantum aethiopicum*
- Agrostis avenacea*
- Imperata cylindrica*
- Lomandra longifolia*
- Microlestes stipoides*
- Opismenus aemulus*
- Persicaria decipiens*
- Persicaria hydropiper*
- Stipa ramosissima*
- Stipa verticillata*