

THE HAWKESBURY-NEPEAN

# Riverbank Management Program

PENRITH TO WISEMANS FERRY

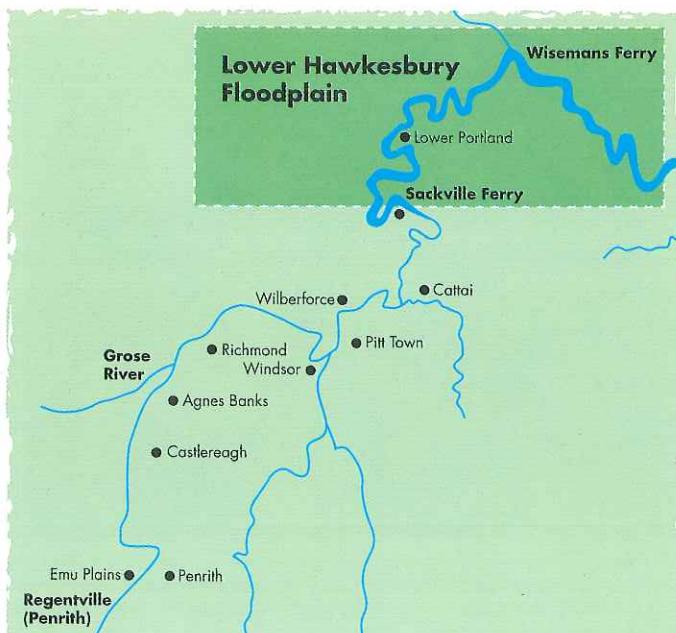


## Riverbank planting guide: Lower Hawkesbury floodplain

Information Sheet No. 5

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?

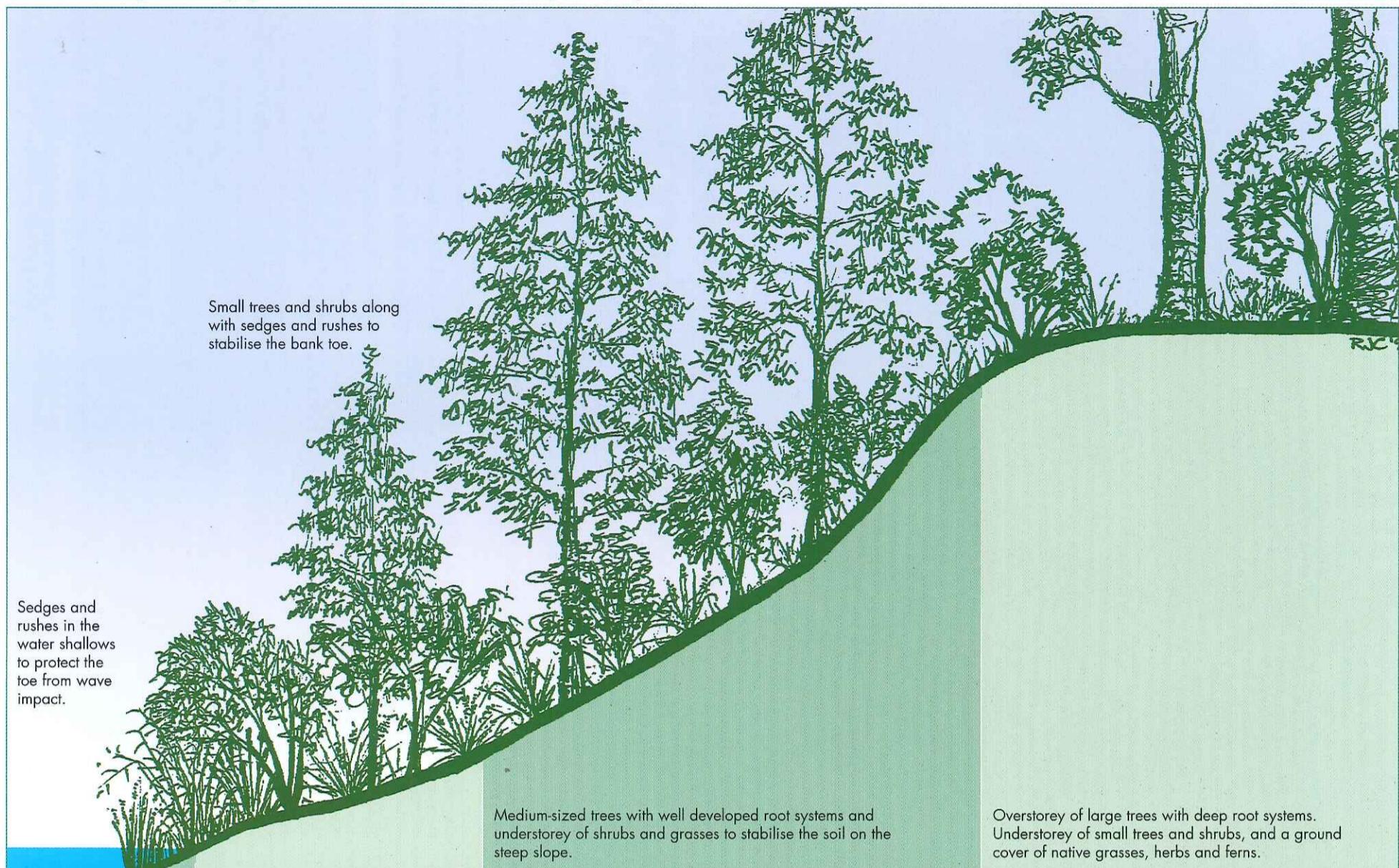
### What is this guide and how do I use it?

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 Lower Hawkesbury 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: Lower Hawkesbury floodplain



Water shallows	Toe of bank	Slope of bank	Top of bank and flood plain
<b>Aquatic species</b> <p><i>Eleocharis equisetina</i> <i>Eleocharis sphacelata</i> <i>Isolepis inundata</i> <i>Phragmites australis</i></p>	<b>Shrubs and trees</b> <p><i>Casuarina cunninghamiana</i> (River She-oak) <i>Ficus coronata</i> (Sandpaper Fig) <i>Leptospermum polygalifolium</i> (Lemon-scented Tea Tree)</p>	<b>Canopy</b> <p><i>Acacia parramattensis</i> (Parramatta Green Wattle) <i>Acmena smithii</i> (Lilly-Pilly) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Ficus coronata</i> (Sandpaper Fig) <i>Leptospermum polygalifolium</i> (Lemon-scented Tea Tree) <i>Melaleuca linariifolia</i> (Snow in Summer) <i>Trema aspera</i> (Native Peach)</p>	<b>Canopy</b> <p><i>Acacia parramattensis</i> (Parramatta Green Wattle) <i>Acmena smithii</i> (Lilly-Pilly) <i>Alphitonia excelsa</i> (Red Ash) <i>Angophora floribunda</i> (Rough-barked Apple) <i>Casuarina cunninghamiana</i> (River She-oak) <i>Eucalyptus deanei</i> (Mountain Blue Gum) <i>Eucalyptus robusta</i> (Swamp Mahogany) <i>Eucalyptus saligna</i> (Sydney Blue Gum) <i>Ficus coronata</i> (Sandpaper Fig) <i>Ficus rubiginosa</i> (Port Jackson Fig) <i>Glochidion ferdinandi</i> (Cheese Tree) <i>Leptospermum polygalifolium</i> (Lemon Tea Tree) <i>Syncarpia glomulifera</i> (Turpentine) <i>Trema aspera</i> (Native Peach)</p>
<b>Semi-aquatic species</b> <p><i>Juncus kraussii</i> <i>Juncus prismato-carpus</i> <i>Juncus usitatus</i> <i>Persicaria decipiens</i> <i>Persicaria strigosa</i> <i>Paspalum distichum</i></p>	<b>Ground level species</b> <p><i>Agrostis avenacea</i> <i>Hemarthria uncinata</i> <i>Paspalum distichum</i></p>	<b>Understorey</b> <p><i>Backhousia myrtifolia</i> (Grey Myrtle) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Duboisa myoporoides</i> (Corkwood) <i>Einadia hastata</i> <i>Eupomati laurina</i> (Native Guava) <i>Goodenia ovata</i> (Hop-Goodenia) <i>Hibiscus heterophyllus</i> (Native Rosella) <i>Hymenanthera denda</i> (Tree Violet/Scrub Box) <i>Opercularia aspera</i> (Coarse Stinkweed) <i>Pittosporum revolutum</i> (Rough Fruit Pittosporum)</p>	<b>Understorey</b> <p><i>Backhousia myrtifolia</i> (Grey Myrtle) <i>Bursaria spinosa</i> (Native Blackthorn) <i>Duboisa myoporoides</i> (Corkwood) <i>Einadia hastata</i> <i>Eupomati laurina</i> (Native Guava) <i>Goodenia ovata</i> (Hop-Goodenia) <i>Hibiscus heterophyllus</i> (Native Rosella) <i>Hymenanthera denda</i> (Tree Violet/Scrub Box) <i>Notelaea longifolia</i> (Mock Olive) <i>Opercularia aspera</i> (Coarse Stinkweed) <i>Pittosporum revolutum</i> (Rough Fruit Pittosporum)</p>
		<b>Ground level</b> <p><i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Alternanthera denticulata</i> <i>Centella asiatica</i> <i>Centipeda minima</i> <i>Doodia aspera</i> <i>Helichrysum adenophorum</i> <i>Hemarthria uncinata</i> <i>Hypolepsis muelleri</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Pallaea falcata</i> <i>Paspalum distichum</i> <i>Stipa ramosissima</i></p>	<b>Ground level</b> <p><i>Adiantum aethiopicum</i> <i>Agrostis avenacea</i> <i>Doodia aspera</i> <i>Echinopogon caespitosus</i> <i>Microlaena stipoides</i> <i>Oplismenus aemulus</i> <i>Pallaea falcata</i> <i>Viola hederacea</i></p>

## Native Riverbank Plants: Lower Hawkesbury floodplain

Botanical name	Common name	Growth Form	Height	Suggested Mode of Propagation
<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>	Common Maidenhair Fern	Fern	15-40cm	Transplant
<i>Agrostis avenacea</i>	Blown Grass	Grass	to 80cm	Seed
<i>Alphitonia excelsa</i>	Red Ash	Tree	6-10m	Fresh seed
<i>Alternanthera denticulata</i>	Lesser Joyweed	Herb	20-50cm	Cuttings or transplant
<i>Angophora floribunda</i>	Rough-barked Apple	Tree	20m	Seed
<i>Backhousia myrtifolia</i>	Grey Myrtle	Tree/shrub	3-4m	Seed or cuttings
<i>Bursaria spinosa</i>	Native Blackthorn	Shrub	2-3m	Seed or cuttings
<i>Casuarina cunninghamiana</i>	River She-oak	Tree	20-35m	Seed
<i>Centella asiatica</i>	Pennywort	Herb	10cm	Transplant
<i>Centipeda minima</i>	Spreading Sneezeweed	Herb	10cm	Transplant
<i>Doodia aspera</i>	Rasp Fern	Fern	20-40cm	Transplant
<i>Duboisa myoporoides</i>	Corkwood	Tree/shrub	3-6m	Fresh seed or hardwood cuttings
<i>Echinopogon caespitosus</i>	Tufted Hedgehog Grass	Grass	60-100cm	Seed
<i>Einadia hastata</i>		Herb/shrub	50cm	Seed
<i>Eleocharis equisetina</i>	Tall Spike Rush	Rush	2m	Transplant or cuttings
<i>Eleocharis sphacelata</i>	Mountain Bluegum	Tree	to 50m	Transplant or cuttings
<i>Eucalyptus deanei</i>	Swamp Mahogany	Tree	20-30m	Seed
<i>Eucalyptus robusta</i>	Sydney Blue Gum	Tree	30-50m	Seed
<i>Eucalyptus saligna</i>	Bolwarra/Native Guava	Tree/shrub	to 6m	Seed/cuttings
<i>Eupomati laurina</i>	Sandpaper Fig	Tree	3-4m	Fresh seed or cuttings
<i>Ficus coronata</i>	Port Jackson Fig	Tree/shrub	4-10m	Fresh seed or cuttings
<i>Ficus rubiginosa</i>	Cheese Tree	Tree/shrub	4-8m	Seed
<i>Glochidion ferdinandi</i>	Hop-Goodenia	Shrub	1-1.5m	Cuttings or seed
<i>Goodenia ovata</i>	Waddell Everlasting	Herb	50cm	Seed
<i>Helichrysum adenophorum</i>	Mat grass	Grass	30-80cm	Seed or transplant
<i>Hemarthria uncinata</i>	Native Rosella	Shrub	3-8m	Cuttings or seed
<i>Hibiscus heterophyllus</i>	Tree Violet/Scrub Box	Shrub	to 3m	Seed
<i>Hymenanthera dendata</i>	Harsh Ground Fern	Fern	30-100cm	Transplant
<i>Hypolepsis muelleri</i>	Swamp Club Rush	Rush	to 30cm	Transplant or seed
<i>Isolepis inundata</i>	Sea Rush	Rush	1-2m	Transplant or seed
<i>Juncus kraussii</i>	Branching Rush	Rush	20-40cm	Transplant or cuttings
<i>Juncus prismatocarpus</i>	Common Rush	Rush	1m	Transplant or cuttings
<i>Juncus usitatus</i>	Lemon-scented Tea Tree	Shrub	2.5m	Seed
<i>Leptospermum polygalifolium</i>	Snow in Summer	Tree/shrub	to 8m	Seed
<i>Melaleuca linariifolia</i>	Weeping Grass	Grass	15-70cm	Seed
<i>Microlaena stipoides</i>	Mock Olive	Shrub	2-3m	Cuttings or seed
<i>Notelaea longifolia</i>	Coarse Stinkweed	Shrub	1m	Seed
<i>Opercularia aspera</i>	Basket grass	Grass	15cm	Seed
<i>Oplismenus aemulus</i>	Sickle Fern	Fern	60cm	Transplant
<i>Pallaea falcata</i>	Water Couch	Grass	30cm	Transplant
<i>Paspalum distichum</i>	Slender Knotweed	Herb	1m	Seed
<i>Persicaria decipiens</i>	Water Pepper	Herb	1m	Seed
<i>Persicaria strigosa</i>	Common Reed	Grass	2m	Transplant or cuttings or seed
<i>Phragmites australis</i>	Rough Fruit Pittosporum	Shrub	1-3m	Cuttings or seed
<i>Pittosporum revolutum</i>	Stout Bamboo Grass	Grass	2m	Seed or transplant
<i>Stipa ramosissima</i>	Turpentine	Tree	to 40m	Seed
<i>Syncarpia glomulifera</i>	Native Peach	Tree/shrub	3-6m	Seed
<i>Trema aspera</i>	Native Violet	Herb	30cm	Transplant
<i>Viola hederacea</i>				



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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