

Randwick City Council



Street Tree Identification Manual

Volume 4 - Tree Species G-L

Compiled by Randwick City Council's Tree Management Officer October 2007

Foreword

This manual is intended to give the reader an overview of the characteristics and cultural requirements of each of the tree species nominated in Randwick City Council's Street Tree Masterplan.

Each species is identified firstly by its Botanical name - with a phonetic spelling directly underneath – followed by the Common name in the top right hand corner of the page.

Underneath the Common name are details of the tree, including the origin of the species, the season in which it flowers (if appropriate) and a general description of its mature size and overall form.

A photograph of a typical example of each tree species is provided to allow readers the opportunity to get an idea of the mature dimensions and overall form of the subject tree/shrub.

The size dimensions specified in the manual are the average mature sizes that could be expected of nominated tree species growing within the City of Randwick and take into account various elements such as topography, exposure to wind, soil type, depth of soil, annual rainfall, etc.

A brief description of the tree's cultural requirements and preferred planting situation is also given – with particular emphasis placed on its suitability as a street and/or park tree and whether it is suitable for planting in confined areas or under overhead powerlines.

Immediately underneath this description are the designated precincts where the tree is nominated for planting within Council's Street Tree Masterplan.

Following the nominated precincts are photographs of the tree's fruit, flowers, leaves and bark – along with a brief description of each of these components.

At the rear of the manual is a matrix of all species - which includes the species name, average mature dimensions, whether it is native or exotic, evergreen or deciduous, the severity of any potential tree root damage, suitability under powerlines, fruit/leaf drop severity and estimated average lifespan.

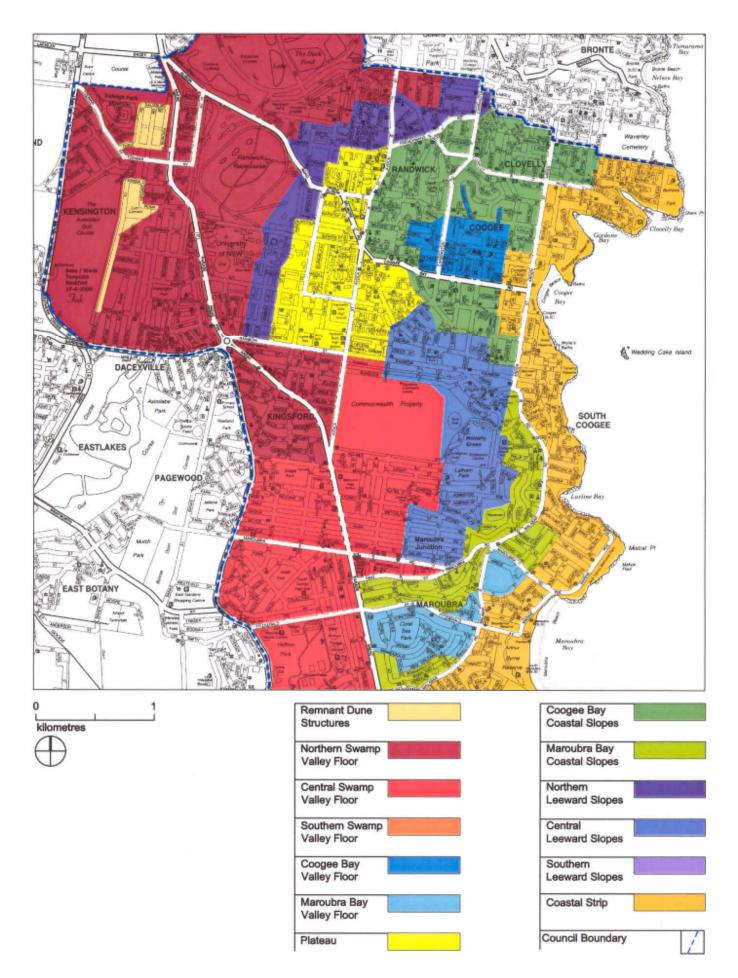
By far the majority of species contained in both the Street Tree Masterplan and the Street Tree Identification Manual are Australian natives or, where appropriate, species indigenous to the Randwick area.

The use of native/indigenous species is not just because of their appropriateness to the Randwick City area but also because it allows Council the opportunity to reinforce existing wildlife habitat corridors and buffer zones throughout the City – with particular emphasis on the sparsely planted exposed coastal strip.

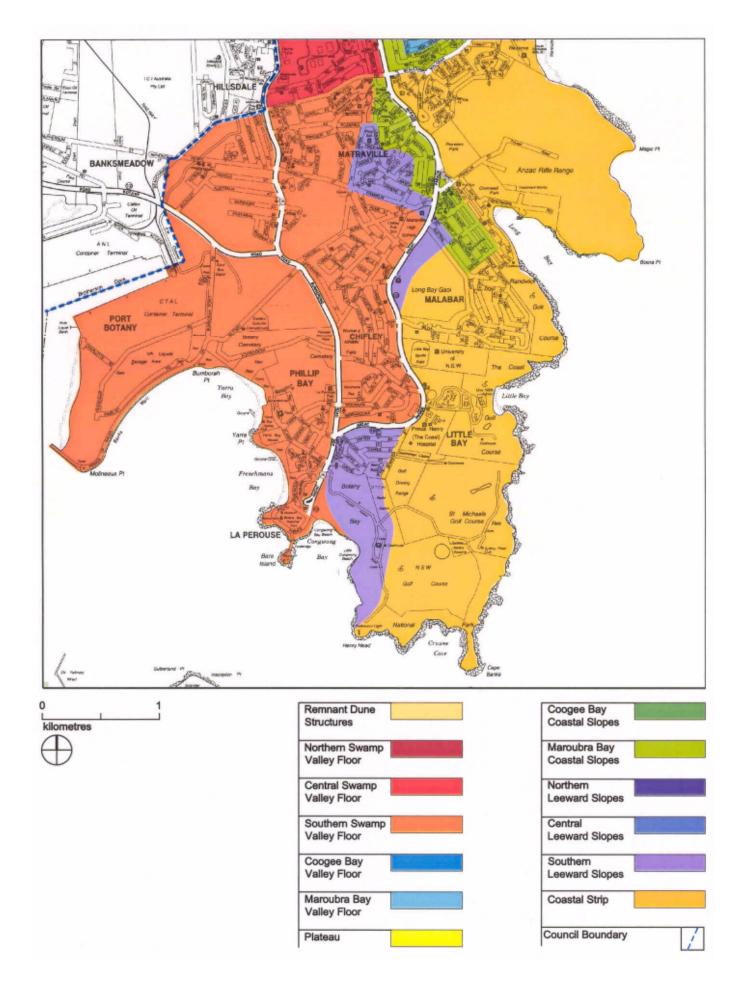
Council is also committed to the removal and replacement of a variety of established street tree species that are either at the end of their Safe Useful Life Expectancy (S.U.L.E.) or which are manifestly inappropriate as street trees.

This removal/replacement strategy will allow Council to eventually achieve significant streetscapes of appropriate tree species that will cause minimal damage to private property and public infrastructure, while at the same time allowing Council the opportunity to create individual vegetative palettes quite distinctive to the Randwick City area.

Street Tree Masterplan Precincts



Street Tree Masterplan Precincts



Geijera parviflora (Gei-jera parvi-flora)

	Statistics
	Family
	RUTACEAE
	<u>Origin</u>
Part Carlo State State State	Native of inland NSW areas
	Flowering
	Appear in Spring-Summer
	Size
	Generally 5-6 metres tall with a spread of between 4-5 metres
	<u> </u>
	Small to medium tree with a
	glossy, weeping canopy

Description	Smallish tree growing naturally in open, dry areas of inland NSW. Ideal	
	small tree for street tree planting. Ideal for planting under	
	powerlines	

Nominated	Leeward Slopes (central)
Precinct	

Fruit Small, green fleshy berries	<u>Flowers</u> Small, creamy, bell shaped - produced in loose panicles
Light glossy green, narrow lanceolate, pendulous. Aromatic	Bark Grey-brown and deeply fissured

Gleditsia triacanthos 'Sunburst' (Gled-it-sia tria-canthos)

	Statistics
Marca All	<u>Family</u>
and the second second second	CAESALPINIACEAE
A CONTRACTOR OF THE	<u>Origin</u>
A CARA SAL	Eastern and southern USA
	Flowering
	October-November
THE REPAIR OF A DECK	<u>Size</u>
	8-9 metres tall with a spread of 6-7 metres
	Form
	Tall spreading habit, pendulous branches

Description	Medium-sized deciduous tree with very attractive lime-yellow leaves. Very similar to Robinia sp in habit and size. Very good specimen tree.
	Amenable to pruning under powerlines

Nominated	Swamp Valley Floor (north/central/south)
Precincts	

Fruit Brown, dehiscent, flat, curved pods	Flowers Greenish-white and inconspicuous
Leaves Dark green above, lanceolate to oblong leaflets, serrated margins	<u>Bark</u> Reddish-brown and slightly furrowed – often 'split' in appearance
to obligited indigino	The other opic in dependence

Glochidion ferdinandi (Gloch-id-ion ferdi-nan-di)

	Statistics
	<u>Family</u>
	EUPHORBIACEAE
	<u>Origin</u>
	Coastal forests of south-eastern
	NSW – central-eastern Qld
	Flowering
	October-February
	Size
	Evergreen tree to 8-10m in
	cultivation, sparse to dense broad
	dome
	<u>Form</u>
	Sparse, well rounded, evergreen canopy. Usually single trunked

Description	Evergreen tree growing to around ten metres in cultivated situations.
	Commonly seen with a straight, mast-like trunk and sparse, broad-
	domed canopy. Grows in a variety of soils. Attractive medium tree for
	gardens, parks or streets. Amenable to pruning around powerlines

Nominated	Coogee Bay Coastal Slopes, Coogee Valley Floor, Plateau, Swamp	
Precincts	Valley Floor (south), Remnant Dunes (north/south)	

<u>Fruit</u> Capsules with several compartments – resembling bulk cheese	Flowers Axillary unisexual panicles, small and greenish - insignificant
	INSIGNIFICANT
Leaves Compound, elliptical – shiny dark green	Bark Dark brown, fibrous with long furrows

Grevillea banksii

(Grev-ill-ea banksi-i)

	Statistics
	Family
	PROTEAEAE
新闻》《《《《》《》 《》	<u>Origin</u>
	Native to Qld
	Flowering
	Spring to Summer
	Size
	Up to 4 metres with a spread of 2-
	3 metres Form
	Tall growing shrub with a rounded
	irregular shape

Description	A profusely flowering shrub which attracts nectar feeding birds. Ideal in
	confined spaces and useful as a screening plant. Ideal for planting
	under powerlines

Nominated	Leeward Slopes (south)
Precinct	

Fruit Woody, flattened follicle, splitting down one side	Flowers Cream or red. Delicate spider-like raceme
Leaves Dark green, soft, deeply lobed	<u>Bark</u> Reddish brown, lightly furrowed

Grevillea 'Honey Gem' (Grev-ill-ea Honey Gem)

	Statistics
	Family
	PROTEACEAE
	Origin
	East Coast of Australia
A STATE OF A	Flowering
	Early Spring
	Size
	3 metres in height by 3 metres in width
	<u>Form</u>
	Dense, rounded shrub

Description	Marvellous shrubby cultivar which flowers profusely. Good bird
	attracter. Well suited to planting in confined areas. Ideal for planting
	under powerlines

Nominated	Leeward Slopes (central)
Precinct	

Fruit Flat, woody follicle	Flowers Orange 'toothbrush'-like spikes
	CARLES AND
Leaves Dark green, finely dissected – new growth bronze	<u>Bark</u> Reddish brown, lightly furrowed

Grevillea linearifolia (Gre-vill-ea lin-eari-folia)

	Statistics
	<u>Family</u>
	PROTEACEAE
	<u>Origin</u>
	Native to NSW
	Flowering
	Spring and Summer
- Annual Parts - Annual Parts	<u>Size</u>
	Generally 2 metres by 2 metres
	<u>Form</u>
	Small, rounded shrub

Description	Small Spider Grevillea ideal for growing on nature strips or in confined	
	situations. Enjoys full sun. Ideal for planting under powerlines	

Nominated Leeward Slopes (south) Precinct	
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Fruit Leathery capsules	<u>Flowers</u> White or pink, dainty, 'spider- like'
Leaves Green, thin, narrow – silky undersurface	<u>Bark</u> Brown, slightly furrowed

Grevillea 'Misty Pink' (Grev-ill-ea Misty Pink)

	Statistics
	<u>Family</u>
	PROTEACEAE
	<u>Origin</u>
	Cultivar – grows in most of
	Australia
	Flowering
and an and the second sec	Spring and Autumn – but most of
	the year
	Size
	Generally 3 metres by 3 metres
	<u>Form</u>
	Open, rounded shrub

Description	Beautiful, hardy shrub for planting in confined nature strip situations.	
	Profuse flowering bird attracter. Ideal for planting under powerlines	

Nominated	Leeward Slopes (central)
Precinct	

Fruit Woody, flattened follicle	Flowers Large pink spikes - profuse
Leaves Dark green, finely dissected – silvery green new growth	Bark Reddish brown, lightly furrowed

Harpulia pendula (Har-pul-ia pen-dula)

	Statistics
and the second sec	<u>Family</u>
	SAPINDACEAE
A CONTRACTOR AND A CONTRACTOR	<u>Origin</u>
	Coastal rainforests of north-
	eastern NSW – eastern Qld
	<u>Flowering</u>
	November-February
	Size
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Evergreen tree to 10m in
	cultivation
	<u>Form</u>
	Dense, well rounded, evergreen
	canopy. Usually single trunked

Description	An evergreen tree growing to around 10 metres in cultivated
	situations. Commonly seen with a straight, mast-like trunk and broad-
	domed canopy. Prefers deep, friable, well structured soil. Not to be
	planted under wires

Nominated	Plateau
Precinct	

Fruit Panicle with 8-10 capsules. Greenish at first, turning to scarlet	Flowers Axillary panicle, yellow with greenish shadings
Leaves Compound, elliptical – bronze- green at first becoming dark green	<u>Bark</u> Close grained, yellow/brown, mottled
green at mot becoming dark green	

Hibiscus tileaceus 'Rubra' (Hi-bis-cus til-e-aceus 'Rubra')

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visit of exclosion	Statistics
	<u>Family</u>
	MALVACEAE
	<u>Origin</u>
	Cultivar – Sydney region
	Flowering
	Spring and Summer
	<u>Size</u>
	4-5 metres tall with a spread of 3-4
	metres Form
	Smallish broad domed tree

Description	Hardy cultivar with a similar growth habit to Hibiscus tileaceus but
	smaller all round. Very hardy and does well in coastal situations. Dark
	crimson leaves and pink-yellow flowers. Ideal for planting under
	powerlines

Nominated	Leeward Slopes (central), Swamp Valley Floor (central)
Precincts	

<u>Fruit</u> 5-lobed, ovoid capsule	Flowers Pinkish yellow petals
Leaves Dark plum colour and broadly cordate	<u>Bark</u> Grey and lightly fissured with deep crevises in branch junctions

Hibiscus tileaceus

	Statistics
and pulling	Family
	MALVACEAE
A SAME AND	Origin
	Northern Australia and North
	Coast of NSW
	Flowering
	Spring and Summer
	Size
	Generally to 7-8 metres tall with a
	spread of 5-7 metres
and the state of the second second	Form
And and the second s	Broad dome, rounded form

Description	Very hardy tree ideally suited to coastal planting in poor, sandy soils. Profuse flowering. Fast growing. Amenable to pruning under	
	powerlines	

Nominated	Exposed Coastal Strip, Maroubra Bay Coastal Slopes, Maroubra	
Precincts	Valley Floor, Swamp Valley Floor (central/south)	

<u>Fruit</u> 5-lobed, ovoid capsule	Flowers Bright yellow with black/brown centre
Leaves Light to dark green and broadly cordate	<u>Bark</u> Grey and lightly fissured

Hymenosporum flavum (Hymen-o-sporum flav-um)

	Statistics
	<u>Family</u>
	PITTOSPORACEAE
	<u>Origin</u>
	NSW and Qld
	Flowering
	Appear in Spring
	<u>Size</u>
	Grows to 6-7 metres with a spread of 2-3 metres
	<u>Form</u>
	Upright habit with sparse, slender canopy

Description	Good tree for planting in moist gullies in a protected environment.
	Beautiful yellow flowers. Amenable to pruning under powerlines

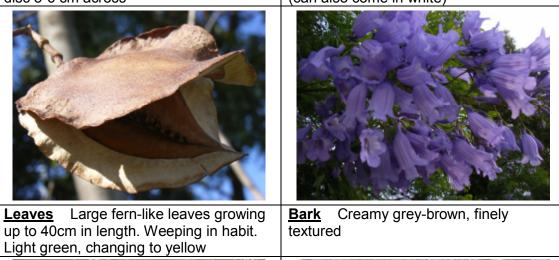
Nominated	Coogee Valley Floor, Maroubra Valley Floor
Precincts	

Fruit Woody capsule – splits along middle	<u>Flowers</u> Yellow, tubular, highly perfumed
Leaves Bright, glossy green, elliptical	Bark Relatively smooth, grey-brown

Jacaranda mimosifolia

(Jaca-randa mimos-i-folia)

			Statis	tics
			<u>Fam</u>	ily
			BIGNONIACEAE	
			<u>Orig</u>	in
Anton	A State of the Sta		Brazil	
The second	A Decision Services		Flowe	ring
And the second second			lovember to Dece	ember
			<u>Siz</u>	<u>e</u>
			/ledium sized, gro leight of approx 8-	wing to a local 9 metres
			For	<u>m</u>
AF COM		Sec. 1	Open, broad-sprea	iding canopy
Description	A stately shade producing tr			
	losing most foliage in late W			
	flowers. Should be pruned to		e trunk when youn	g. Amenable
	to pruning under powerlines			
Nominated	Coogee Bay Coastal Slopes, Maroubra Bay Coastal Slopes, Coogee			
Precincts	Valley Floor, Maroubra Valley Floor, Plateau, Swamp Valley Floor (north)			
L				
Fruit Thick,	Fruit Thick, wavy, ornamental, woody Flowers Large spikes of mauve flowers			of mauve flowers
disc 5-6 cm a			also come in white)	





Koelreutaria paniculata

(Koel-reu-tari-a pan-icu-lata)

	Statistics
	<u>Family</u>
A THE REAL PARTY	SAPINDACEAE
The state of the s	Origin
A CONTRACTOR OF	Native to China
	Flowering
	Appear in Summer through to
	Autumn
	Size
	Average 6-7 metres in height with
	a spread of 4-5 metres
	Form
	Erect, upright tree with dense
	canopy

Description	Erect upright medium-sized deciduous tree ideal for sheltered
	situations where there is plenty of sun. Profusion of yellow flowers in
	Autumn. Amenable to pruning under powerlines

Nominated
Precinct/sPlateau, Swamp Valley Floor (north), Remnant Dunes (north/south),
Coogee Valley Floor

Fruit
with 3 black seeds insideFlowers
ansideSmall, yellow occurring in
dense paniclesImage: Second seeds insideImage: Second second

Lagerstroemia indica (Lager-stro-emia in-dica)

A 4	Statistics
and the second	Family
	LYTHRACEAE
	Origin
	India, Burma and China
	Flowering
	Summer-Autumn
	Size
ORDOR	Height of 5-6 metres with a spread of 3-4 metres
	Form
	Generally multi-trunked with a
	broad dome

Description	Beautiful small tree with multi-coloured bark and a profusion of
	flowers. Ideal specimen tree for planting in relatively confined spaces.
	Amenable to pruning under powerlines

Nominated	Swamp Valley Floor (north), Remnant Dunes (north/south)
Precincts	

Fruit Ovoid, woody capsule	Flowers Pink, lavender or white. Erect terminal panicle
Leaves Dark green, glossy, elliptical, opposite	<u>Bark</u> Brown/pink/grey – mottled in irregular patches

Leptospermum flavescens (Lepto-sperm-um flav-esc-ens)

Tantoon



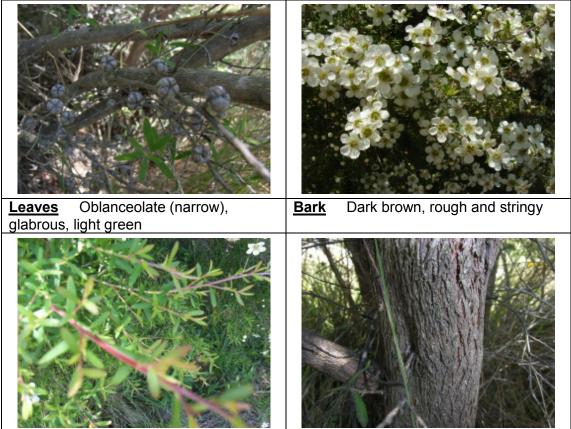
Family		
Failing		
MYRTACEAE		
<u>Origin</u>		
Coastal plains of NSW and Qld		
Flowering		
Late Winter to Summer		
Size		
Average 2-3 metres by 2 metres in width		
<u>Form</u>		
Rounded shrub with arching branches		

Statistics

Description	Hardy medium sized shrub/small tree with a rounded compact form.
	Profuse flowering in Spring. Ideal for planting under powerlines

Nominated	Exposed Coastal Strip, Leeward Slopes (south), Swamp Valley Floor
Precinct/s	(south)

Brown 5-valved woody capsules White, 5-petalled and profuse **Flowers** <u>Fruit</u>



Leptospermum laevigatum (Lepto-sperm-um laevi-gatum)

	Statistics
	<u>Family</u>
allow we are here	MYRTACEAE
A AR A A A A A A A A A A A A A A A A A	<u>Origin</u>
A CONTRACT OF A	NSW, Qld, Vic, SA and Tas
	Flowering
	Spring to Summer
	Size
	Generally 3-4 metres with a
	spread of the same
	<u>Form</u>
	Small rounded tree – often multi- trunked

Hardy, resilient small tree/shrub ideal for coastal planting. Ideal for
planting under powerlines

Nominated	Exposed Coastal Strip, Leeward Slopes (south), Swamp Valley Floor
Precincts	(south)

Fruit Woody, 5-celled capsules	Flowers White and open, 5-petalled
Leaves Greyish green, smallish, smooth and blunt	Bark Brown and stringy

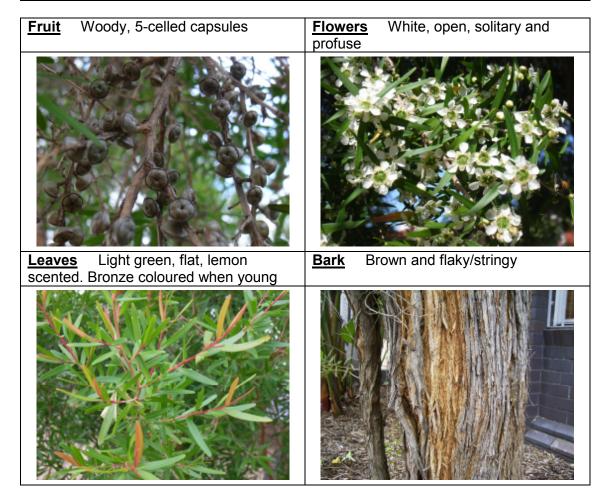
Lemon-scented Tea Tree

Leptospermum petersonii (Lepto-sperm-um peter-sonii)

	Statistics
and the second	<u>Family</u>
The second second second second	MYRTACEAE
	<u>Origin</u>
	Native of Qld
	Flowering
	Summer
A STATE OF	<u>Size</u>
	Grows to 4 metres tall with a
	spread of 2-3 metres
A REAL PROPERTY AND A REAL	<u>Form</u>
	Small tree with open, lacy canopy

Description	Good small tree for planting in confined spaces. Benefits from early
	formative pruning. Good bird attracter. Ideal for planting under
	powerlines

Nominated	Exposed Coastal Strip
Precinct	



Leptospermum squarrosum (Lepto-sperm-um squar-rosum)

Statistics
Family
MYRTACEAE
Origin
Native to NSW
Flowering
Summer and Autumn
Size
Grows to 2 metres with a spread
of 2 metres
<u>Form</u>
Bushy, erect shrub with sharp
foliage

Description	Hardy species suitable for most soils. Produces masses of Autumn
	flowers. Flowers are quite large for Tea Tree species. Useful for
	confined spaces. Ideal for planting under powerlines

Nominated	Exposed Coastal Strip
Precinct	

Fruit Woody, 5-celled capsule	<u>Flowers</u> Pink and white, open petalled, profuse
Leaves Dark green-reddish, narrow	Bark Dark brown and stringy
lanceolate and sharp	

Leptospermum trinervium (Lepto-sperm-um tri-nervi-um)

	Statistics
and the second se	Family
	MYRTACEAE
	<u>Origin</u>
And Andrews and Andrews	Native to NSW, Qld and Vic
	Flowering
	Spring-Summer
	Size
	Grows to 3 metres with a spread of 2 metres
	<u>Form</u>
	Large rounded shrub/small tree

Description	Evergreen shrub with loose slender branches. Profuse flowering and
	good bird attracter. Ideal for planting under powerlines

Nominated Exposed Coastal Strip Precinct Image: Coastal Strip
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<u>Fruit</u> Woody, 5-lobed capsules	Flowers White, 5-petalled, solitary
Leaves Light green, narrow, aromatic	Bark Brown and flaky

Livistona australis (Livi-stona aus-tralis)

	Statistics
	Family
Contraction of the second s	PALMACEAE
	<u>Origin</u>
	Native to Qld, NSW and Vic
	Flowering
	Early Spring
	Size
1. 2 Produce - 2 Provide Constant of	Grows to 20 metres with a spread
	of 2-3 metres
	<u>Form</u>
	Tall palm tree with pendulous
	fronds

A beautiful palm for parks and avenues either singly or in groups. Does better in sheltered position in deep soil. Not to be planted
inder wires

Nominated	All Precincts – Special Plantings only – Main Roads and Open Spaces
Precincts	

Fruit Black, rounded berries	<u>Flowers</u> Yellow, sessile, in dense 'sprays'
Leaves Green, orbicular, fan-shaped	Bark Dark brown and flaky – becoming
and segmented	smooth as palm ages

Brushbox

Lophostemon confertus (Lophos-temon con-fertus)

	Statistics
	<u>Family</u>
	MYRTACEAE
Contraction of the second	<u>Origin</u>
	NSW, Qld and NT rainforests
	Flowering
	Spring
	Size
	10-12 metres with a spread of 5-6
and the second s	metres
	<u>Form</u>
	Tall, single-trunked with broad,
	dense canopy

Description	Very hardy, broad domed tree with dense canopy. Ideal street tree
	with very few pest and disease problems. Amenable to pruning
	under powerlines

Nominated	Coogee Bay Coastal Slopes, Coogee Valley Floor, Maroubra Valley
Precincts	Floor, Plateau, Leeward Slopes (north/central), Swamp Valley Floor
	(north/central), Remnant Dunes (north/south)

<u>Fruit</u> Brown, woody capsules	<u>Flowers</u> White/cream, feathery clusters
Leaves Dark green, ovate, shiny above, paler beneath	<u>Bark</u> Brown, rough at base, smooth, pinkish further up trunk

STREET TREE SPECIES - CHARACTERISTICS SUMMARY

Species	Dimensions (metres)	Native/ Exotic	Evergreen/ Deciduous	Root Problems	Under wires	Fruit/Leaf Drop Severity	Lifespan (years)
Geijera parviflora (Wilga)	6m x 4m	Native	Evergreen	Minor	Yes	Minor	40-70
Gleditsia triacanthos 'Sunburst' (Honey Locust)	8m x 6m	Exotic	Deciduous	Minor	Pruning	Minor	40-70
Glochidion ferdinandi (Cheese Tree)	10m x 6m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Grevillea banksii (Banks's Grevillea)	4m x 3m	Native	Evergreen	Minor	Yes	Minor	<40
Grevillea 'Honey Gem' (Honey Gem Grevillea)	3m x 3m	Native	Evergreen	Minor	Yes	Minor	<40
Grevillea linearifolia (Spider Grevillea)	2m x 2m	Native	Evergreen	Minor	Yes	Minor	<40
Grevillea 'Misty Pink' (Misty Pink Grevillea)	3m x 3m	Native	Evergreen	Minor	Yes	Minor	<40
Harpulia pendula (Tulipwood)	10m x 6m	Native	Evergreen	Minor	No	Minor	40-70
Hibiscus tileaceus 'Rubra' (Red-leafed Hibiscus)	5m x 4m	Native	Evergreen	Moderate	Yes	Moderate	40-70
Hibiscus tileaceus (Cottonwood)	7m x 5m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Hymenosporum flavum (Native Frangipani)	6m x 3m	Native	Evergreen	Minor	Pruning	Minor	40-70
Jacaranda mimosifolia (Jacaranda)	10m x 8m	Exotic	Deciduous	Moderate	Pruning	Moderate	70+
Koelreutaria paniculata (Golden Rain Tree)	7m x 5m	Exotic	Deciduous	Moderate	Pruning	Moderate	40-70
Lagerstroemia indica (Crepe Myrtle)	5m x 4m	Exotic	Deciduous	Minor	Pruning	Minor	40-70
Leptospermum flavescens (Tantoon)	2m x 2m	Native	Evergreen	Minor	Yes	Minor	<40
eptospermum laevigatum (Coastal Tea Tree)	3m x 3m	Native	Evergreen	Minor	Yes	Minor	<40
Leptospermum petersonii (Lemon-scented Tea Tree)	4m x 3m	Native	Evergreen	Minor	Yes	Minor	<40
Leptospermum squarrosum (Pink Tea Tree)	2m x 2m	Native	Evergreen	Minor	Yes	Minor	<40
Leptospermum trinervium (Flaky Barked Tea Tree)	3m x 2m	Native	Evergreen	Minor	Yes	Minor	<40
Livistona australis (Cabbage Tree Palm)	20m x 3m	Native	Evergreen	Minor	No	Moderate	70+
Lophostemon confertus (Brushbox)	10m x 6m	Native	Evergreen	Moderate	Pruning	Moderate	70+