

Randwick City Council



Street Tree Identification Manual

Volume 6 - Tree Species S-Z

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.

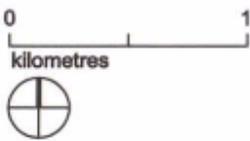
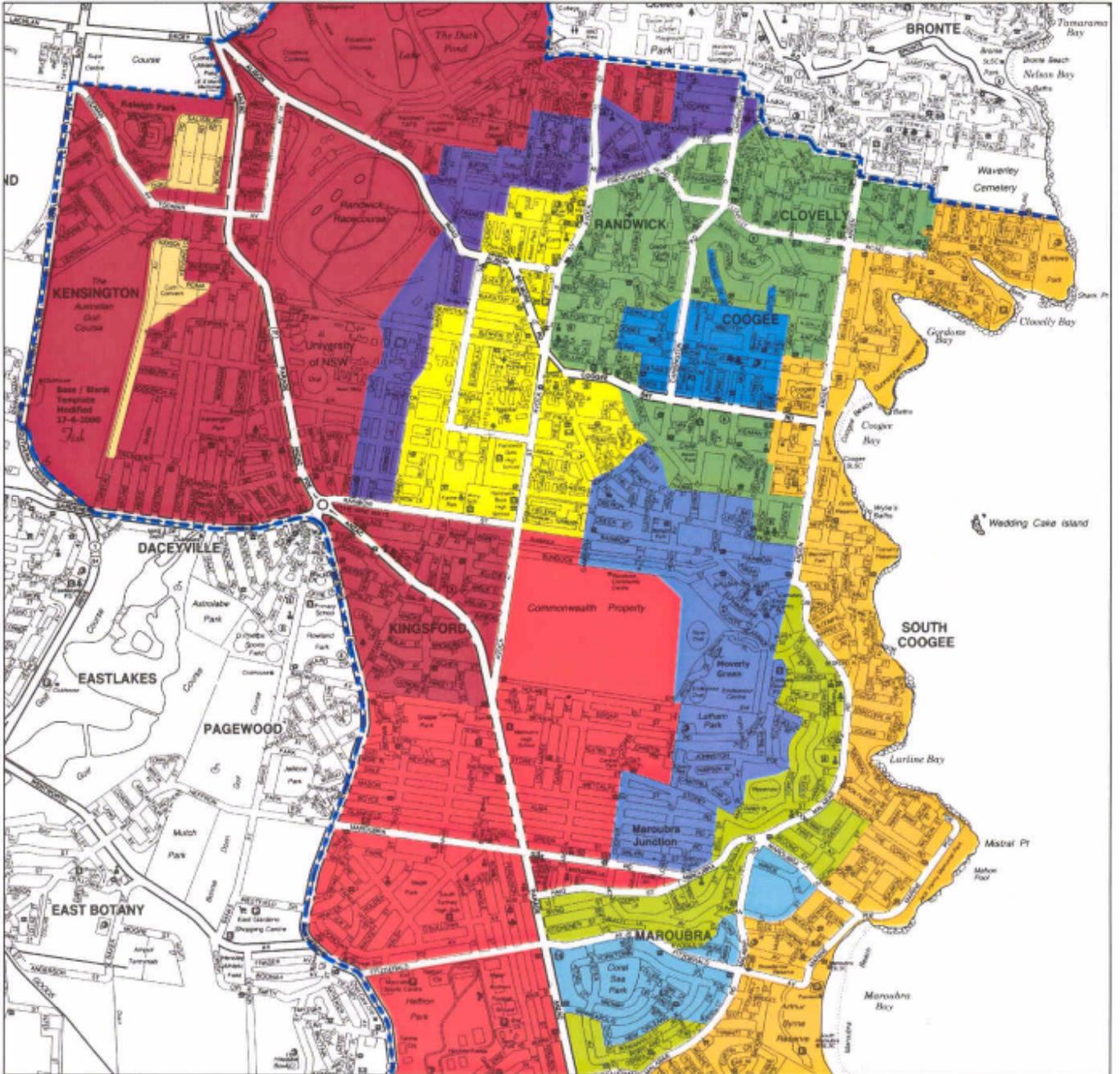
By far the majority of species contained in both the Street Tree Masterplan and the Street Tree Identification Manual are Australian natives or, where appropriate, species indigenous to the Randwick area.

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.

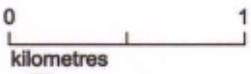
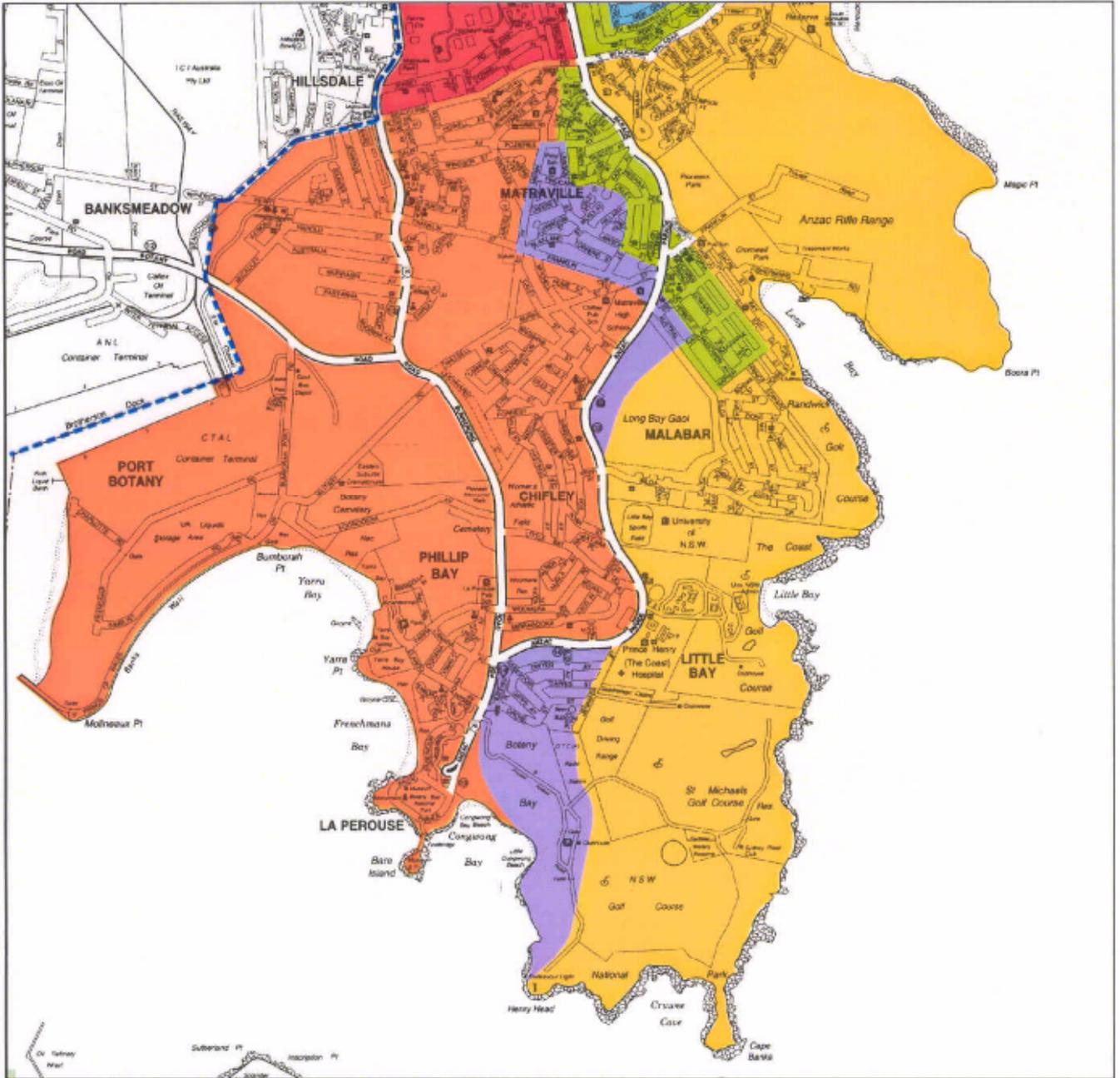
Street Tree Masterplan Precincts



Remnant Dune Structures	
Northern Swamp Valley Floor	
Central Swamp Valley Floor	
Southern Swamp Valley Floor	
Coogee Bay Valley Floor	
Maroubra Bay Valley Floor	
Plateau	

Coogee Bay Coastal Slopes	
Maroubra Bay Coastal Slopes	
Northern Leeward Slopes	
Central Leeward Slopes	
Southern Leeward Slopes	
Coastal Strip	
Council Boundary	

Street Tree Masterplan Precincts



Remnant Dune Structures		Coogee Bay Coastal Slopes	
Northern Swamp Valley Floor		Maroubra Bay Coastal Slopes	
Central Swamp Valley Floor		Northern Leeward Slopes	
Southern Swamp Valley Floor		Central Leeward Slopes	
Coogee Bay Valley Floor		Southern Leeward Slopes	
Maroubra Bay Valley Floor		Coastal Strip	
Plateau		Council Boundary	

Sapium sebiferum

(Sap-ium seb-if-erum)

Chinese Tallowwood

	Statistics
	<u>Family</u>
	EUPHORBIACEAE
	<u>Origin</u>
	Southern China
	<u>Flowering</u>
	November-December
	<u>Size</u>
Deciduous tree growing to 8-10m in cultivation	
<u>Form</u>	
Usually single trunked. Medium domed, dense crown 5-7m wide	

<u>Description</u>	A deciduous tree growing to around 8-10 metres in cultivated situations. Commonly seen with a distinct main trunk and dense, medium domed canopy. Prefers deep, friable, well drained soil. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Coogee Valley Floor, Plateau, Leeward Slopes (north)
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<u>Fruit</u> Small, brown, globular, 3-celled capsule in clusters of 1-5	<u>Flowers</u> Terminal raceme, green-yellow
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<u>Leaves</u> Broadly ovate, pale green at first changing to crimson/burgundy in autumn	<u>Bark</u> Pale brown, with narrow fissures
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Schinus areira

(Schi-nus ar-eira)

Peppercorn

	Statistics
	Family
	ANARCARDIACEAE
	Origin
	Native to Peru
	Flowering
	Late Spring to early Summer
	Size
Approx 10-12 metres tall with a canopy spread of between 6-8 metres	
Form	
Gnarled upright trunk with a broad, lacy, pendulous canopy	

Description

Very picturesque and stately tree species ideal for parks or in streets with wide nature strips. Require constant underpruning. **Amenable to pruning around powerlines**

Nominated Precincts

Swamp Valley Floor (north/central)

Fruit Small, reddish, dry berries in clusters



Flowers Greenish-yellow clusters – relatively insignificant



Leaves Green, pinnate, slender leaflets. Serrated margins



Bark Orange-brown, flaky, coarsely fissured



Stenocarpus sinuatus

(Steno-carpus sinu-atus)

Qld Firewheel Tree

	Statistics
	<u>Family</u>
	PROTEACEAE
	<u>Origin</u>
	Northern NSW and Qld
	<u>Flowering</u>
	Appear in late Summer to Autumn
<u>Size</u>	
Grows to 8-10 metres with a spread of 2-3 metres	
<u>Form</u>	
Erect trunk with slender canopy	

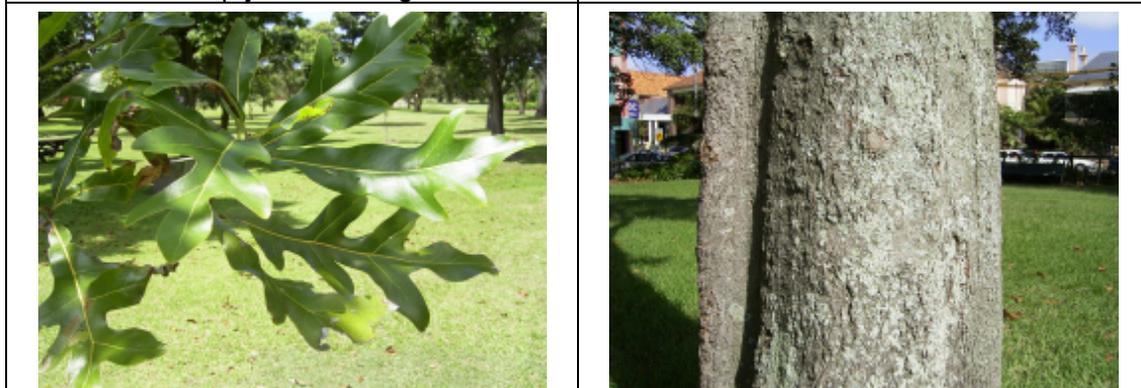
<u>Description</u>	Hardy tree once established. Should be planted in deep soil in a protected situation. Flowers resemble red 'wheels' and are quite spectacular. Good specimen tree. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Swamp Valley Floor (north/central), Remnant Dunes (north/south)
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<u>Fruit</u> Dark brown, woody, boat-shaped follicle – splits down one side	<u>Flowers</u> Bright orange-scarlet wheel-like umbel
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<u>Leaves</u> Glossy green, oblong-lanceolate, deeply lobed margins	<u>Bark</u> Dull grey-brown, slightly fissured
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Synoum glandulosum

(Sy-noum glandu-lo-sum)

Scented Rosewood

	Statistics
	<u>Family</u>
	MELIACEAE
	<u>Origin</u>
	North-eastern Qld to south-eastern NSW
	<u>Flowering</u>
	March-June
	<u>Size</u>
Erect evergreen tree to 8m in height	
<u>Form</u>	
Usually single trunked. Broad domed, with attractive, lacy crown	

<u>Description</u>	A handsome small-medium shade tree with an attractive, lacy canopy. Require well drained soil in a sunny position. Does well in coastal districts. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Coogee Valley Floor, Maroubra Valley Floor
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<u>Fruit</u> Brownish-green to reddish, 1 to 3-lobed capsules	<u>Flowers</u> Axillary panicle, perfumed, 4-petalled, white with pink reverse
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<u>Leaves</u> Long, bipinnate, ovate-elliptical, dark green	<u>Bark</u> Scaly, grey-green
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Syzygium australe

(Sy-zyg-ium aus-trale)

Scrub Cherry

	Statistics
	<u>Family</u>
	MYRTACEAE
	<u>Origin</u>
	Native to NSW and Qld
	<u>Flowering</u>
	Appear in Summer
	<u>Size</u>
Averages 8-10 metres in height with a canopy width of between 6-7 metres	
<u>Form</u>	
Erect single trunk with a broad, dense canopy	

<u>Description</u>	Ideal street tree for planting in gullies where there is adequate soil moisture. Good bird attracters. Amenable to pruning under powerlines
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<u>Nominated Precinct</u>	Coogee Valley Floor
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<u>Fruit</u> Pink fleshy berry – oval to ovoid	<u>Flowers</u> White/cream terminal cluster
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<u>Leaves</u> Pale bronze-green at first, becoming bright green, elliptical	<u>Bark</u> Reddish-brown, slightly fissured, flaky
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Syzygium luehmannii

(Sy-zyg-i-um lue-manni-i)

Small-leaved Lilly Pilly

	Statistics
	<u>Family</u>
	MYRTACEAE
	<u>Origin</u>
	North-eastern Qld to central NSW
	<u>Flowering</u>
	November-January
	<u>Size</u>
Erect evergreen tree to 8m in height in cultivation	
<u>Form</u>	
Usually single trunked. Broad domed, with dense, glossy crown	

<u>Description</u>	A handsome medium shade tree with an attractive, dense canopy. Requires well drained soil and will tolerate a sunny position. Does well in sheltered coastal districts. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Coogee Valley Floor, Swamp Valley Floor (north), Remnant Dunes (north/south)
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<u>Fruit</u> Inverted pear-shaped berry, bright coral red	<u>Flowers</u> Dense terminal panicles, creamy white
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<u>Leaves</u> Glossy, dark green, ovate-lanceolate – red when young	<u>Bark</u> Reddish brown, flaky – increasing with age
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Syzygium paniculatum

(Sy-zyg-i-um pan-icu-latum)

Brush Cherry

	Statistics
	<u>Family</u>
	MYRTACEAE
	<u>Origin</u>
	Northern NSW and Qld rainforests
	<u>Flowering</u>
	Summer to Autumn
	<u>Size</u>
Generally 8-10 metres tall with a spread of 5-6 metres	
<u>Form</u>	
Erect trunk with spreading branches and dense canopy	

<u>Description</u>	Ideal tree for planting in parks and streets which are sheltered and have adequate soil moisture. Excellent bird attracters. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Coogee Valley Floor, Remnant Dunes (north/south)
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<u>Fruit</u> Carmine-crimson, globular, fleshy berries	<u>Flowers</u> Creamy white, dense clusters
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<u>Leaves</u> Dark green, glossy, elliptical/ovoid. Paler under	<u>Bark</u> Reddish-brown and slightly fissured
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Tibouchina granulosa

(Tibou-china granu-losa)

Purple Glory Bush

	Statistics
	<u>Family</u>
	MELASTOMATACEAE
	<u>Origin</u>
	Brazil
	<u>Flowering</u>
	Late Summer to early Winter
	<u>Size</u>
Up to 5-6 metres in height with a canopy spread of around 4 metres	
<u>Form</u>	
Upright trunk with arching branches	

<u>Description</u>	Small evergreen tree suitable for street planting in coastal areas with reasonable soil moisture. Prefers sheltered site. Ideal for Autumn flowering. Ideal for planting under powerlines
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<u>Nominated Precinct/s</u>	Swamp Valley Floor (north), Leeward Slopes (central/north), Coogee Bay Valley Floor, Plateau
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<u>Fruit</u> Dull red 5-valved capsule. Seeds dark brown	<u>Flowers</u> Terminal panicle ranging in colour from violet/purple/pale purple
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<u>Leaves</u> Elliptical-ovate, dark green and shiny above, paler beneath	<u>Bark</u> Light grey-brown and slightly mottled
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Tristaniopsis laurina

(Tris-tani-opsis laur-ina)

Water Gum

	Statistics
	<u>Family</u>
	MYRTACEAE
	<u>Origin</u>
	Native of NSW, Qld and Vic
	<u>Flowering</u>
	Appear in Summer
	<u>Size</u>
Generally 7-9 metres tall with a canopy spread of 5-6 metres	
<u>Form</u>	
Erect trunk with a broad, dense crown	

<u>Description</u>	Very hardy species that makes an ideal street, park or shade tree. Very little maintenance required once established. Preferred street tree species. Amenable to pruning under powerlines
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<u>Nominated Precincts</u>	Coogee Bay Coastal Slopes, Coogee Valley Floor, Plateau, Leeward Slopes (north/central)
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<u>Fruit</u> Woody, globular capsule, green at first, turning brown	<u>Flowers</u> Bright yellow, 5-petalled, in clusters
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<u>Leaves</u> Glossy green, narrow elliptical, paler underneath	<u>Bark</u> Red/pale yellow/grey smooth, mottled bark
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Ulmus glabra 'Lutescens'

(Ul-mus glab-ra 'Lu-tes-cens')

Golden Elm

	Statistics
	<u>Family</u>
	ULMACEAE
	<u>Origin</u>
	Northern Europe
	<u>Flowering</u>
	Late August-early September
	<u>Size</u>
Generally up to 8-10 metres with a 5-6 metre canopy spread	
<u>Form</u>	
Broad, open canopy with lime green leaves	

<u>Description</u>	Attractive medium deciduous tree with a dense rounded canopy and attractive lime green foliage, becoming golden in autumn. Not to be planted under wires
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<u>Nominated Precincts</u>	Maroubra Valley Floor, Leeward Slopes (south/central/north), Plateau, Remnant Dunes (north/south)
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<u>Fruit</u> Winged membrane	<u>Flowers</u> Insignificant
PHOTO PENDING	INCONSPICUOUS

<u>Leaves</u> Broadly elliptical, lime green in colour changing to gold in autumn	<u>Bark</u> Grey-brown and slightly furrowed. Often covered in lichen
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Ulmus parvifolia

(Ul-mus parvi-folia)

Chinese Elm

	Statistics
	<u>Family</u>
	ULMACEAE
	<u>Origin</u>
	China, Japan and Korea
	<u>Flowering</u>
	Autumn - insignificant
	<u>Size</u>
Average 10-12 metres in height with a canopy width of 8-9 metres	
<u>Form</u>	
Erect trunk with a broad-domed canopy	

<u>Description</u>	Lovely deciduous tree well suited to parks and wider nature strips. Lovely mottled bark and pendulous foliage. Not to be planted under wires
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<u>Nominated Precincts</u>	Swamp Valley Floor (central), Remnant Dunes (north/south)
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<u>Fruit</u> Compressed samara – green at first, ripening to brown. Ovate-oval	<u>Flowers</u> Cluster of purplish-red apetalous flowers - insignificant
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<u>Leaves</u> Glossy green, elliptical to ovate, serrated margin. Unequal base	<u>Bark</u> Dull orange-yellow/brown/grey, mottled, flaky – highly attractive
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Waterhousia floribunda

(Water-housia flori-bunda)

Weeping Lilly Pilly

	Statistics
	Family
	MYRTACEAE
	Origin
	Native to NSW and Qld
	Flowering
	Appearing in Summer
	Size
Average of 9-10 metres in height with a spread of 5-6 metres	
Form	
Erect trunk with a densely textured crown	

Description	Evergreen rainforest tree with a broad crown of pendulous branches and glossy foliage. Requires deep soil and a sheltered position. Good bird attracter. Amenable to pruning around powerlines
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Nominated Precincts	Swamp Valley Floor (north), Remnant Dunes (north/south)
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Fruit Dull greenish-white, globular berries



Flowers White, fluffy, in terminal clusters



Leaves Glossy green, elliptical. New growth coppery-red



Bark Reddish-brown, deeply furrowed and fissured



Westringia fruticosa

(Wes-trin-gia fruti-cosa)

Coastal Rosemary

	Statistics
	<u>Family</u>
	LAMIACEAE
	<u>Origin</u>
	Native to NSW and Qld
	<u>Flowering</u>
	Summer
	<u>Size</u>
Averages 1-1.5 metres in height with a spread of 1.5 metres	
<u>Form</u>	
Rounded, bushy shrub	

<u>Description</u>	Extremely hardy species that will grow in poor soils. Very useful in confined spaces or for mass planting. Well suited to coastal planting. Ideal for planting under powerlines
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<u>Nominated Precinct</u>	Exposed Coastal Strip
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<u>Fruit</u> Insignificant – not seen	<u>Flowers</u> White, spotted with purple, 5-petalled
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<p>INSIGNIFICANT</p>	
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<u>Leaves</u> Dark green and glandular above, leathery, margin recurved	<u>Bark</u> Grey-brown, furrowed
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STREET TREE SPECIES - CHARACTERISTICS SUMMARY

Species	Dimensions (metres)	Native/ Exotic	Evergreen/ Deciduous	Root Problems	Under wires	Fruit/Leaf Drop Severity	Lifespan (years)
Sapium sebiferum (Chinese Tallowwood)	8m x 5m	Exotic	Deciduous	Severe	Pruning	Moderate	40-70
Schinus areira (Peppercorn)	10m x 8m	Exotic	Evergreen	Moderate	Pruning	Minor	70+
Stenocarpus sinuatus (Qld Firewheel Tree)	8m x 3m	Native	Evergreen	Minor	Pruning	Minor	40-70
Synoum glandulosum (Scented Rosewood)	8m x 4m	Native	Evergreen	Minor	Pruning	Minor	40-70
Syzygium australe (Scrub Cherry)	10m x 6m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Syzygium luehmannii (Small-leaved Lilly Pilly)	8m x 4m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Syzygium paniculatum (Brush Cherry)	10m x 5m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Tibouchina granulosa (Purple Glory Bush)	5m x 3m	Exotic	Evergreen	Minor	Yes	Minor	<40
Tristaniopsis laurina (Water Gum)	8m x 5m	Native	Evergreen	Moderate	Pruning	Minor	40-70
Ulmus glabra 'Lutescens'	10m x 7m	Exotic	Deciduous	Moderate	No	Moderate	70+
Ulmus parvifolia (Chinese Elm)	12m x 8m	Exotic	Deciduous	Moderate	No	Moderate	70+
Waterhousia floribunda (Weeping Lilly Pilly)	10m x 6m	Native	Evergreen	Moderate	Pruning	Moderate	40-70
Westringia fruticosa (Coastal Rosemary)	1.5m x 1.5m	Native	Evergreen	Minor	Yes	Minor	<40

