

Introduction	Tree Location	Specific Location Criteria
<p>The aim of the Tree Selection Matrix is to assist with the selection of tree species for planting within the City of Kwinana. Please note that the matrix does not guarantee approval from the City for tree selection, as all tree planting plans will be assessed in regards to context, existing site conditions and design intent.</p> <p>Planting Notes</p> <p>* Indicates min 600mm deep root barrier required</p> <p>All street trees are to be planted in accordance with the Utility Providers Code of Practice for WA</p> <p>Tree are to be planted a minimum of 1m from paths</p> <p>Street tree planting is to be biodiverse to insure against mass street tree loss / failure, with no single species making up more than 15% of street tree plantings within a subdivision. Mixing of species, or introduction of feature trees within a street, is encouraged. There is to be a mix of exotic and native species selected, however the preference is for the majority of street tree plantings to be native species, with exotic used as feature trees and to distinguish main avenues.</p> <p>Refer to City of Kwinana Landscape Development Guidelines for detailed information on tree planting requirements</p>	<p>Residential Verge Widths</p> <p>Less than 3m These species are suitable for verges with a width of less than 3m from kerb to property boundary</p> <p>Between 3 and 4m These species are suitable for verges of a width between 3 and 4m from kerb to property boundary</p> <p>Between 4 and 6m These species are suitable for verges with a width between 4 and 6m from kerb to property boundary</p> <p>Over 6m These species are suitable for verges with a width over 6m from kerb to property boundary</p> <p>Suitable under powerlines These species are suitable for planting under residential overhead powerlines</p> <p>Streetscape feature tree only These species are not suitable for use as mass planted street trees and are only permitted to be used as feature trees</p> <p>POS and Non residential verges</p> <p>POS Priority Species These species are to be first preference, and form the majority of tree species, when selecting species for POS as they are local to Kwinana and often unsuitable for mass street tree planting</p> <p>Verge width below 4m These species are to be selected when planting to non residential verges below 4m wide, such as those adjacent to arterial roads, drainage reserves, bushland areas, schools and POS (excludes commercial areas)</p> <p>Verge width over 4m These species are to be selected when planting to non residential verges over 4m wide, such as those adjacent to arterial roads, drainage reserves, bushland areas, schools and POS (excludes commercial areas)</p>	<p>Verge bioretention area These species are suitable for bioretention areas / rain gardens located in verges</p> <p>Median bioretention area These species are suitable for bioretention areas / swales in medians</p> <p>Median 2-3m wide These species are suitable for medians between 2 and 3m wide. Note consideration required for traffic conditions and fragility of tree on high speed and volume roads</p> <p>Median over 3m wide These species are suitable for medians between 2 and 3m wide. Note consideration required for traffic conditions and fragility of tree on high speed and volume roads</p> <p>Drainage basin These species are suitable for use in drainage basins and can cope with periods of inundation</p> <p>Coastal Areas These species are suitable for planting west of Rockingham / Patterson Road</p> <p>Roundabouts These species are suitable as feature trees in roundabouts</p>

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Botanical name	Common name	Height (m)	Canopy spread (m)	Origin	Local to Kwinana	Evergreen /deciduous	Residential Verges				POS and non residential verges			Verge Bioretention	Median Bioretention	Median 2-3m wide	Median Over 3m Wide	Drainage Basin	Coastal Area		Roundabouts
							Less than 3m	Between 3 and 4m	Between 4 and 6m	Over 6m	Suitable under powerlines	streetscape feature tree only	POS Priority Species								
<i>Agonis flexuosa</i>	WA Peppermint	8m	6m	WA		Evergreen			√	√				√			√	√	√	√	Agonis flexuosa can grow large trunks, only suitable for verges wider than 4m
<i>Allocasuarina fraseriana</i>	WA Sheoak	10m	6m	WA	√	Evergreen								√				√	√		Commonly used in natural areas near the coast. Roots often sucker and are invasive, therefore is not suitable as a residential street tree.
<i>Angophora costata</i>	Smooth Barked Apple	15m	10m	NSA		Evergreen			√											√	
<i>Araucaria heterophylla</i>	Norfolk Island Pine	30m	15m	NSW		Evergreen					√								√	√	Large tree only suitable for very wide medians and roundabouts, use only as a feature tree

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							Less than 3m	Between 3 and 4m	Between 4 and 6m	Over 6m	Suitable under powerlines	streetscape feature tree only	POS Priority Species									Verge width below 4m	Verge width over 4m
<i>Banksia attenuata</i>	Candle or Slender Banksia	10m	8m	WA	✓	Evergreen							✓	✓	✓			✓	✓				Not suitable as a mass planted street due to form and slow growth, however can be used as clustered plantings in informal medians, and verges adjacent natural areas
<i>Banksia grandis</i>	Bull Banksia	12m	5m	WA	✓	Evergreen							✓	✓	✓			✓	✓				Not suitable as a mass planted street due to form and slow growth, however can be used as clustered plantings in informal medians, and verges adjacent natural areas
<i>Banksia ilicifolia</i> (prev. <i>Dryandra ilicifolia</i>)	Holly-Leaf Banksia	10m	8m	WA		Evergreen									✓	✓				✓			Not suitable as a mass planted street due to form and slow growth, however can be used as clustered plantings in informal medians, and verges adjacent natural areas
<i>Banksia littoralis</i>	Swamp Banksia	10m	5m	WA	✓	Evergreen							✓	✓				✓	✓				
<i>Banksia menziesii</i>	Firewood Banksia	7m	8m	WA	✓	Evergreen							✓	✓	✓					✓			Not suitable as a mass planted street due to form and slow growth, however can be used as clustered plantings in informal medians, and verges adjacent natural areas
<i>Banksia prionotes</i>	Saw-toothed Banksia	5-10m	3-5m	WA	✓	Evergreen							✓	✓	✓					✓			Not suitable as a mass planted street due to form and slow growth, however can be used as clustered plantings in informal medians, and verges adjacent natural areas
<i>Bauhinia blakeana</i>	Hong Kong Orchid Tree	6m	6m	ASIA		Semi - deciduous	✓	✓	✓		✓												Species may need extra water to establish, not recommended as mass planted street tree
<i>Brachychiton acerifolia</i>	Illawarra Flame Tree	12m	6m	Eastern States		Semi - deciduous				✓		✓								✓*		✓	Brachychiton have not proven to be a reliable species when grown in the City
<i>Brachychiton acerifolia x populneus</i>	Bella-donna	8m	4m	Eastern States		Semi - deciduous				✓		✓								✓*		✓	Brachychiton have not proven to be a reliable species when grown in the City
<i>Brachychiton populneus</i>	Kurrajong	10m	6m	Eastern States		Semi - deciduous				✓													
<i>Callistemon 'Kings Park Special'</i>	Kings Park Special	5m	4m	WA		Evergreen	✓	✓	✓		✓					✓					✓		Grows well in the City
<i>Callistemon viminalis</i>	Weeping Bottlebrush	8m	4m	Eastern States		Evergreen	✓	✓	✓			✓									✓		
<i>Callitris preissii</i>	Rottnest Island Pine	12m	6m	WA	✓	Evergreen							✓	✓							✓		Suitable for remnant vegetation areas, and where screening is required.
<i>Casuarina equisetifolia</i>	Horsetail Sheoak	9m	6m	Asia Nth Aust		Evergreen									✓						✓		Roots usually sucker and are also invasive, therefore is not suitable as a street tree.
<i>Corymbia callophylla</i>	Marri	15m	8m	WA	✓	Evergreen				✓			✓								✓		Use sparingly adjacent well used paths due to large nuts
<i>Corymbia ficifolia</i>	Red Flowering Gum	6-8m	4-6m	WA		Evergreen				✓											✓		Use sparingly adjacent well used paths due to large nuts
<i>Corymbia maculata</i>	Spotted Gum	22m	10m	NSW		Evergreen				✓						✓*	✓*			✓	✓		Potential weed, avoid planting near natural areas.
<i>Cupaniopsis anacardioides</i>	Tuckeroo	8m	6m	Eastern States		Evergreen		✓	✓							✓*							

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<i>Delonix regia</i>	Poinciana	12m	10m	Madagascar		Deciduous				✓		✓					✓*			✓	Not widely used in Kwinana, success is unknown. Additional establishment watering required.
<i>Erythrina sykesii</i>	Coral Tree	15m	12m	Eastern States		Deciduous				✓*		✓					✓*			✓	Thorny branches mean this tree is not suitable within playground areas
<i>Eucalyptus accedens</i>	Smooth bark wandoo	20m	10m	WA		Evergreen					✓		✓							✓	
<i>Eucalyptus wandoo</i>	White Gum	20m	10m	WA		Evergreen					✓		✓							✓	
<i>Eucalyptus caesia</i>	Silver Princess	10m	5m	WA		Evergreen					✓	✓	✓				✓			✓	Species is not preferred as a mass planted street tree due to its form, however can be used as a feature tree within the streetscape to add interest
<i>Eucalyptus cladocalyx x nana</i>	Dwarf Bushy Sugar Gum	8m	4m	Eastern States		Evergreen			✓										✓		
<i>Eucalyptus decipiens</i>	Limestone Marlock, Redheart Moit	6m	3-5m	WA	✓	Evergreen						✓	✓	✓							
<i>Eucalyptus erythrocorys</i>	Illyarrie	7m	5m	WA		Evergreen							✓	✓							Not suitable adjacent to footpaths due to large fruit being potential trip hazard.
<i>Eucalyptus forrestiana</i>	Fuchsia Gum	4m	4m	WA		Evergreen	✓			✓											Mallee form. Formative pruning required.
<i>Eucalyptus gomphocephala</i>	Tuart	20m	10m	WA	✓	Evergreen				✓		✓				✓*		✓	✓		Fast growing tree which tolerates coastal limestone soils
<i>Eucalyptus leucoxyloides ssp. megalacarpa</i>	White Iron Bark	10m	7m	Eastern States		Evergreen			✓				✓			✓		✓			
<i>Eucalyptus marginata</i>	Jarraah	20m	10m	WA	✓	Evergreen				✓		✓									
<i>Eucalyptus nicholii</i>	Willow Leaf Peppermint	12m	12m	Eastern States		Evergreen				✓											
<i>Eucalyptus patens</i>	Blackbutt	15m	8m	WA		Evergreen							✓								
<i>Eucalyptus rudis</i>	Flooded Gum	15m	10m	WA	✓	Evergreen					✓	✓				✓			✓		
<i>Eucalyptus sideroxylon 'Rosea'</i>	Red Ironbark gum	10m	6m	Eastern States		Evergreen				✓						✓				✓	
<i>Eucalyptus spathulata</i>	Swamp Mallet	8m	6m	WA		Evergreen		✓	✓												Mallee form, needs formative pruning.
<i>Eucalyptus synandra</i>	Jingymia Mallee	4m	2m	WA		Evergreen	✓														Mallee form, needs formative pruning.
<i>Eucalyptus totidiana</i>	Pricklybark, Coastal Blackbutt	10m	8m	WA	✓	Evergreen					✓	✓									
<i>Eucalyptus torquata</i>	Coral Gum, Coolgardie Gum	6m	5m	WA		Evergreen	✓	✓	✓		✓	✓									
<i>Eucalyptus victrix</i>	Coolibah	8m	4m	WA		Evergreen				✓	✓	✓									Attractive small tree with white trunk.
<i>Eucalyptus utilis (prev Eucalyptus platypus)</i>	Coastal Moort	8m	5m	WA		Evergreen						✓	✓						✓		
<i>Eucalyptus woodwardii</i>	Lemon Flowered Gum	12m	8m	WA		Evergreen							✓								
<i>Ficus macrophylla</i>	Moreton Bay Fig	15-35m	15-25m	Eastern States		Evergreen															Very large tree only suitable to be used sparingly as a feature tree in large POS areas

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<i>Fraxinus raywoodii</i>	Claret Ash	12m	6m	Exotic		Deciduous			√								√						
<i>Hakea laurina</i>	Pin Cushion Hakea	6m	4m	WA		Evergreen	√	√					√	√									Ideal screening tree. Requires formative pruning when used as a street tree
<i>Jacaranda mimosifolia</i>	Jacaranda	15m	10m	Brazil		Deciduous				√							√				√		
<i>Lagerstroemia indica</i>	Crepe Myrtle	6m	4m	China		Deciduous	√	√			√												
<i>Liquidambar styraciflua</i>	Liquid Ambar Sweet Gum	15m	7m	USA		Deciduous				√								√*				√	Not suitable for planting adjacent paths due to large spikey seed pods
<i>Liquidambar styraciflua</i> 'Rotundiloba'	Liquid Ambar Sweet Gum	12m	7m	USA		Deciduous				√							√*	√*				√	Variety produces very few seed pods compared to standard species and so is preferable as a street tree
<i>Lophostemon confertus</i>	Queensland Brush Box	15m	12m	Eastern States		Evergreen				√													Used extensively throughout Perth as a street tree. Should not be used for new street tree planting but can be used for infill planting to maintain existing avenues.
<i>Macadamia integrifolia</i>	Macadamia	6m	4m	OLD		Deciduous		√				√											Not suitable for planting adjacent paths due to round nuts which can be a trip hazard
<i>Magnolia grandiflora</i> 'Exmouth'	Magnolia	8m	5m	Asia		Evergreen						√											
<i>Magnolia grandiflora</i> 'Little Gem'	Magnolia	6m	3m	Asia		Evergreen	√																
<i>Melaleuca lanceolata</i>	Rottneest Island Tea Tree	6m	5m	WA		Evergreen	√	√					√	√	√	√			√	√			Multi stemmed in natural habitat, only suitable as street tree if single stem specimens are selected with formative pruning in early years.
<i>Melaleuca leucadendra</i>	Weeping Paperbark, Cajeput Tree	10m	6m	Nth Aust		Evergreen				√						√	√*	√*					Copes well with inundaton and wet soils.
<i>Melaleuca linariifolia</i>	Flax Leaved Paperbark, Snow in Summer	8m	6m	Eastern States		Evergreen		√	√							√		√				√	
<i>Melaleuca preissiana</i>	Modong, Stout Paperbark	6-10m	3-5m	WA		Evergreen		√	√				√	√	√	√			√	√			Copes well with inundaton and wet soils. Will need additional watering to succeed as street tree
<i>Melaleuca quinquenervia</i>	Broad Leaf Paperbark	10m	8m	QLD		Evergreen				√						√*	√*	√*		√	√		Invasive roots Ensure root barriers are used where required
<i>Melaleuca raphiophylla</i>	Moonah, Swamp Paperbark	7-10m	4-6m	WA		Evergreen							√	√	√	√			√	√			
<i>Melaleuca viridiflora</i>	Broad Leaf Paperbark	8m	5m	North Aus		Evergreen		√	√						√	√	√				√	√	
<i>Metrosideros excelsa</i>	NZ Christmas Tree	8m	6m	NZ		Evergreen							√								√		

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<i>Olea europaea</i>	Olive	7m	5m	Europe		Evergreen						√										Rated as a potential weed, do not plant near natural areas. Not suitable as mass planted street tree. Can be used sparingly in POS
<i>Pistacia chinensis</i>	Chinese Pistachio	8m	6m	Asia		Deciduous		√	√													
<i>Platanus x acerfolia</i>	London Plane	20m	10m	Europe		Deciduous				√*		√*						√*			√	Causes allergic reactions to some. Not suitable as mass planted street tree due to extensive leaf and seed pod drop
<i>Pyrus calleryana</i>	Edgewood' 'Aristocrat'	10m	5m	Asia		Deciduous		√	√							√	√					
<i>Pyrus calleryana</i>	Capital Pear	8m	3m	Asia		Deciduous	√															
<i>Pyrus ussuriensis</i>	Manchurian Pear	8-10m	6m	Asia		Deciduous		√	√	√						√	√					
<i>Pyrus nivalis</i>	Snow Pear	8m	5m	Asia		Deciduous		√	√							√	√					
<i>Triadica sebifera</i> (prev. <i>Septum sebiferum</i>)	Chinese Tallow	10m	6m	China		Deciduous		√	√													
<i>Ulmus parvifolia</i>	Chinese Elm	12m	10m	Asia		Deciduous						√					√				√	