

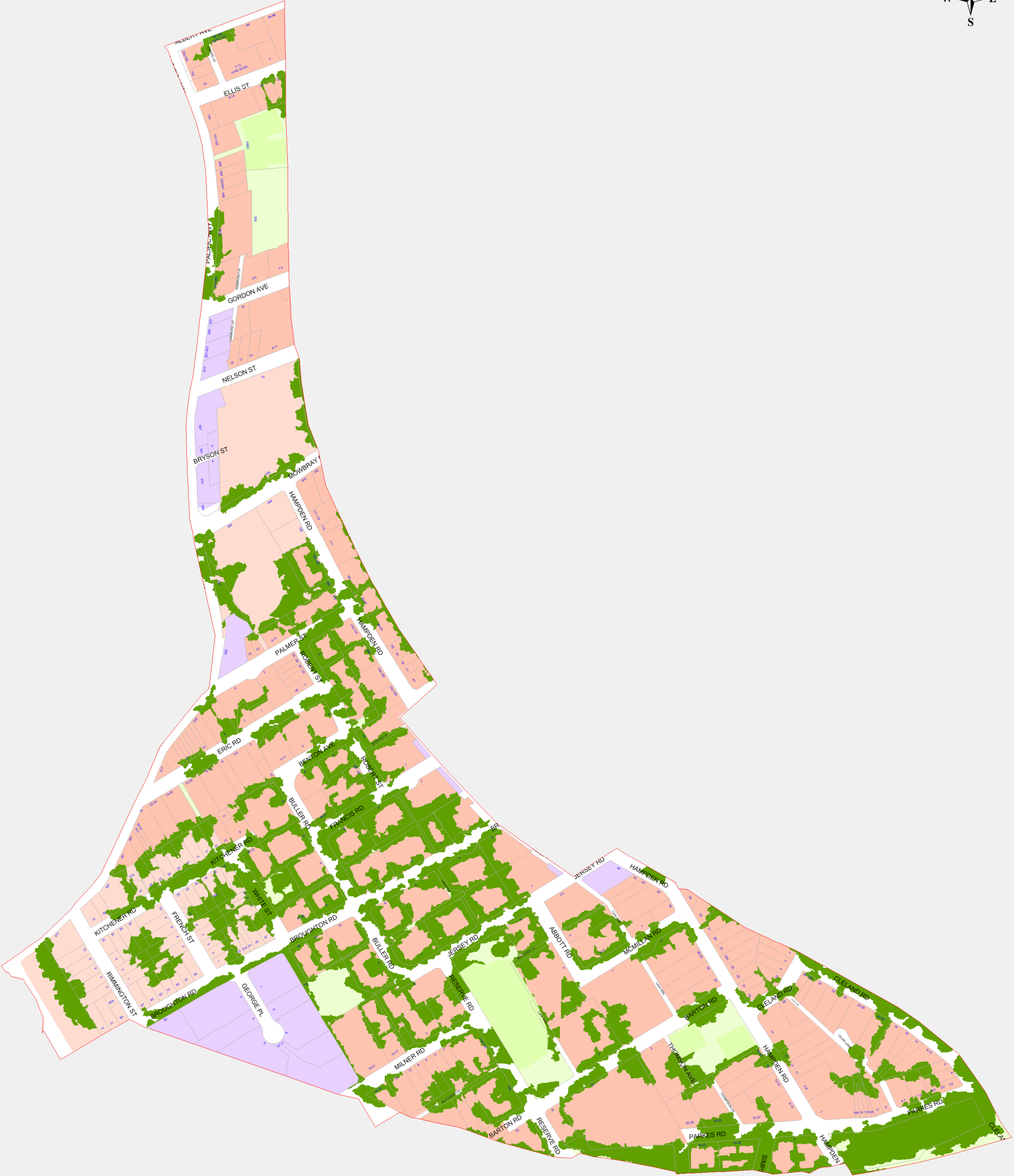
Willoughby City Councils Street Tree Master Plan.

Precinct 3

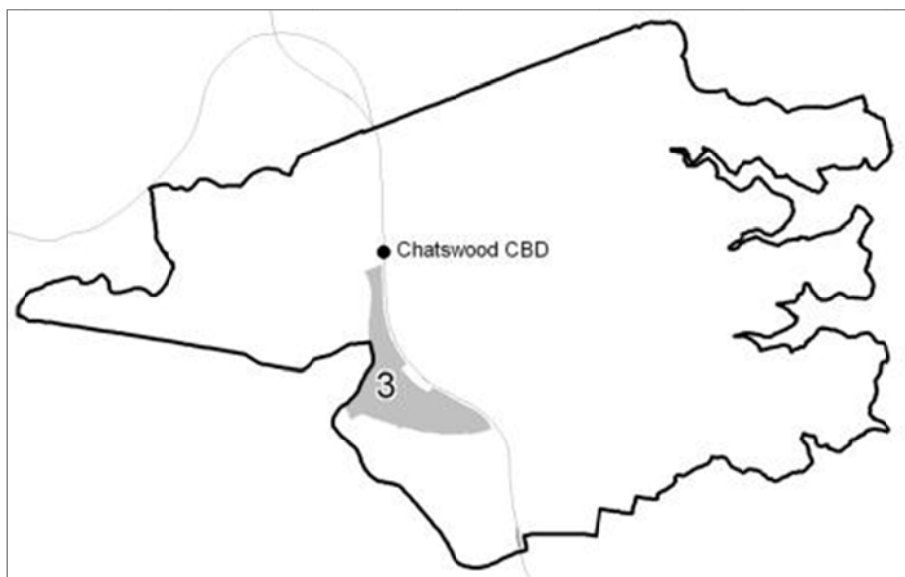
West Central



- Legend
- Grassed areas
 - Industrial and Commerial areas
 - Low density residential
 - Medium density residential
 - Sports ground
 - Vegetation
 - Water



3. West-central – medium to high density residential



Key landscape features

Geology and soils:

Wianamatta Group shales (approx. 90% of precinct) – shallow to moderately deep loams, silty-loams and clay-loam soils of low to moderate fertility;
Hawkesbury sandstone (approx. 5% of precinct) – south-eastern corner near Gore Hill Freeway – fine to medium-grained quartz sandstone and inter-bedded shale lenses; soils are typically shallow, apedal, porous sandy to sandy loams;
Disturbed terrain/ ex situ fill material (approx. 5% of precinct) – south-western edge adjoining Gore Hill Freeway.

Topography, slope and aspect:

Generally, undulating to rolling low hills with no rock outcrops grading to localised steep slopes (southern portion) with some sandstone outcropping and benches in south-east corner; aspect varies (predominantly south-east to south-west in southern portion).

Cultural landscape:

Medium to high density residential (some light industry); Artarmon railway station/ shopping centre (incl. small part of Conservation Area); Pacific Highway (western

boundary), Gore Hill Freeway (southern boundary), rail corridor (eastern boundary) and Chatswood CBD (northern boundary).



Presence of remnant native vegetation:

Parkes Road/ Cleland Road – adjacent to Artarmon Reserve and rail corridor (Remnant Blue Gum High Forest (BGHF) community); and Barton Road – adjacent to Cleland Park (remnant group of old growth *Eucalyptus saligna* (Remnant Blue Gum High Forest (BGHF) community)

Streetscape type/character:

Dominant cultural plantations including single or mixed species (native and exotic), evergreen or deciduous avenues; significant Inter-war period plantations.

PHOTO 4: Artarmon Reserve – Parkes Road streetscape
Remnant BGHF old growth group – Sydney Blue Gums (*Eucalyptus saligna*)

Heritage Conservation Areas:

1. Portion (incl. Hampden Road/ Artarmon railway station) of Artarmon Heritage Conservation Area: C1 (WDCP 2012 Part H: Heritage Item H3.2).

Historic significance:

Earliest land grants 1793-4; Timber-getting/ clearing followed by some livestock grazing during early nineteenth century; some Federation era residential development but largely Inter-war period development; Inter-war period flats (two-storey scale) are clustered near the railway station forming a cohesive and unified residential precinct.

HCA-C1 Key period of significance: 1900-1940 (WDCP, 2012, H3-4).

Significant Inter-war period (single species and mixed) plantations:

Kitchener Road (Brush Box)

Francis Road (Brush Box)

Hampden Road (north/ adjacent to railway station & south of McMillan Road)

Parkes Road (west of Hampden Road – Brush Box)

Age structure of cultural street tree plantations:

Conservation Area: Inter-war period plantations (up to 80-90 years+)

Dominant planting: varies; generic native planting (up to 30-40 years+)

PRECINCT 3: WEST-CENTRAL (MEDIUM TO HIGH DENSITY RESIDENTIAL)
Existing typical or dominant planted tree species*

Location	Tree Species (cultivated)
Hampden Road/ Cleland Road	<i>Lophostemon confertus</i> (Brush Box) <i>Jacaranda mimosifolia</i> (Jacaranda) <i>Flindersia australis</i> (Crow's Ash or Australian Teak)
Broughton Road/ Rimington Street	<i>Lophostemon confertus</i> (Brush Box) <i>Fraxinus angustifolia</i> subsp. <i>oxycarpa</i> 'Raywood' (Claret Ash) <i>Callistemon viminalis</i> (Weeping Bottlebrush)
Eric Road/ Palmer Street/ Robert Street	<i>Corymbia citriodora</i> (Lemon-scented Gum) <i>Corymbia maculata</i> (Spotted Gum) <i>Acmena smithii</i> var. <i>minor</i> (Dwarf Lilly Pilly)
Jersey Road/ McMillan Road	<i>Eucalyptus microcorys</i> (Tallowwood) <i>Corymbia maculata</i> (Spotted Gum) <i>Corymbia citriodora</i> (Lemon-scented Gum)
Parkes Road/ Barton Road/ Reserve Road	<i>Lophostemon confertus</i> (Brush Box) <i>Corymbia maculata</i> (Spotted Gum) <i>Jacaranda mimosifolia</i> (Jacaranda)
Kitchener Road/ Francis Road/ Buller Road	<i>Lophostemon confertus</i> (Brush Box) <i>Callistemon viminalis</i> (Weeping Bottlebrush)

* NOTE: Street tree planting is dominated by a wide range of exotic and generic native trees and shrubs, including various cultivars.

Key precinct objectives

- Protect and manage historic avenues of high visual and environmental integrity (i.e. Inter-war period heritage streetscapes) and provide consistency in replacement programs in accordance with heritage palettes;
- Protect and maintain the integrity and intactness of historic single species and mixed species avenues;
- Promote consistency in tree species selection ensuring continuity, unity and cohesiveness in the palettes for each street and across the precinct;
- Provide appropriate scale in selection of street tree planting consistent with medium and high density residential development in this precinct;
- Avoid infill planting strategies which add further layers of inconsistent, disjunctive and/ or mixed generic native and exotic tree species of varying scale, form and texture;
- Enhance microclimatic conditions and seasonal variation (e.g. maximise shade in summer, sun in winter);
- Promote strategies to supplement and enhance native tree canopy adjacent to Artarmon Reserve/ rail corridor using provenance-sourced material

consistent with critically endangered Blue Gum High Forest (i.e. avoid use of generic native species in this context).

PRECINCT 3: WEST-CENTRAL (MEDIUM TO HIGH DENSITY RESIDENTIAL)						
Proposed street tree species						
Tree Species	Common Name	evergreen	deciduous	habit/form¹	verge width²	power-lines³
<i>Acmena smithii</i> var. minor	Lilly Pilly (incl. cv)**	E	-	cr	N	Y
<i>Angophora costata</i> (BGHF)*	Smooth-barked Apple	E	-	os	M	N
<i>Backhousia citriodora</i>	Lemon-scented Myrtle	E	-	cr	M	N
<i>Backhousia myrtifolia</i> (BGHF)*	Grey Myrtle	E	-	cr	N	Y
<i>Eucalyptus paniculata</i> (BGHF)*	Grey Ironbark	E	-	os	W	N
<i>Eucalyptus pilularis</i> (BGHF)*	Blackbutt	E	-	os	W	N
<i>Eucalyptus saligna</i> (BGHF)*	Sydney Blue Gum	E	-	os	W	N
<i>Flindersia australis</i>	Australian Teak	E	-	cs	M	N
<i>Gordonia axillaris</i>	Gordonia	E	-	cu	M	Y
<i>Jacaranda mimosifolia</i>	Jacaranda	-	D	os	M	N
<i>Lagerstroemia indica</i> x <i>L. fauriei</i> var.	Crepe Myrtle cv.***	-	D	cu	M	Y
<i>Lophostemon confertus</i>	Brush Box	E	-	cr	W	N
<i>Syncarpia glomulifera</i> (BGHF)*	Turpentine	E	-	cs	W	N
<i>Syzygium luehmannii</i>	Cherry Satinash	E	-	cu	N	Y
<i>Tristaniaopsis laurina</i> 'Luscious'	Water Gum 'Luscious'	E	-	cr	M	Y
<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	E	-	cs	M	N

NOTES: Species are shown in alphabetical order and do not denote dominance or ranking.

* Local native species and ecological community

BGHF = Blue Gum High Forest (critically endangered EEC)

** *Acmena smithii* var. *minor* including psyllid-resistant cultivars "Red Head" (burgundy red new foliage) and "Sublime" (lush green new foliage).

*** *Lagerstroemia indica* x *L. fauriei* select cultivars including "Acoma", "Sioux", "Natchez" and "Tuscarora".

¹HABIT/ FORM OF TREE

c = compact/dense foliage; o = open crown/ canopy;

upright = u; r = rounded; s = spreading; n = narrow/columnar or pyramidal.

²MINIMUM VERGE WIDTH (incl. footpath):

N = narrow (<2.5 metres)

M = medium (2.5-4.0 metres)

W = wide (>4.0 metres)

³PLANTING UNDER POWER-LINES (incl. ABC):

Item denotes suitability for planting under overhead power-lines or aerial bundled cabling:

N = NO; Y = YES



Lilly Pilly
Acmena smithii



Smooth-barked Apple
Angophora costata



Outeniqua Yellowwood
Afrocarpus falcatus



Lemon-scented Myrtle
Backhousia citriodora



Tree Waratah
Alloxylon flammeum



Grey Myrtle (immature)
Backhousia myrtifolia



Tuckeroo
Cupaniopsis anacardioides



Red Bloodwood – bark detail
Corymbia gummifera



Eumundi Quandong
Elaeocarpus eumundi



Heart-leaf Stringybark – leaf detail
Eucalyptus camfieldii



Broad-leaved Scribbly Gum
Eucalyptus haemastoma



Sydney Peppermint
Eucalyptus piperita



Narrow-leaved Scribbly Gum
Eucalyptus racemosa



Sydney Blue Gum
Eucalyptus saligna



Australian Teak
Flindersia australis



Bumpy Ash
Flindersia schottiana



Cheese Tree
Glochidion ferdinandi



Gordonia
Gordonia axillaris



Purple-leaf Hibiscus
Hibiscus tiliaceus var. *rubra*



Jacaranda
Jacaranda mimosifolia



Crepe Myrtle cv. Yuma
Lagerstroemia indica x *L. fauriei*



Southern Magnolia cv. Exmouth
Magnolia grandiflora 'Exmouth'



Ornamental Pear – autumn foliage
Pyrus calleryana 'Chanticleer'



Turpentine
Syncarpia glomulifera



Cherry Satinash
Syzygium luehmannii



Weeping Lilly Pilly
Waterhousea floribunda



Water Gum cv. Luscious
Tristaniaopsis laurina 'Luscious'



Golden Penda
Xanthostemon chrysanthus