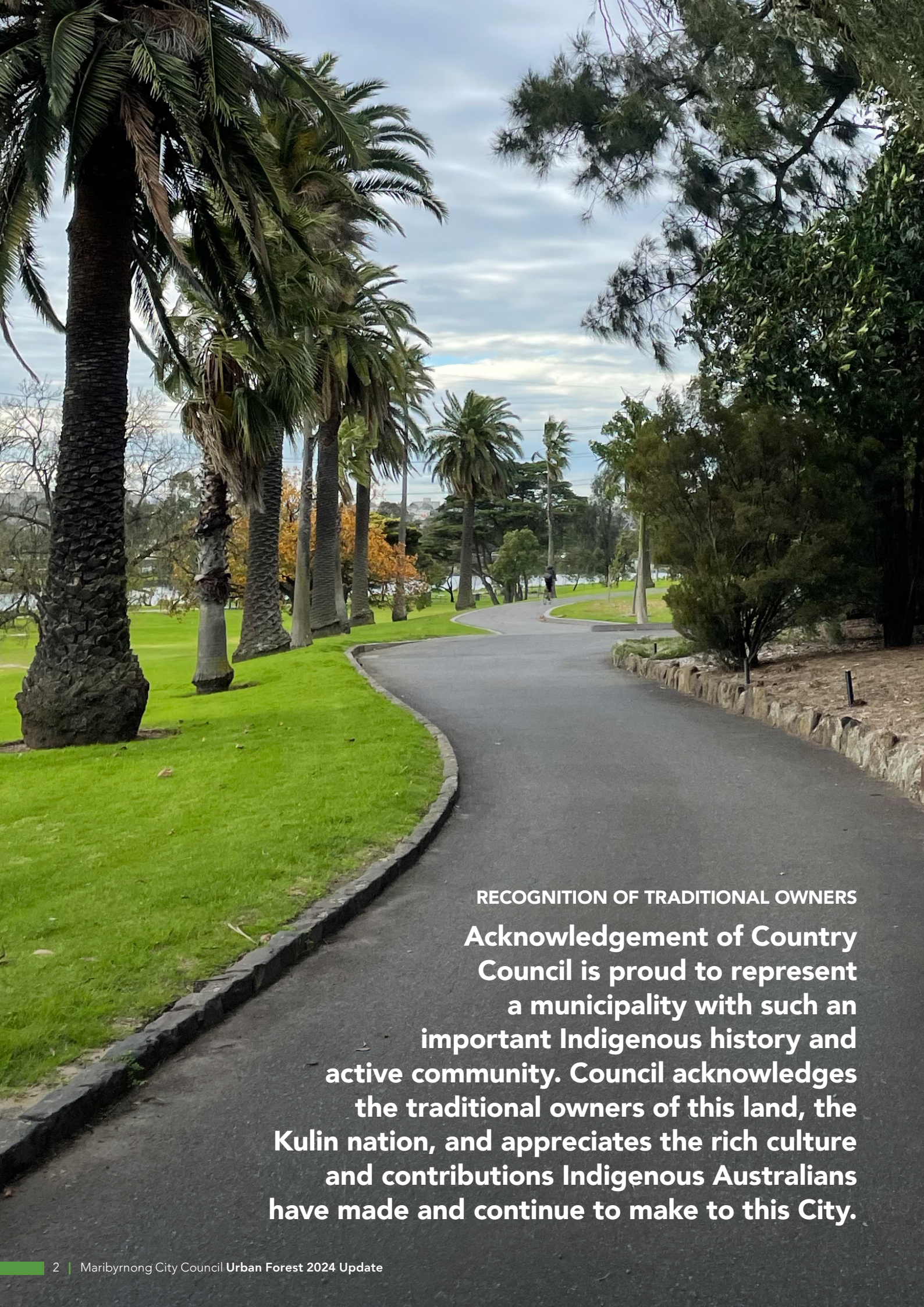















Urban Forest 2024 Update





RECOGNITION OF TRADITIONAL OWNERS
Acknowledgement of Country
Council is proud to represent
a municipality with such an
important Indigenous history and
active community. Council acknowledges
the traditional owners of this land, the
Kulin nation, and appreciates the rich culture
and contributions Indigenous Australians
have made and continue to make to this City.

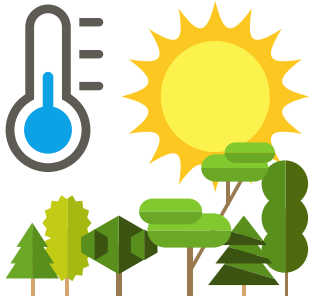
COUNCIL VISION	An inclusive, flourishing, progressive city that cares for both its residents and its environment						
COUNCIL OBJECTIVES	 Safe climate and healthy environment	 Liveable neighbourhoods	 A place for all	 Future focussed	 Ethical leadership		
PRINCIPLES AND AIMS FOR THE URBAN FOREST	Accessible			Aesthetic		Connected	
	Diverse			Equitable		Resilient	
	Safer			Social		Inclusive	
DIRECTIONS	 Shaded hard surfaces		 Better awareness of the value and benefits of trees		 Improved amenity and neighbourhood character		
	 Cooler, healthier neighbourhoods		 Urban Greening		 Mitigate Urban Heat Island Effect		
	 Health and wellbeing outcomes			 Resilient tree species selection			
PRIORITIES	LARGER CANOPY trees planted across the city		ADVOCATE for more tree planting in major infrastructure projects		PLANT trees in urban heat hot spots		INNOVATE explore planting locations
ACTIONS	<p style="text-align: center;">ACTIONS UNDERWAY</p> <hr/> <p style="text-align: center;"> INCREASING tree planting on public land DIVERSITY of tree species PRIORITISED tree planting in highly utilised areas </p> <p style="text-align: center;">ENABLING ACTIONS</p> <hr/> <p style="text-align: center;"> Modernise data capture and analysis Refresh tree asset management data set Develop Urban Forest Resilience monitoring framework </p>						

Benefits of trees

Environmental benefits of trees

AIR TEMPERATURE

Reduce daytime temperatures by between **5°-20°C**



AIR POLLUTION

Large healthy trees can remove between

60-70 times more air pollution than smaller trees



WIND SPEEDS

50% wind speed reduction



COOLING SURROUNDING AREA

Mature trees on your street can reduce temperatures for up to **30 metres**

COOLING

One

mature tree can produce the same cooling effect as 10 room sized air conditioners



Economic benefits of trees

SUMMER COOLING COSTS

27% Decrease with trees



WINTER HEATING COSTS

15% Heating energy savings with trees



HOUSE PRICES

Increase property values in tree lined streets of between

5-15%



Social benefits of trees

CRIME

Reduction of up to **50%** in areas with vegetation



REDUCING STRESS

By helping **interrupt** thought patterns that lead to anxiety and depression



IMPROVED HEALTH

Access to trees and green space encourages people to **exercise** lowering their risk of chronic illnesses





Maribyrnong's Urban Forest

Population

Canopy cover

2018

8.3%



2040 Goal

20%



Street tree population
37,753



Open Space
tree population
12,050



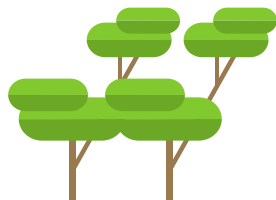
Number of trees
planted since 2018

13,844



20 years

until a tree can
actively contribute
to canopy cover



Total tree population
on public land in 2021

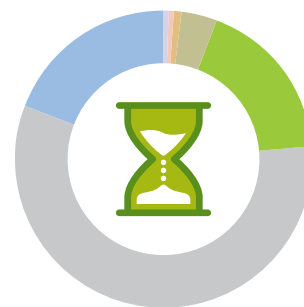
49,803

and **46,463** in 2013

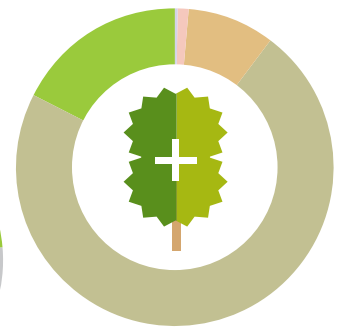


ULE Category	ULE %
Unknown	0.01%
<1 year	0.62%
1-5 years	0.64%
6-10 years	0.93%
11-20 years	3.73%
21-30 years	17.87%
31-60 years	57.27%
>61 years	18.92%
Grand Total	100.00%

Useful Life Expectancy

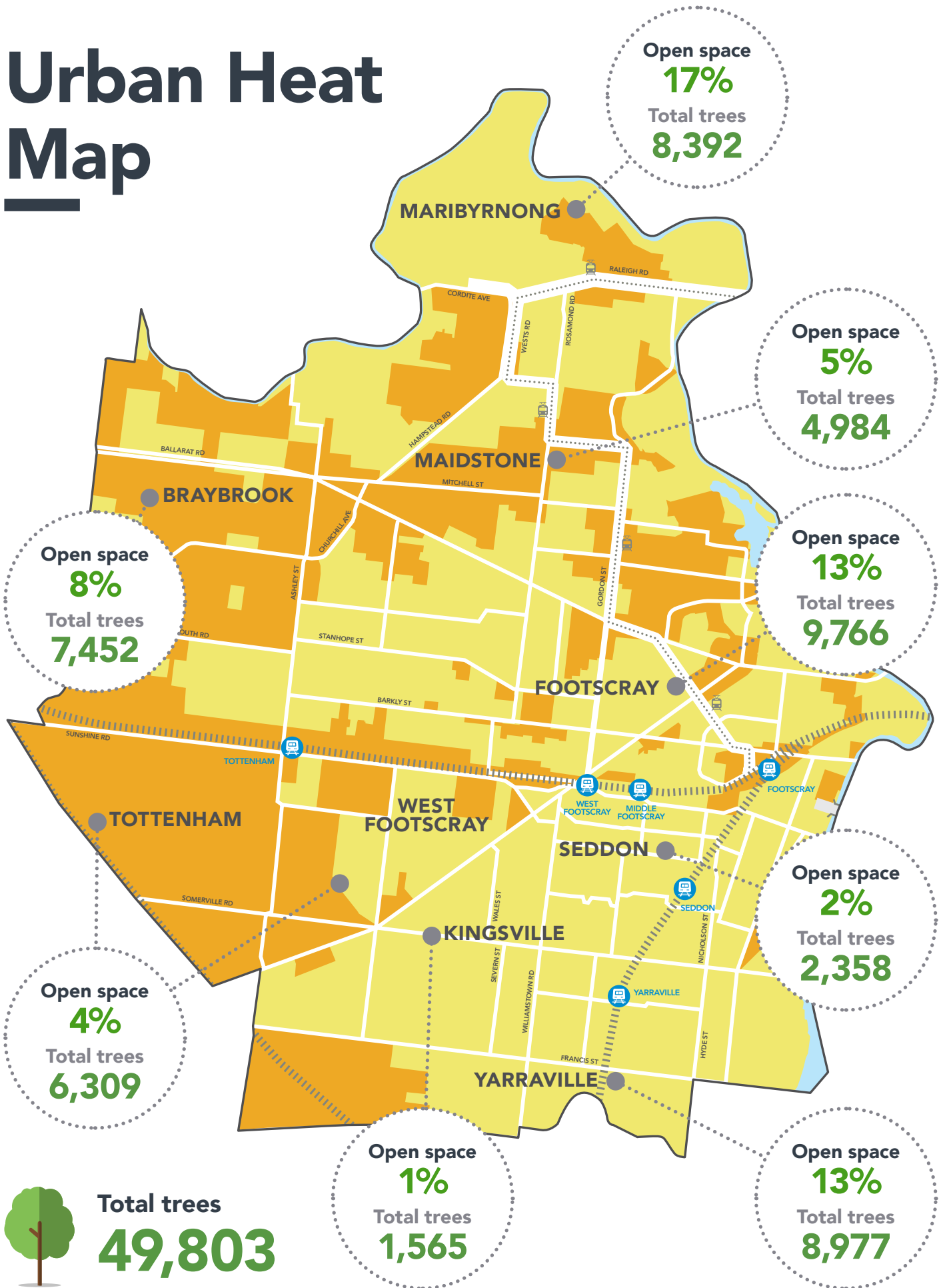


Tree health



Health Status	% of the Urban Forest
Unknown	0.02%
Unviable	0.42%
Poor health	1.01%
Fair	8.87%
Good	72.18%
Very good	17.50%

Urban Heat Map



Total trees
49,803



Resilience

Factors that contribute to a resilient urban forest include:

- a diverse range of tree species
- long useful life expectancy
- good health.

As Maribyrnong is in close proximity to the Port Melbourne docks, there is a high risk for pest and disease invasion.

Scientific Classification	Botanical Name	Common Name	Percentage
Genus	<i>Eucalyptus</i>	Gum	14.63%
Species	<i>Ulmus parvifolia</i>	Chinese Elm	5.83%

Genus	Common Name	Count	Percentage	Canopy Quality Rank
<i>Eucalyptus</i>	Gum	7,287	14.63%	5
<i>Pyrus</i>	Pear	4,483	9.00%	4
<i>Ulmus</i>	Elm	3,806	7.64%	1
<i>Corymbia</i>	Flowering Gum	3,412	6.85%	6
<i>Melia</i>	White Cedar	2,945	5.91%	2
<i>Lophostemon</i>	Brushbox	2,481	4.98%	3
<i>Melaleuca</i>	Paperbark	1,921	3.86%	7
<i>Callistemon</i>	Bottlebrush	1,909	3.83%	8
<i>Acacia</i>	Wattle	1,634	3.28%	10
<i>Lagerstroemia</i>	Crepemyrtles	1,606	3.22%	9

Maturity

Mature trees have the most impact and provide the most benefits in the urban landscape. In Maribyrnong, 79% of the urban forest is yet to mature so the full beneficial impacts of our urban forest is yet to be experienced by the community. Trees can take up to 20 years (species dependent) to reach maturity.

This also adds to Maribyrnong’s Urban Forest resilience. The best time to plant a tree was 20 years ago but the second best time is now.

Threats to our Urban Forest

- Climate Change
- Diverse community attitude to trees
- Urban sprawl and compact land use
- Removal requests
- Removal of trees on private land.

Priority Actions

Progress

Priority Action

1	Advocate for more tree planting in major infrastructure projects	✓	Underway
2	Larger canopy trees planted across the city	✓	Underway
3	Planting trees in urban heat hot spots and shading hard surfaces	✓	Underway
4	Continue to explore innovative planting locations	✓	Underway



Key Success

	Underway	Complete	Ongoing
The following are from the street tree planting strategy:			
Completion of the 10 year Street Tree Planting Strategy			
Adopt and maintain industry best practice for the selection, installation, establishment and management of street trees			
Build a diverse street tree population of many families, genera and species			
Improve the wellbeing of residents by creating green, attractive and sustainable streets			
Identify innovative opportunities for increased tree planting and green space in streets including such as kerb outstands, median, roundabout and nature strips			
Continue to work and negotiate closely with VicRoads and other authorities to explore tree planting opportunities in non Council infrastructure projects			
Review and update preferred and adaptive species list considering viability and availability of stock			
Maintain a diversity of tree species throughout Maribyrnong's streets, parks and reserves including both native and exotic species in alignment with other Council strategic priorities			
Investigate and trial tree species tolerant of predicted change in local climate and innovative planting typologies in alignment with other Council strategic priorities			
Participate in the Greening the West program with neighbouring Councils , VicRoads and City West Water			
Continue to monitor and enforce conditions on planning permits			
Prioritise canopy tree planting in activity centres, along pedestrian routes and known heat spots			
Collaborate with surrounding municipalities, waterway managers and community groups to enhance biodiversity links within and outside of Maribyrnong			
Measure public street and park tree species diversity			
Continue to use dollar bonds to protect public trees during development works and explore further the use of bonds to protect vegetation in open space adjoining development works			



Home Grown

This is Chris Hooper, one Maribyrnong's in-house Arborists. And this is a Chinese Elm Chris planted in 1994. We hope the trees we plant this year will look like this in 30 years' time!



Maribyrnong City Council

Mail address PO Box 58, West Footscray Vic 3012
Phone 03 9688 0200
After hours/emergency 03 9688 0200
Fax 03 9687 7793
Email email@maribyrnong.vic.gov.au

maribyrnong.vic.gov.au

Connect with us

 [/maribyrnongcc](https://twitter.com/maribyrnongcc)

 [/Maribyrnong](https://www.facebook.com/Maribyrnong)

 [@cityofmaribyrnong](https://www.instagram.com/cityofmaribyrnong)



National
Relay
Service

TIS 131 450

If you are deaf, hearing-impaired, or speech-impaired,
please use the National Relay Service

TTY 13 36 77

Speak and listen 1300 555 727

relayservice.com.au