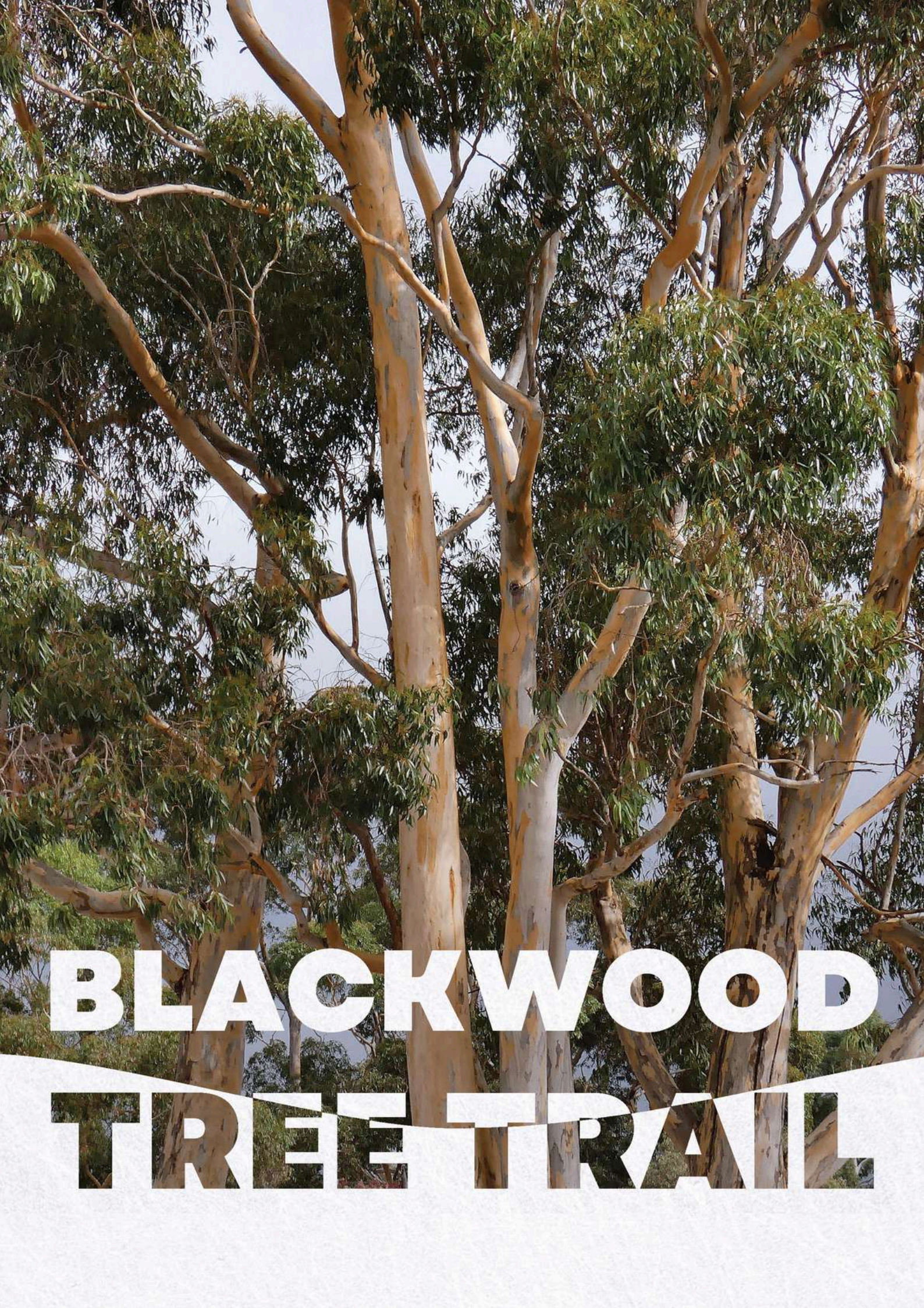


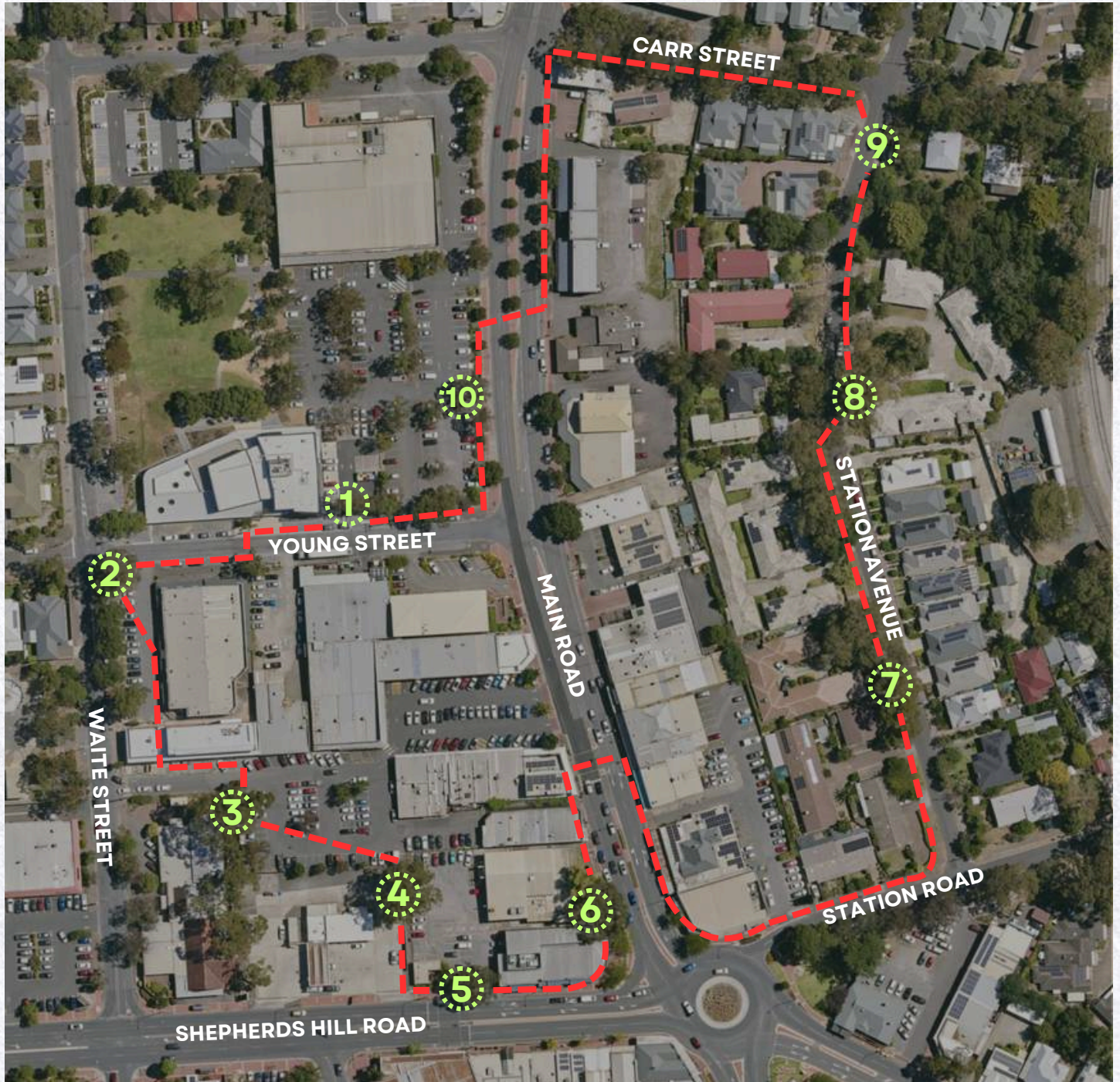


BLACKWOOD TREE TRAIL

TREE TRAIL MAP

TRAIL PATH 

FEATURED TREE 



With an approximate length of 1.2km, the trail starts outside Tiwu Kumangka, on Young Street, Blackwood.

Make sure to be aware of traffic during your walk and cross the roads at the designated pedestrian crossings.



Trees For Future
Mitcham

WHAT THE NUMBERS MEAN

We've included interesting facts and statistics about each tree that forms part of the trail. Data for each tree has come from i-Tree. i-Tree is an internationally recognised, peer-reviewed software suite from the USDA Forest Service that provides urban and rural tree analysis and benefits assessment tools.



Tree Height - Calculated using the most recent LiDAR scanning from the SA Department of Environment and Water. You can check the height of your own trees by visiting: <https://data.environment.sa.gov.au/>



Trunk Circumference - Measured at 1.4 metres above natural ground level as required by the iTree assessment.



Air Pollution - The tree's impacts on air pollution are calculated by iTree and cover things like the removal of carbon monoxide, nitrogen and sulphur dioxide and particulate matter that has a diameter of 2.5 micrometers or less.



Rainfall Capture - Calculated by iTree, this is the amount of rainfall that the tree will capture. Trees absorbing stormwater reduces flooding and the need to upgrade stormwater infrastructure which is costly.



Carbon Sequestered - Calculated by iTree, the amount of carbon stored by the tree in Kilograms.



Shade Provided - The number of square metres of shade provided by the tree.



This tree is on private land, so make sure to stay on the footpath while admiring it!

THE IMPORTANCE OF HOLLOWS

Older trees make an invaluable contribution to our environment.

You'll notice that the carbon storage for some of the massive older trees is lower than you might expect. Like people, trees are better at different things at different stages of their life. For old trees, carbon uptake for storage slows, but they remain excellent carbon storage centres. Once removed and chipped, the carbon breaks down and goes back into the atmosphere, so keeping them is critically important.



The added bonus of old trees? Only they can give us great hollows!

Tree hollows are vital for biodiversity, providing essential shelter, nesting sites, and protection from predators and weather for hundreds of animal species. These natural cavities take decades to centuries to form in old trees.

GREY BOX

EUCALYPTUS MICROCARPA



15m TALL



2.7m TRUNK



**161,300 LITRES
OVER 20 YEARS**



**508m² OF SHADE
PROVIDED**



**2,027kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

Street trees help cool our suburbs, but with canopy loss on private land, protecting mature trees and planting new ones is essential. Councils like the City of Mitcham face limits on planting due to underground services and powerlines. This tree was once heavily pruned for powerlines, but since they've been moved underground, it can now grow more canopy and provide greater benefits.

RIVER RED GUM

EUCALYPTUS CAMALDULENSIS



17.5m TALL



2.68m TRUNK



**195,665 LITRES
OVER 20 YEARS**



**508m² OF SHADE
PROVIDED**



**2,128kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

There are more than 700 species of Eucalyptus predominantly native to Australia. This tree is a River Red Gum, potentially the most iconic and recognised species of Eucalyptus. They earned their name from the red colour of the cut wood.

Trees can be home to many insects. Can you spot any Brown Shield Bugs (Poecilometis apicalis nymphs)?



SUGAR GUM

EUCALYPTUS CLADOCALYX



**817,255 LITRES
OVER 20 YEARS**



**1,076m² OF SHADE
PROVIDED**



**9,982kg OF CARBON
OVER 20 YEARS**

TREE THOUGHTS

Pocket parks like Barty's Park offer a connection with nature in the urban environment. They also have some super-hero abilities, improving mental health and helping to reduce urban heat islands - areas that are extra hot due to hard surfaces.

Increasing canopy, avoiding artificial turf, which gets hotter than bitumen, and increasing permeable surfaces are all simple & effective ways to help counter urban heat islands.

SUGAR GUM

EUCALYPTUS CLADOCALYX



14.3m TALL



2.8m TRUNK



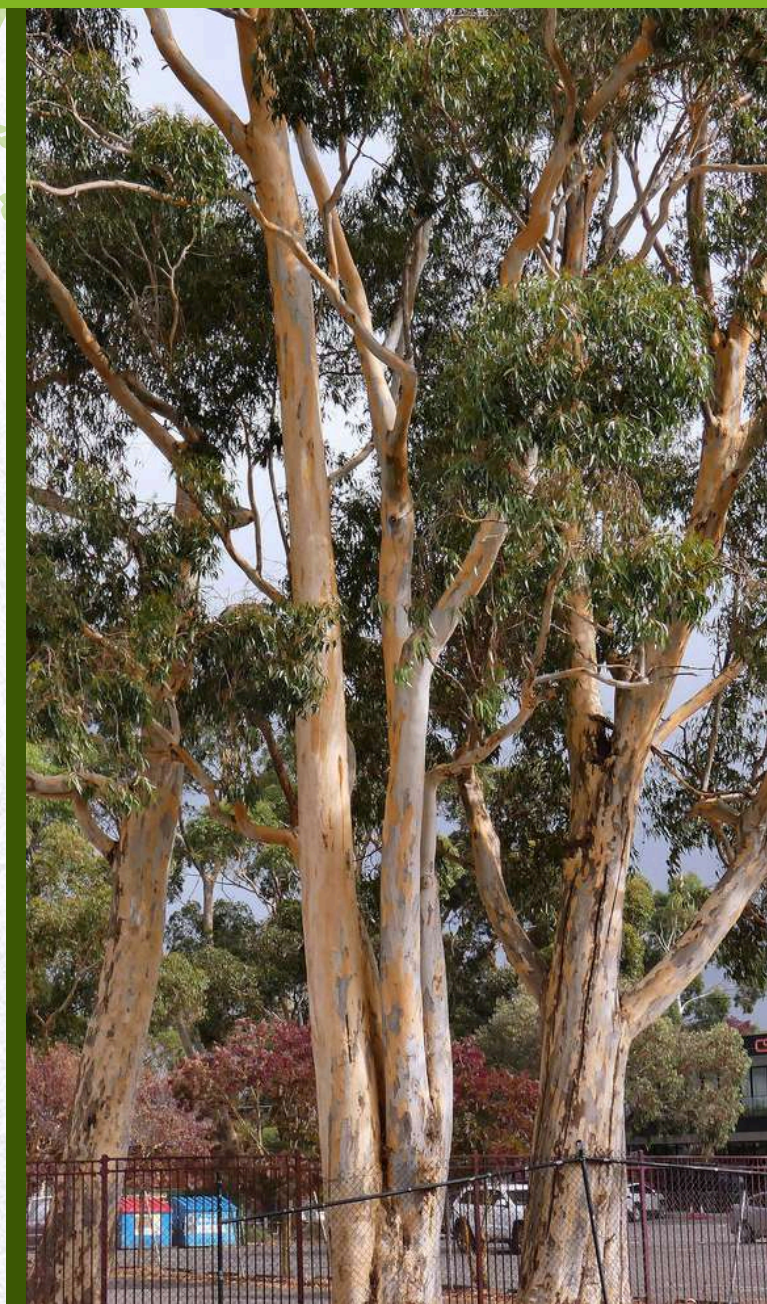
**416,285 LITRES
OVER 20 YEARS**



**556m² OF SHADE
PROVIDED**



**600kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

Over summer, do you notice a significant temperature difference under these trees compared with the carpark? Trees can decrease temperatures by up to 7°C!

Trees also cool the environment through a process called evapotranspiration. Sunlight absorbed by the leaves causes water to evaporate, cooling the air around them—a bit like how sweat cools our skin!

GREY BOX

EUCALYPTUS MICROCARPA



14.3m TALL



2.8m TRUNK



**201,573 LITRES
OVER 20 YEARS**



**326m² OF SHADE
PROVIDED**



**2,042kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

This tree is a Grey Box. Grey Box used to dominate the landscape of the local area, with significant proportions of the Mitcham Hills covered by Grey Box Grassy Woodlands. Nationally, this ecological community was widespread across central New South Wales through northern Victoria and into South Australia. Today, it is estimated that only 10-15% of its original national extent remains and in South Australia, this is less than 8%. In 2010, the Federal government listed Grey Box Grassy Woodlands as an endangered ecological community.

LEMON-SCENTED GUM

CORYMBIA CITRIODORA



14m TALL



2.4m TRUNK



**2,753kg OF CARBON
OVER 20 YEARS**



**712m² OF SHADE
PROVIDED**



**158,376 LITRES
OVER 20 YEARS**

TREE THOUGHTS

The name of this tree is a bit misleading! Despite being a 'Gum', this Lemon-Scented Gum is actually part of the *Corymbia* genus. Although closely related, the distinction lies in botanical characteristics such as floral structure and seed capsules. The Lemon Scented Gum is recognized for its smooth, pale bark, lemon-scented foliage, and tall stature.



This tree is on private land, so make sure to stay on the footpath while admiring it!

SOUTH AUSTRALIA BLUE GUM

EUCALYPTUS LEUCOXYLON



24m TALL



3.8m TRUNK



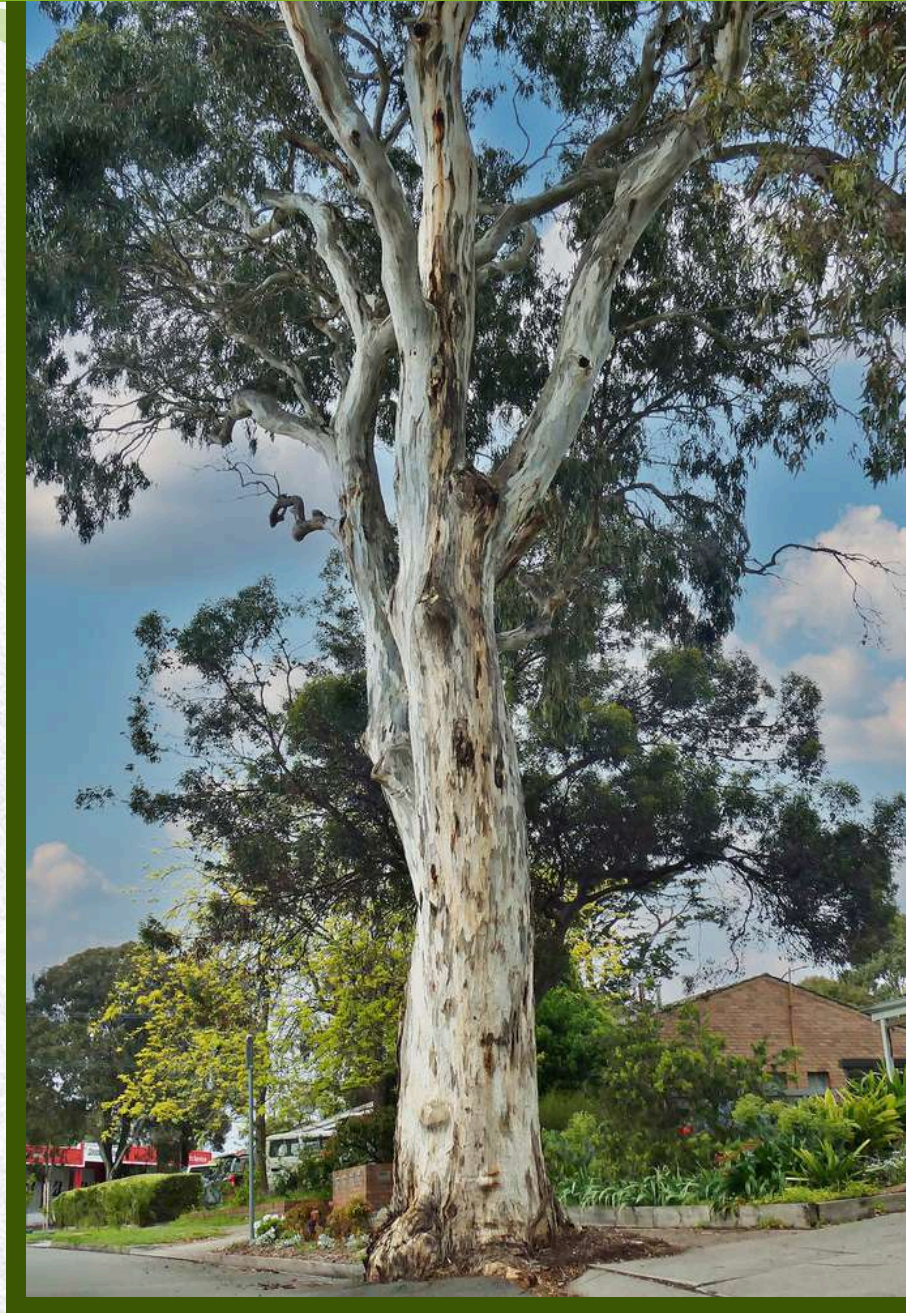
**263,337 LITRES
OVER 20 YEARS**



**PROVIDES 684 m²
OF SHADE**



**16kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

This is a character 'street' tree! Street trees are vital for urban well-being, offering aesthetic beauty, improved air quality, and crucial shade. They mitigate the urban heat island effect, enhance walkability, and contribute to biodiversity, making cities more sustainable and liveable. They also make an important contribution to human health - both mental & physical.

RIVER RED GUM

EUCALYPTUS CAMALDULENSIS



27m TALL



6.8m TRUNK



**654,346 LITRES
OVER 20 YEARS**



**1,315m² OF SHADE
PROVIDED**



**14kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

This is a massive River Red Gum that most likely pre-dates European Settlement of the area. The fact that it has been retained inside the block of units here is wonderful and something that happens infrequently today, despite the fact that many of us would like to see more trees retained. The decisions made by developers do not necessarily reflect community preferences, yet it remains possible to retain trees and have a higher density of residential living.



This tree is on private land, so make sure to stay on the footpath while admiring it!

GREY BOX

EUCALYPTUS MICROCARPA



13m TALL



1.3m TRUNK



**100,774 LITRES
OVER 20 YEARS**



**135m² OF SHADE
PROVIDED**



**1,065kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

Sometimes retaining trees can require a bit of extra effort! The City of Mitcham constructed the footpath around this tree in 2023, allowing it to continue to thrive. It is often tempting to get the chainsaw out and go for the easy solution. In this situation, due to the nature of the surface below it and connection to the creek, it would be very tricky to get a new tree established. This solution allows for the tree and pedestrian connectivity to be retained - the best of both worlds! Projects like this are one reason why the City of Mitcham is recognised as a "Tree City of the World", an international recognition programme.

GREY BOX

EUCALYPTUS MICROCARPA



13m TALL



3.8m TRUNK



**196,933 LITRES
OVER 20 YEARS**



**76m² OF SHADE
PROVIDED**



**244kg OF CARBON
OVER 20 YEARS**



TREE THOUGHTS

This Grey Box tree is most likely extremely old! Grey box are slow-growing trees and this particular specimen contains hollows. Tree hollows are vital for biodiversity, serving as essential nesting and shelter spaces for birds, mammals, and insects. Preserving trees with hollows is crucial for maintaining healthy wildlife populations and ecological balance. Nesting boxes in younger trees are often viewed as a viable alternative to hollows in old trees, but their thermal qualities are poorer - critically important in a warming climate - and they require maintenance. If properly done, this is approx \$250 per year, per nesting box.

RETAINING OUR URBAN FOREST

The City of Mitcham has the highest levels of tree canopy cover of any Council in South Australia. We can't take our urban forest for granted though, so here are some ways to make sure our suburbs stay leafy! There is a role for everyone to play.

NOMINATE MITCHAM'S



TREE OF THE MONTH

VOLUNTEER AT A



BUSH FOR LIFE SITE

EXPLORE MITCHAM'S



URBAN FOREST MAP

REQUEST A STREET



TREE PLANTING

BLACKWOOD TREE TRAIL

This tree trail has been put together by volunteers from Trees for the Future, Mitcham. We would like to thank the following:

KEY SUPPORTERS:



**Marianne Broug
Photography**

OTHER SUPPORTERS:

SA Power Networks, Black Cat Printing, Blackwood Action Group,
Telstra, Emeritus Professor Derek Leinweber



Please return me for re-use if you have finished the trail!