


Department of Planning,
Lands and Heritage



Western
Australian
Planning
Commission

Urban Tree Canopy Dashboard

The Western Australian Planning Commission's Urban Tree Canopy Dashboard offers an interactive snapshot of the extent of tree canopy coverage across the Perth and Peel regions.

The dashboard uses spatial data gathered from high resolution aerial imagery through the CSIRO's Urban Monitor program and analysed by the Department of Planning, Lands and Heritage, to measure and monitor tree canopy trends across Perth and Peel. Local governments can use the data to track their tree canopies over time.

Tree canopy data from 2014 to 2020 can be searched either by suburb or local government area and is categorised into Street blocks (combined lots), Roads, and Parks.




Canopy data is presented at three height levels and by total canopy coverage above three metres.

Further data is shown by land ownership and local planning scheme zones, and can indicate trends and suburb comparisons.

To ensure consistent comparisons, the same lot boundaries are used each year, regardless of any boundary changes.

More information is available online at [Better urban forest planning - Perth and Peel \(www.wa.gov.au\)](#).

Please email any questions to SpatialAnalysts@dph.wa.gov.au

There are also links to data on Canopy Cover, Change in Canopy Cover and Urban Forest Mapping.

Includes an overview of the development of the Dashboard and what it measures.
(More detailed information is provided in the FAQs and metadata).

Background from Simon Miller

The screenshot displays the 'Canopy Cover Explorer' web application. At the top, the Department of Planning, Lands and Heritage and the Western Australian Planning Commission logos are visible. The interface includes a 'Suburb' dropdown menu (highlighted with a red box and callout 1) set to 'MELVILLE'. Below this, a 'Local government authority' dropdown is set to 'MELVILLE, CITY OF'. The main content area is divided into several sections:

- Information:** Includes icons for 'STREET BLOCKS', 'ROADS', and 'PARKS'.
- 2020 Canopy cover:** A table showing canopy cover percentages for different height bands (3m, 3-8m, 8-15m, >15m) and no canopy cover.
- Change in canopy cover:** A table showing the percentage change in canopy cover for the same height bands and no canopy cover.
- Land use category proportions:** A pie chart showing the proportions of Street Block (orange), Roads (dark grey), and Parks (green) land use categories.
- Canopy cover vs no cover:** A bar chart comparing the proportions of canopy cover (green) and no canopy cover (grey) for Street Block, Roads, and Parks.
- Canopy cover by height and ownership:** A bar chart showing canopy cover percentages by height band and ownership type (e.g., State Government, Private, etc.).
- Canopy cover by height and LPS zone:** A bar chart showing canopy cover percentages by height band and LPS zone (e.g., Public open space, Local roads, etc.).
- Location map:** A map showing the location of Melville within the Perth metropolitan area.

Numbered callouts (1-7) provide additional context:

- Select the suburb you wish to view. You may need to click in the header again to clear the drop-down box.
- Shows the proportions of land within the canopy cover category for the selected suburb.
- Shows the proportions of canopy in each category as a percentage of the whole suburb.
- Shows canopy by height band and land ownership; and by height band and local planning scheme zone.
- Shows the proportions of canopy cover by height bands and the area of no canopy cover category.
- Shows the suburb location.
- Click Change in canopy cover to go to the next page.

Department of Planning, Lands and Heritage | Western Australian Planning Commission

Suburb: **ATTADALE** | Local government authority: **MELVILLE, CITY OF**

2020 Canopy cover | Change in canopy cover

Canopy cover >3m	Trees 3-8m	Trees 8-15m	Trees >15m	No canopy cover
12%	8%	3%	1%	88%
15%	9%	5%	1%	85%

Land use category proportions

- Street Block (Orange)
- Roads (Black)
- Parks (Green)

Canopy cover vs no cover

Canopy cover by ownership type

Ownership Type: **State Government**

Trees 8-15m as % of Area: **7%**

Total No. of Lots: **31**

Total Canopy Cover ha: **10**

Total Canopy Coverage %: **18%**

Hover your cursor over a figure to get more information in a pop-up box.

The screenshot displays the Canopy Cover Explorer web application interface. The interface is divided into several sections:

- Top Navigation:** Includes logos for the Department of Planning, Lands and Heritage and the Western Australian Planning Commission. It features a 'Suburb' dropdown menu (set to 'ATTADALE') and a 'Local government authority' dropdown menu (set to 'MELVILLE CITY OF'). Below these are 'Select year' buttons for 2014, 2016, 2018, and 2020.
- Left Panel:** Contains two line graphs. The top graph, 'Canopy cover by height categories (ha)', shows trends for three height bands: Trees 3 - 8m (red), Trees 8 - 15m (green), and Trees 15m+ (blue). The bottom graph, 'Canopy cover as percentage of area', shows trends for Street Block (red), Roads (green), and Parks (blue).
- Center Panel:** Displays 'Suburb canopy % parks, roads and street block' as a table.

Year	Parks	Roads	Street Block
2014	ATTADALE 14%	12%	11%
2016	ATTADALE 17%	13%	12%
2018	ATTADALE 20%	14%	12%
2020	ATTADALE 19%	15%	12%
- Right Panel:** Features a bar chart titled 'Local government canopy % by year' showing canopy cover percentages for 2014, 2016, 2018, and 2020. Below the chart is a 'Location map' showing the suburb of Attadale within the Melville Water area.

Numbered callouts highlight specific features:

1. Reselect the suburb you wish to view.
2. Shows canopy growth from 2014 to 2020 by height bands (measured in hectares).
3. Shows canopy trends (percentage) from 2014 to 2020 by Street, Roads and Parks.
4. Shows canopy by height band and land ownership; and by height band and local planning scheme zone.
5. Shows a bar graph of the middle panel and the suburb as a proportion of its local government area.
6. Shows the suburb location map.