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GOVERNMENT OF WESTERN AUSTRALIA

Panel discussion– Questions on previous presentations

Individual Survey

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Urban Monitor
Urban Tree Canopy Statistics

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Urban Tree Canopy Statistics
At a Glance

- In 2016 overall canopy was about **16%**
- Between 2009 and 2016 there was an gain of about **4%.**
- From 2009 to 2016 canopy on average has increased in parks about 7% and 2.5% in road verges and on lots.
- Annual Average Canopy growth is 1.1% for parks, 0.3% for street trees and 0.34% for trees on lots.
- Underground power allows street tree canopy to almost **DOUBLE**.
- About **75%** of tree canopy is lost on a lot with development in established suburbs.

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Urban Tree Canopy Statistics

Factors

The amount of tree canopy cover in suburbs is a product of several factors, such as:

- physical environment (landform, drainage, soils)
- the age of the suburb
- the road structure
- the subdivision pattern
- lot sizes
- land uses
- the built form
- the town planning scheme zoning
- redevelopment

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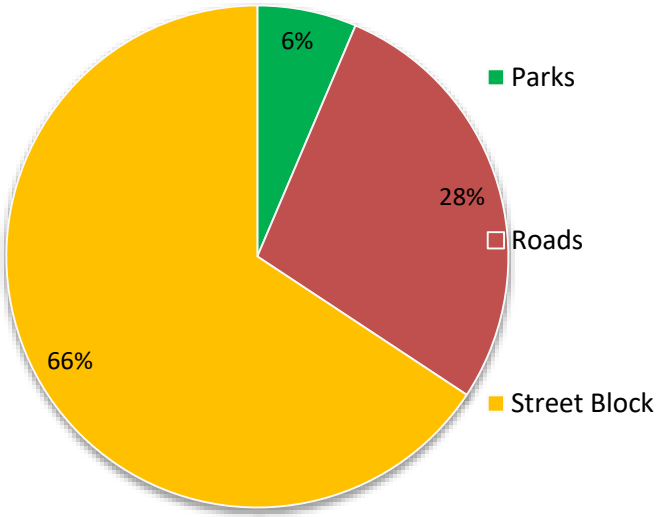
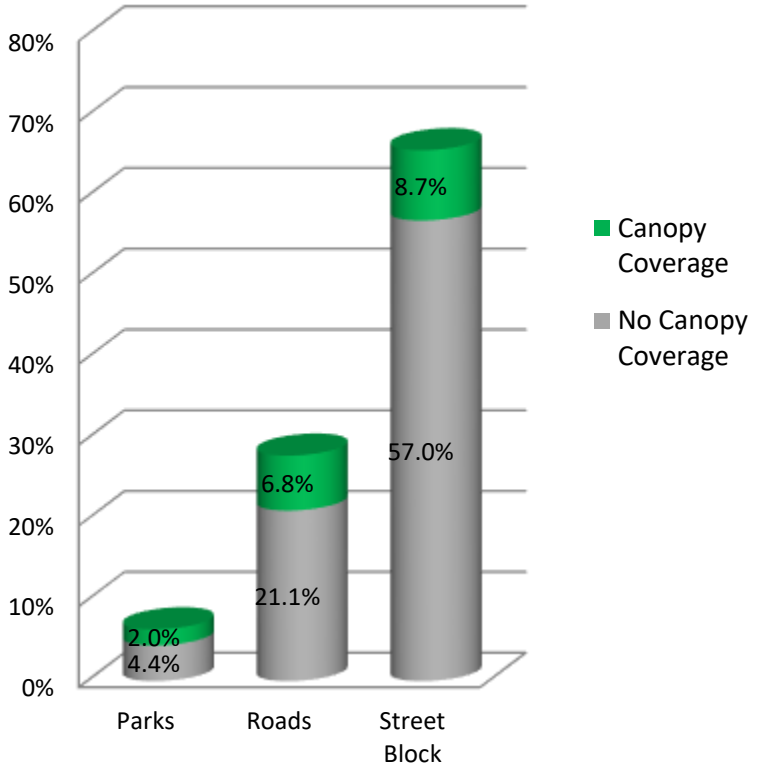
Urban Tree Canopy Statistics

Suburb Profiles

Subiaco (suburb)



Subiaco (suburb)



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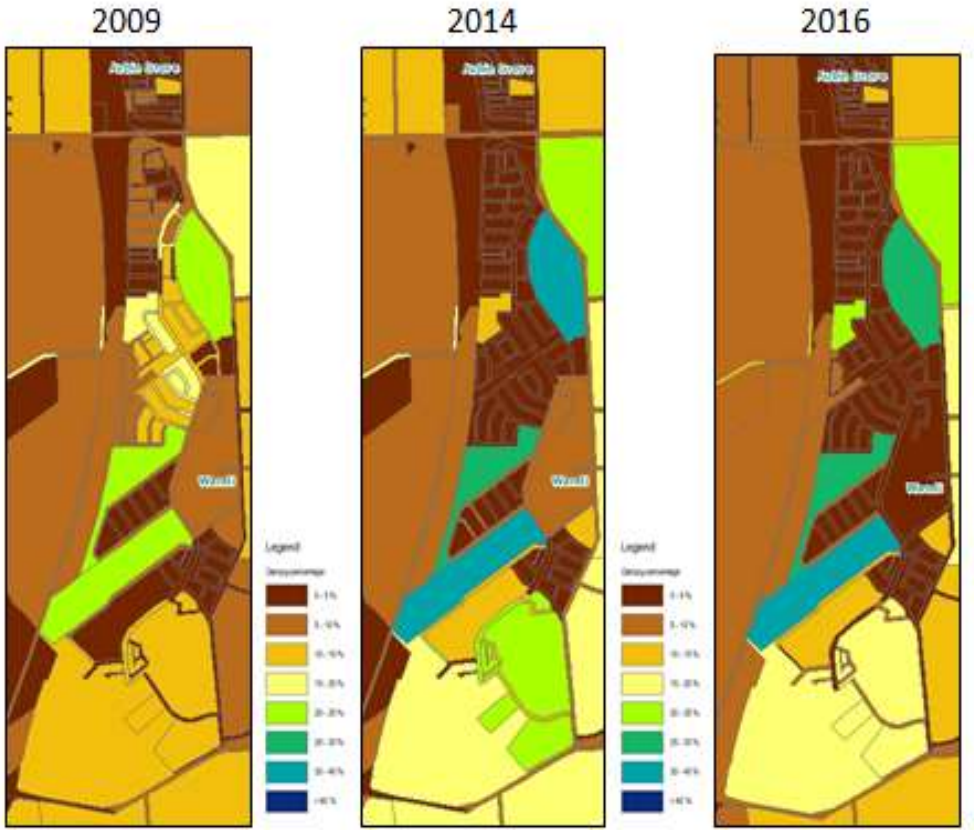
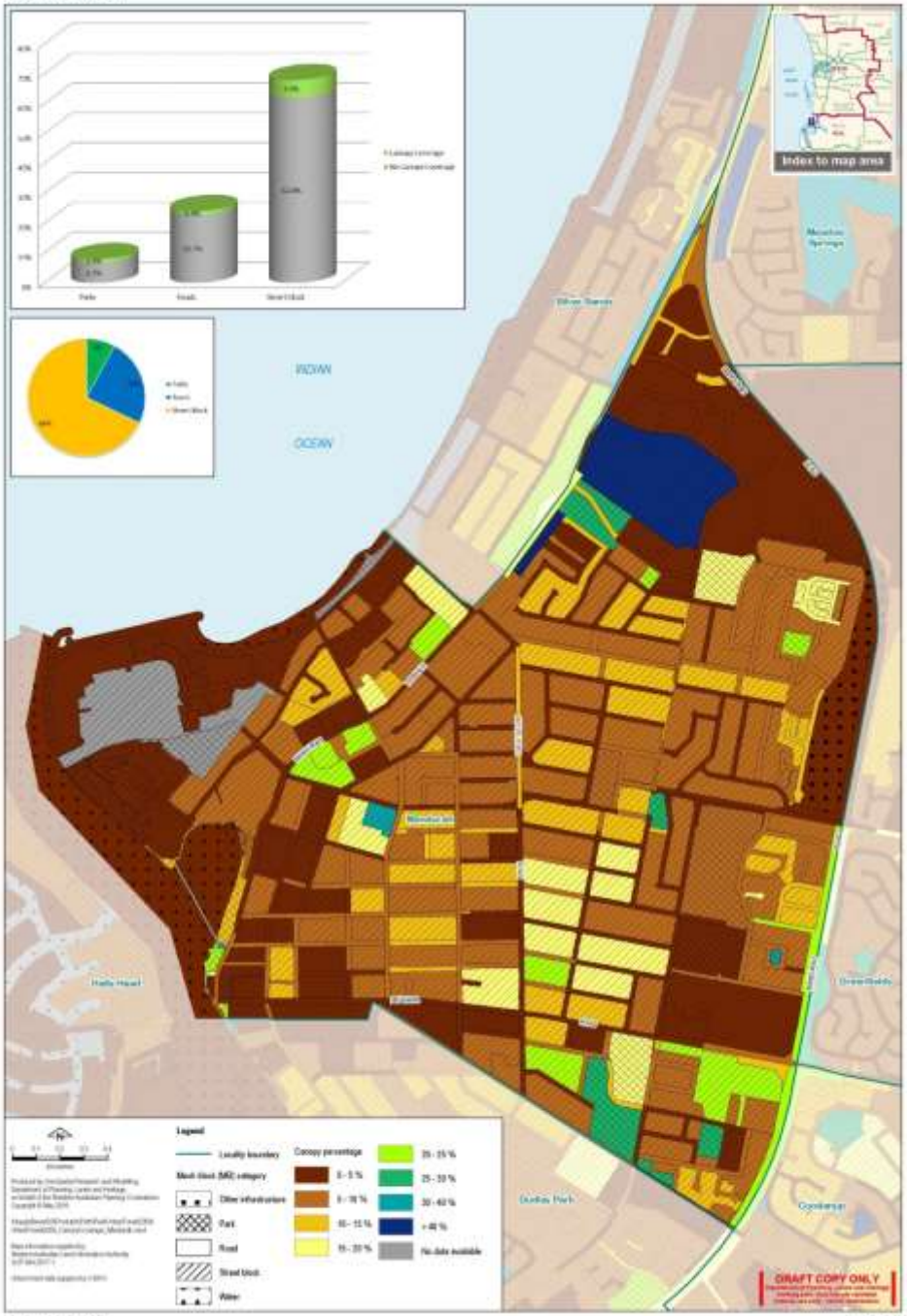
Urban Tree Canopy Statistics

Suburb Profiles



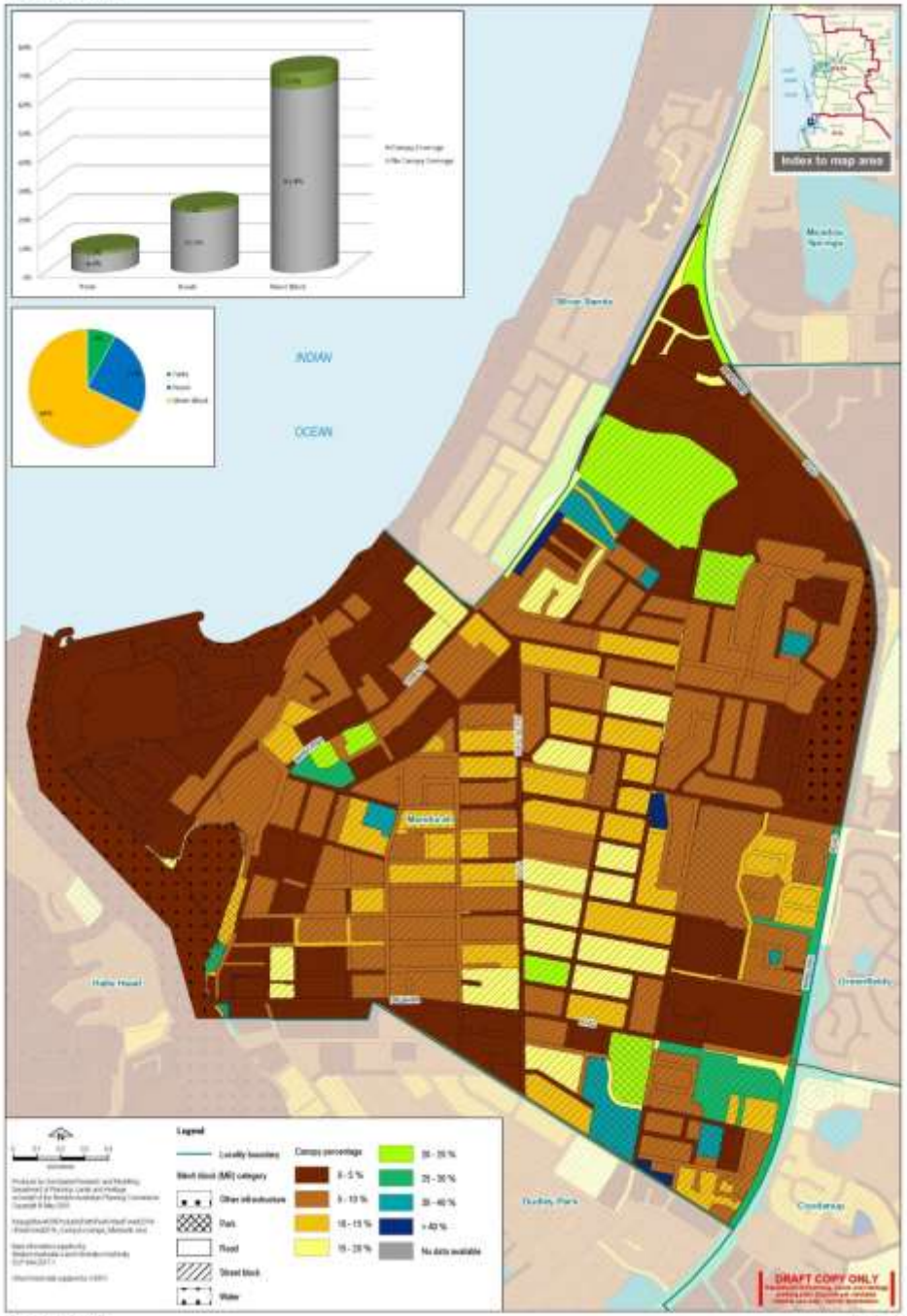
Urban forest 2009



Mandurah

Figure X

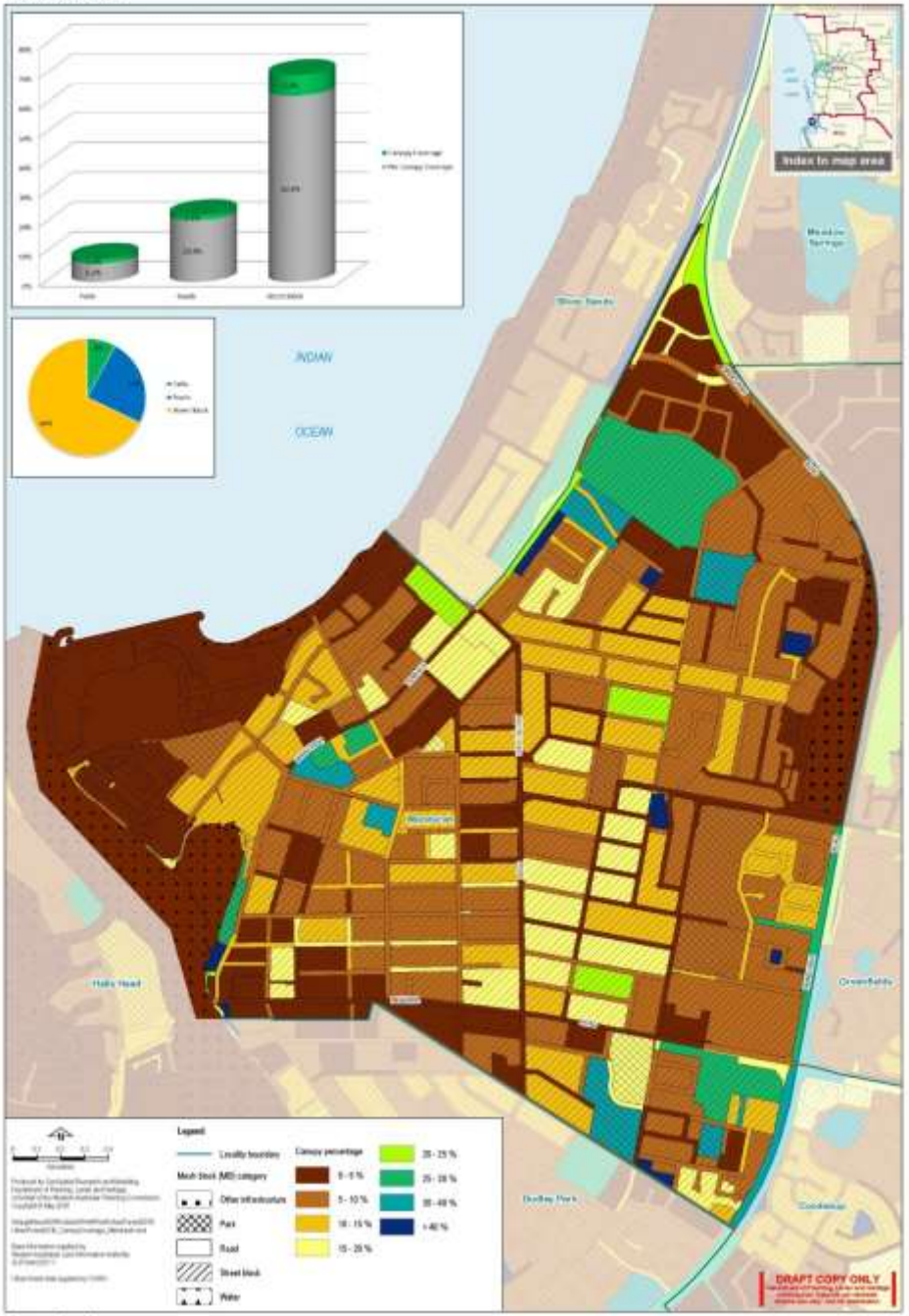
Urban forest 2014



Mandurah

Figure X

Urban forest 2016



Mandurah

Figure X

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Urban Tree Canopy Statistics

Canopy on lots developed 2009 to 2016

Suburb	Lot count	Canopy coverage 2009 (%)	Canopy coverage 2016 (%)	% change of canopy loss/gain 2009 - 2016
ALEXANDER HEIGHTS	51	7.22%	0.44%	-93.87%
ALFRED COVE	104	12.17%	3.25%	-73.29%
ALKIMOS	2,802	1.93%	0.46%	-76.34%
ANKETELL	2	7.49%	8.47%	13.15%
APPLECROSS	249	13.90%	4.93%	-64.50%
ARDROSS	229	12.65%	3.60%	-71.58%
ARMADALE	722	11.41%	4.09%	-64.11%
ASCOT	136	6.40%	4.26%	-33.47%
ASHBY	144	0.07%	0.40%	453.79%
ASHFIELD	48	7.95%	4.13%	-48.02%
ATTADALE	222	10.12%	4.08%	-59.72%
ATWELL	397	1.76%	1.47%	-16.59%
AUBIN GROVE	1,265	2.10%	0.38%	-82.01%
AVELEY	2,836	3.52%	0.38%	-89.25%
BALCATTA	339	4.61%	1.21%	-73.76%
BALDIVIS	7,392	5.76%	4.16%	-27.78%
BALGA	1,009	10.91%	1.24%	-88.60%
BALLAJURA	83	8.50%	6.74%	-20.71%
BANJUP	31	11.23%	16.64%	48.20%
BANKSIA GROVE	2,408	4.49%	0.20%	-95.66%
BARRAGUP	18	21.78%	26.59%	22.04%
BASKERVILLE	13	8.53%	14.30%	67.61%
BASSENDEAN	562	9.68%	3.62%	-62.59%
BATEMAN	55	9.88%	1.22%	-87.70%
BAYSWATER	721	10.48%	2.64%	-74.84%
BEACONSFIELD	264	7.64%	2.46%	-67.76%
BECKENHAM	436	10.78%	3.96%	-63.28%

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Continuous Improvement

- **Improvements under development**
  - **Heat mapping associated with canopy mapping**
  - **Tree locations linked to a data base for verge and parkland trees.**
  - **Dashboard indicators and online mapping**
  - **Enviroplanning tool incorporating stratified canopy**
  - **Continued availability of shape files and time series data**
- **Are these products helpful?**

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Group Questions

1. What other standardised statistics do you think would be useful?

   (The UM generates stratified canopy data for road verge, parks, street blocks. This can be aggregated to a suburb and LG scale)

2. What might be further analysis your organisation could do with your own data?

   Eg. Demographics, Zoning.

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Group Questions

3. To improve consistency; Are there types of land use you would like to see excluded from urban forest data/stats.

For example - State Forest. (City of Perth do not include Kings Park)

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Group Questions

4. How are you currently working with other stakeholders on the technical aspects of urban forest strategies?

5. How can you work more collaboratively across Local Governments on these issues?

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Thanks for your participation

Statistics, Mapping and Guidelines available at –
Better Urban Forest Planning of Perth and Peel

https://www.dplh.wa.gov.au/urban-forest