



Tree Ecosystem Services Assessment, Ridge Park

18 May 2016



106 Gilles St, Adelaide, South Australia 5000
www.seedcs.com.au

Tree Ecosystem Services Assessment, Ridge Park

A report prepared for the City of Unley

Prepared by

Seed Consulting Services
106 Gilles Street, Adelaide, South Australia 5000
www.seedcs.com.au



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1. Treed picnic area, Ridge Park; Taken by Jenni Garden (2015).
2. Southern boobooks roosting in trees, Ridge Park, Taken by Jenni Garden (2015).
3. River red gum, Ridge Park; Taken by Jenni Garden (2015).
4. Tree bordered playing field, Ridge Park; Taken by Jenni Garden (2015).
5. Koala in tree, Ridge Park; Taken by Jenni Garden (2015).

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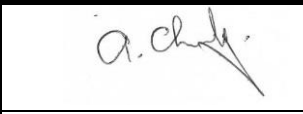
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Role	Name	Signature	Date
Project Director	Andy Chambers		n/a
Written (Draft)	Jenni Garden		21/01/16
Edited (Draft)	Mark Siebentritt Andy Chamber		25/01/16
Edited (Final)	Jenni Garden Andy Chambers Mark Siebentritt		18/05/16

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Executive Summary

Trees and associated green infrastructure are being increasingly recognised for the multiple benefits they can offer in urban areas, including for example to: human health and well-being, biodiversity, soil protection, property valuations, economic prosperity, wind control, urban heat island mitigation, and climate change adaptation. Such benefits have usually been understood intrinsically, but not usually readily quantified. This limits the ability to advocate for increased tree plantings, particularly given high demands for urban space, resources and funding from competing land-uses.

Understanding an urban forest's structure, function and value can be useful in starting to compare the asset value of trees as is currently the case for built assets in urban areas. This can then help to promote management decisions that will improve human health and environmental quality.

An inventory assessment of the structure, function, and value of Ridge Park's trees was conducted between November and December, 2015. A total of **683 trees** were measured and analysed using the i-Tree Eco model developed by the U.S. Forest Service. Based on these assessments:

- The approximate current structural and functional value of the Park's trees was calculated at just over \$3.1M;
- Removing 135 trees (predominantly woody weeds) was calculated to result in loss of approximately \$276,087 of structural and functional values. This could be offset with new canopy tree plantings; and
- Based on Ridge Park's tree measurements and extrapolating to the same species comprising the City's street tree population, an indicative structural and functional value for a subset of the City's street tree population was calculated to be approximately \$35.6M.

In addition, the Park's trees were noted to have substantial biodiversity and landscape values, with commentary on these values provided.

Further details of key findings are provided in the following table.

ELEMENT ASSESSED	KEY FINDINGS
Ridge Park's forest structure and value (i-tree Eco assessment)	<ul style="list-style-type: none"> • Number of trees: 683 (58 species, including 16 exotic species) • Total canopy area: 40,226m² (equivalent to ~77% of total park area) • Most abundant and diverse genus: <i>Eucalyptus</i> (274 trees; 12 species) • Most abundant species: river red gum, European olive, grey box • Proportion of small trees (<20cm diameter breast height, DBH): 53% • Proportion of very large trees (>100 DBH): 4.25% • Structural value: \$3,093,814
Ridge Park's forest function and value (i-Tree Eco assessment)	<ul style="list-style-type: none"> • Pollution removed: 203.56 kg/yr (\$99.22/yr) • Carbon stored: 342 tonnes (\$7,871) • Carbon sequestered: 10.08 tonnes/year (\$232/yr) • Avoided run-off: 254.5 m³/yr (\$578/yr)

ELEMENT ASSESSED	KEY FINDINGS
Tree removal impact (derived from i-Tree Eco assessment)	<ul style="list-style-type: none"> • Number of trees recommended for removal: 135 (109 exotic trees; 37 immature or young trees); • Dominant species: European olive (96 trees) • Decline in current canopy cover: 10% • Decline in structural value: \$275,510 • Decline in functional value: \$577
City of Unley street tree structure and functional value (extrapolated from i-Tree Eco assessment)	<ul style="list-style-type: none"> • Number of street trees considered: 15,660 (70% of known street tree population) • Structural value: \$35,581,881 • Pollution removed: 2,479 kg/yr (\$1,047/yr) • Carbon stored: 3,001 tonnes (\$69,013) • Carbon sequestered: 166 tonnes/yr (\$3,823/yr) • Avoided run-off: 4,057 m³/yr (\$9,214/yr)
Biodiversity and landscape values (drawn from direct observations and expert knowledge)	<ul style="list-style-type: none"> • Fauna species identified: 18 vertebrates (1 frog, 15 birds, 2 mammals, 1 reptile) – all native • Observed tree uses by fauna: foraging, shelter, habitat/breeding, roosting, shading/cooling • Key landscape values of Ridge Park: structure and connectivity

Important learnings and management considerations from this project include:

- Canopy cover and species diversity in Ridge Park is currently relatively high, though is represented by an overall aging tree population and a handful of highly abundant species;
 - This has implications for planting programs within the Park, with increasing species diversity and abundance (therefore increasing resilience) and maintaining or increasing canopy cover in the long-term being recommended objectives;
- Ridge Park's trees provide important services with regard to pollution removal, carbon storage and sequestration, and water management;
- A number of trees are recommended for removal based on weed status, poor management, or high risk of failure.
 - However, these trees still currently provide structural and functional values and so removals should be undertaken with clear rehabilitation plans that aim to replace (or increase) lost structural and functional values;
- Ridge Park's trees currently provide a number of biodiversity values for fauna species living within the Park, but also for certain species living in the broader landscape;
 - Planting and management programs within the Park should carefully consider impacts on biodiversity within the Park and the broader landscape; and
- The structural and functional values provided by the trees of Ridge Park account for only a small fraction of the City of Unley's total urban forest;
 - Additional i-Tree Eco assessments could be applied City-wide to improve the current understanding of the City's tree values and services;
 - Such additional assessments will help to facilitate ongoing management and protection of existing trees, inform planning and provide the business-case for greening and planting programs, and enhance community education, awareness, and appreciation of urban trees.

1 Introduction

Green infrastructure is a rapidly advancing focal issue in urban areas nationally and internationally. Referring primarily to the living green elements found in cities (i.e. plants), increasing green infrastructure is being increasingly recognised as a key mechanism for helping to: mitigate climate change impacts and urban heat island effects, improve air and water quality, contribute to biodiversity conservation, increase local economic prosperity and property values, decrease energy requirements of buildings, and enhance the health and well-being of people living and working in urban areas.

One of the most dominant elements of green infrastructure is trees – located in parks, public and private gardens, and lining streets and waterways. In addition to competition for space, a key barrier to increasing tree cover in urban areas is the difficulty in valuing their worth as an urban asset, as is done for built infrastructure (e.g. roads, buildings). The i-Tree Eco software provides a way to measure and value urban trees. Though not all services provided by trees are able to be valued, i-Tree assessments provide an initial baseline on which to build the business-case for increasing tree cover in urban areas.

Seed Consulting Services (Seed) was engaged by the City of Unley to conduct an i-Tree Eco assessment of the trees of Ridge Park in order to provide baseline information relating to ecosystem services provided by the trees. This report has been prepared as part of a larger Ridge Park project with three key deliverables:

- Tree Ecosystem Services Assessment (this report);
- Riparian Rehabilitation Plan for Glen Osmond Creek (Seed Consulting Services, 2016); and
- Tree Risk and Hollows Assessment (Adelaide Arb Consultants, 2016).

1.1 Study Area

The project focussed on park trees located within Ridge Park, urban parkland located in the south-east corner of the City of Unley (Figure 1). Covering a land area of approximately 5 hectares (ha), Ridge Park is the largest area of public open space within the City. It is bounded to the east by Glen Osmond Road, to the north by Barr Smith Avenue, and to the west and south by private residential housing properties (Figure 2). Natural and built features within the park include:

- Glen Osmond Creek, which bisects the southern portion of the park in a south-east to west direction;
- Infrastructure associated with the creek, including: a large gabion dam wall at the western end, managed aquifer recharge scheme and water treatment pond; erosion control paving and gabion walls, and 4 foot bridges;
- A grass sports oval, with cricket pitch, comprising much of the eastern half of the park;
- 6 tennis courts;
- 2 car parking areas – one off-road area in the north-west corner and one in the middle of the southern boundary forming the terminus of Spence Avenue;
- Approximately 2km of paved walking tracks with associated exercise equipment;
- 4 shelters, an amenities block, and casual seating and bar-b-que facilities;

- 2 playgrounds;
- 1 skate bowl; and
- Numerous trees and landscaped gardens.

The key natural elements of the Park are the number and diversity of trees, including old-growth remnant eucalypts, as well as younger self-seeded and council-planted trees. These trees offer critical ecosystem services which contribute to the City's environmental health and quality of life for resident and visitors.

The Millennium Ecosystem Assessment defines 'ecosystem services' as: "...*the benefits people obtain from ecosystems...*" (Millennium Ecosystem Assessment, 2005); they may be direct or indirect and may include environmental, social and economic benefits. Such ecosystem services offered by trees include, but are not limited to:

- Filtering pollution from the air;
- Flood regulation and runoff control;
- Climate regulation (e.g. moderating temperatures);
- Sequestering carbon dioxide and storing carbon;
- Biodiversity benefits both locally and regionally (e.g. habitat, food, and movement resources);
- Human recreational and aesthetic benefits;
- Improved physical and mental well-being;
- Science and education;
- Increased property values;
- Reducing energy consumption in buildings shaded by trees (and therefore reduced pollution from power plants generating energy); and
- Improved economic prosperity for businesses (due to enhanced conditions for consumers with regard to heat mitigation and aesthetics).

Together, the features and services offered within Ridge Park make this area a key environmental asset within the City of Unley, intrinsically valued by council, local residents, and visitors. Being able to assign economic values to trees and some of their services will help decision-makers to develop the business-case for trees and underpin long-term tree planting programs.

1.2 Objectives

This report will:

- Present and discuss the findings of an ecosystem services assessment of the trees of Ridge Park;
- Provide a high level discussion of the current biodiversity, landscape ecology, and climate benefits offered by Ridge Park's trees; and
- Make recommendations for actions required to maintain and/or improve the current services and benefits offered by the Park's trees.

The findings and recommendations provided in this report should be considered in conjunction with those presented in the Riparian Rehabilitation report (Seed Consulting

Services, 2016) and the Tree Risk and Hollows Assessment report (Adelaide Arb Consultants, 2016) associated with this project. Results of this assessment will be used to develop the long-term tree planting program for Ridge Park and help inform the City's green infrastructure strategy.

The City of Unley is now the only city in South Australia to have conducted an i-Tree Eco inventory assessment¹.

¹ To the best of our knowledge, as of March 2016.

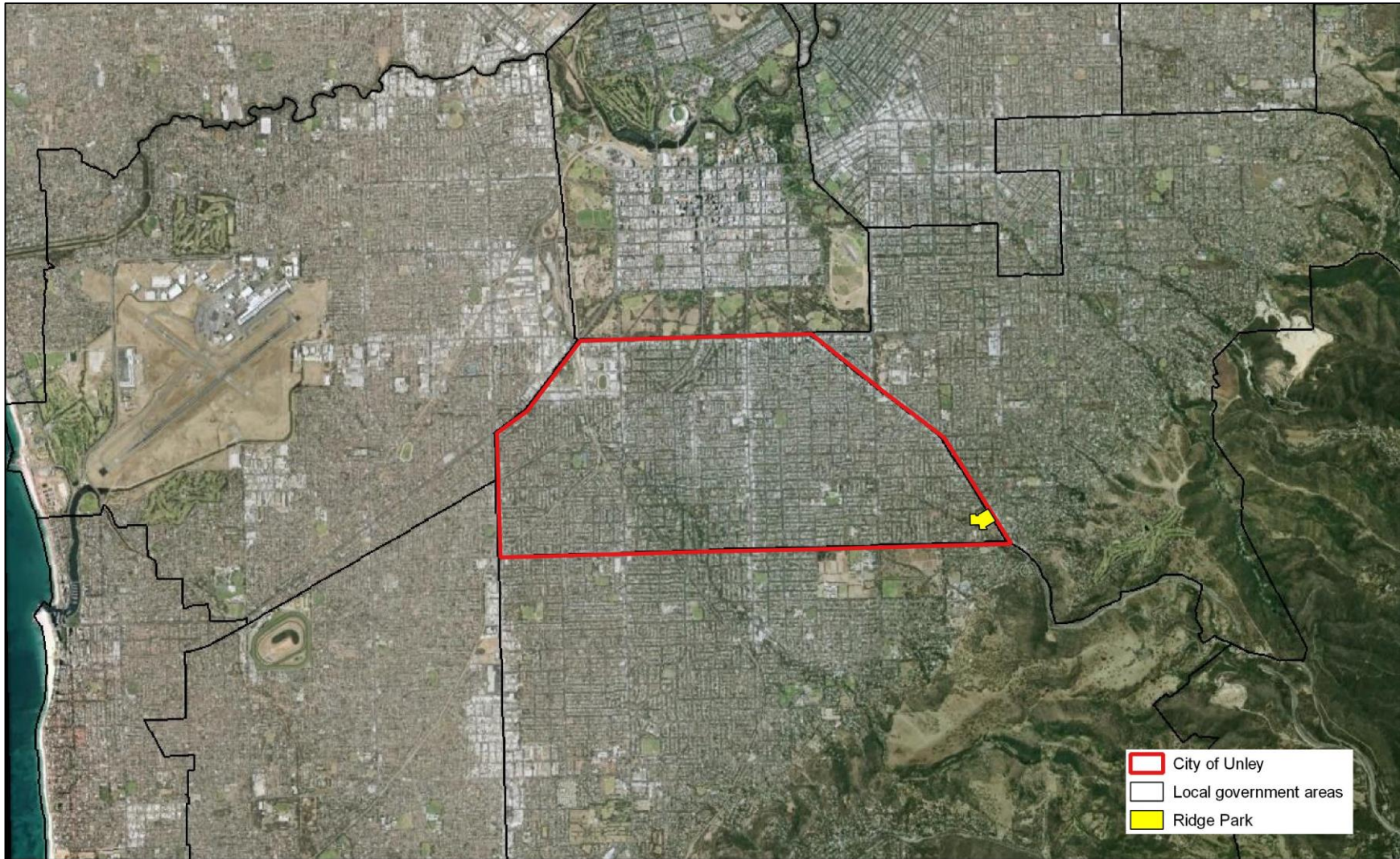


Figure 1. Location of Ridge Park within City of Unley

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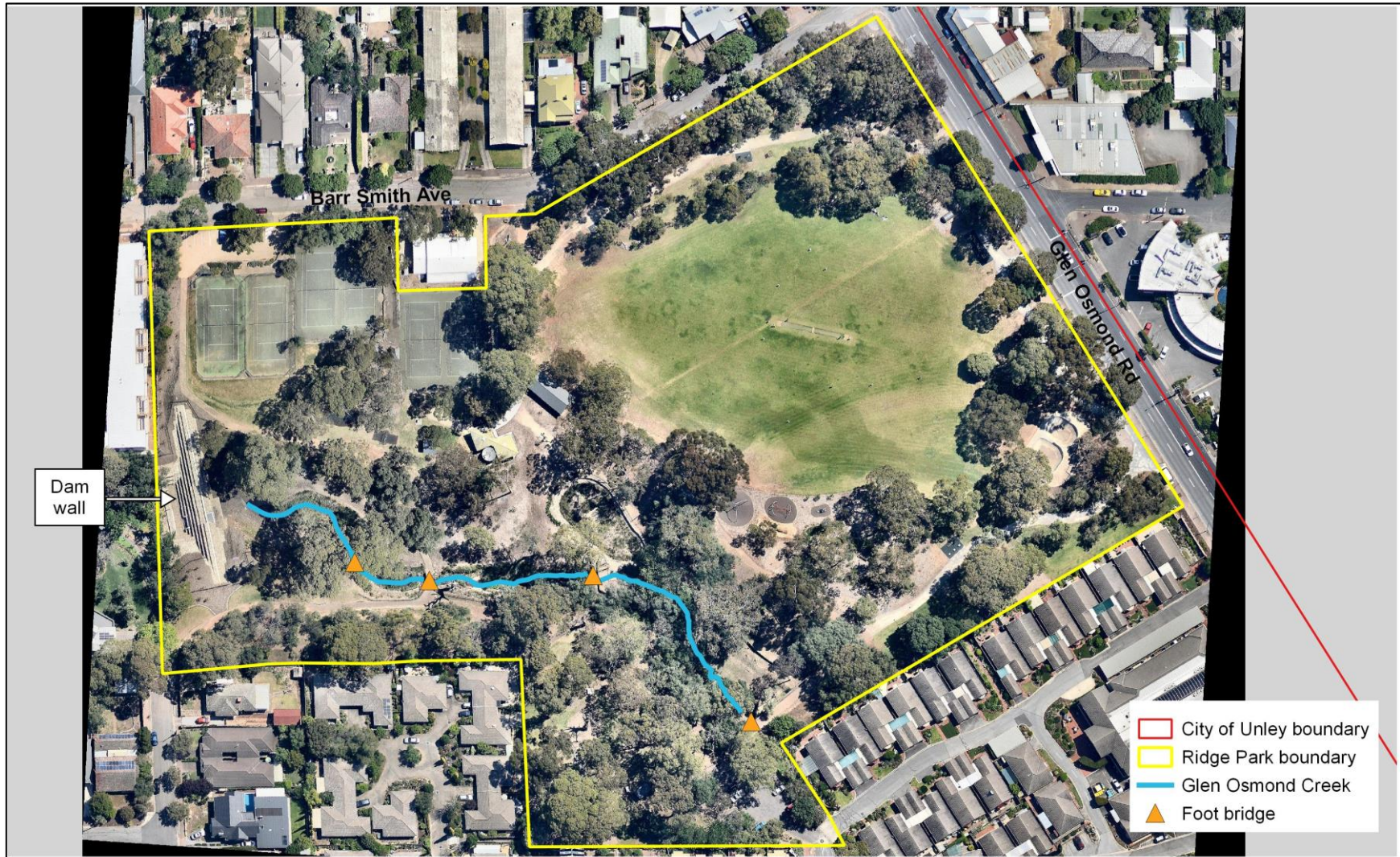


Figure 2. Ridge Park features

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2 Approach and Methodology

The i-Tree Eco method and software (version 6.0) was used to assess the structure of, and ecosystem services provided by, the trees in Ridge Park (USDA Forest Service; plus cooperators, 2015a; USDA Forest Service; plus cooperators, 2015). The software has been adapted for use in Australia, including incorporation of a number of Australian tree species commonly found in urban centres around the country, as well as local weather station daily data and pollution information.

For this project, the tree inventory assessment method was applied, whereby all trees within the Park were measured. Hereafter, the term “forest” may be used to collectively refer to all trees in the Park. Trees were defined as:

- Woody plants structurally considered to be of tree growth form (i.e. compared to large woody shrubs);
- Being over 1.4m in height; and,
- Having a diameter at breast height (DBH) of the main stem of at least 2.5cm (250mm).

Using i-Tree Eco, the following elements of Ridge Park’s trees were assessed:

- Structure and composition:
 - Species diversity
 - Tree canopy cover;
 - Age class and leaf area;
 - Percent leaf area by species;
- Ecosystem services:
 - Air pollution removed (CO, NO, SO, O, and particulate matter \leq 10microns)
 - Current carbon storage;
 - Carbon sequestration;
- Structural and functional values:
 - Structural value in dollars;
 - Pollution removed value in dollars;
 - Carbon storage value in dollars; and
 - Carbon sequestration value in dollars.

Based on the i-Tree Eco assessments of trees in Ridge Park, the impacts of proposed tree removals within the Park on the current structural and functional values are provided. In addition, an indicative extrapolated valuation for street trees across the City of Unley area is also calculated and discussed. A high level discussion about the observed and likely biodiversity and landscape values offered by Ridge Park and its trees is also provided.

2.1 Data collection and equipment

Data was collected over 10 days between November-December, 2015 by a two-person data collection team: Jenni Garden (ecologist and i-Tree Eco expert) from Seed Consulting Services and Shane Selway (arborist) from Adelaide Arb Consultants. Data collected including that required for the i-Tree Eco analysis as well as risk assessment information required for the Risk Assessment report being prepared by Adelaide Arb Consultants.

For the i-Tree Eco assessment, the following information was collected for each tree:

- Unique identifier number;
- Species;
- GPS coordinates;
- Status (in-growth or planted);
- Location (street or not street);
- Height (total and to live crown);
- Height to crown base;
- Diameter at breast height;
- Canopy spread (east-west and north-south)
- Canopy percent missing;
- Percent die-back (excluding that considered as being from self-shading).

Details regarding survey design and the standardised protocol used for data collection are provided in the i-Tree² Eco v6.0 User's Manual (USDA Forest Service; plus cooperators, 2015a) and the i-Tree Eco v6.0 Field Guide (USDA Forest Service; plus cooperators, 2015). In addition, a photo of each tree was taken (see Adelaide Arb Consultants, 2016).

Field data was recorded using a handheld Trimble Geo6000 XH with Floodlight capability as well as a back-up recorded on paper data forms. Height and distance data were measured using a handheld TruPulse 360° laser technology rangefinder, and DBH was measured with a standard forestry DBH tape. Canopy percent missing and die-back was estimated from visual assessments and mutual agreement by the data collection team.

² www.itreetools.org

3 i-Tree Eco Results

The following section provides the findings from the i-Tree Eco analyses (Sections 3.1-3.3), as well as a high level analyses and discussion regarding potential implications of tree removals on ecosystem services and extrapolation across the City's street trees (Section 3.4). Section 4 provides discussion of likely biodiversity services offered by the Park's trees, both within the Park and within the broader landscape. Details regarding risk management, the useful life expectancy of the trees, and recommended trees for removal are provided in the Tree Risk and Hollows Assessment report³ (Adelaide Arb Consultants, 2016).

3.1 Structure of Ridge Park's trees

3.1.1 Species diversity and abundance

A total of 683 trees, representing 58 species were identified and assessed, giving an overall tree density of approximately 136.6 trees per hectare (Figure 3; Table 1; Appendix A). Eucalypts were the most abundant and diverse genus in the Park, with 274 eucalypt trees representing 12 species identified. Olives were the next most abundant genus (110 trees, one species), though wattles were the next most diverse (58 trees, six species). Ten trees, representing three species were unable to be identified to the species level (Table 1).

One species, grey box (*Eucalyptus macrocarpa*), is the characteristic canopy species of the "Grey Box (*Eucalyptus microcarpa*) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia" vegetation community, which is listed as endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) (Table 1). This community is recorded under the EPBC Act as occurring within a 1km area centred on Ridge Park (Department of Environment, 2013). Fifty-nine grey box trees were recorded, of which 17 were considered to be in-growth (i.e. self-seeded, rather than planted), and three of these were considered mature enough to be pre-clearing remnants. The highly landscaped and artificially maintained nature of Ridge Park means that other floristic and structural characteristics of the threatened community no longer occur, though this has been recommended for partial rehabilitation in the near future (Seed Consulting Services, 2016).

The majority of the Park's trees were natives, with exotics comprising 25.6% (16 species). Three of the exotic species are listed as declared plants requiring control under the State's *Natural Resources Management Act 2004*, and two are listed as invasive species under the EPBC Act (Table 1). These plants will likely require removal and replacement with native species (Seed Consulting Services, 2016; Adelaide Arb Consultants, 2016). One native plant, sweet pittosporum (*Pittosporum undulatum*), is also listed as a declared plant requiring control under the State's *Natural Resources Management Act 2004* (Table 1).

Six species represent the 90th percentile of all species abundance, meaning that together, they comprise the top 10% most abundant species in the Park (Figure 4). Of these, the three most common species were: river red gum (*Eucalyptus camaldulensis*), European olive (*Olea europaea*), and grey box (*Eucalyptus microcarpa*), which respectively comprised 19.33%, 16.11%, and 8.64% of the Park's forest (Table 1; Figure 4).

³ N.B. The unique identifier number allocated to each tree is consistent between this report and the Tree Risk and Hollows Assessment report, allowing trees to be directly compared across both reports.



Figure 3. Location of trees measured for Ridge Park's i-Tree Eco assessment.

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Table 1. Tree species comprising Ridge Park's forest, listed in order of abundance. For each species the number of individual trees and the relative percentage of the whole forest is shown. Species status is shown as native or exotic to Australia, with additional comments of relevance provided in the final column.

SCIENTIFIC NAME	COMMON NAME	TREE COUNT	FOREST %	STATUS	COMMENTS
<i>Eucalyptus camaldulensis</i>	River red gum	132	19.33%	Native	-
<i>Olea europaea</i>	European olive	110	16.11%	Exotic	NRM Act: Class 28 - category 2 declared plant requiring control (for those not planted). Listed as invasive species under the EPBC Act.
<i>Eucalyptus microcarpa</i>	Grey box	59	8.64%	Native	Three are likely remnants of a pre-clearing vegetation community which is now listed as endangered under the EPBC Act: "Grey Box (<i>Eucalyptus microcarpa</i>) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia".
<i>Eucalyptus leucoxylon</i>	South Australian blue gum	51	7.47%	Native	-
<i>Acacia pycnantha</i>	Golden wattle	44	6.44%	Native	-
<i>Callistemon viminalis</i>	Weeping bottlebrush	40	5.86%	Native	Introduced to State.
<i>Fraxinus angustifolia</i> subsp. <i>angustifolia</i>	Desert ash	38	5.56%	Exotic	NRM Act 2004: Class 58 - category 3 declared plant requiring control.
<i>Allocasuarina verticillata</i>	Drooping she-oak	32	4.69%	Native	-
<i>Dodonaea viscosa</i>	Sticky hopbush	20	2.93%	Native	-
<i>Eucalyptus cladocalyx</i>	Sugar gum	15	2.20%	Native	South Australian endemic.
<i>Casuarina cunninghamiana</i>	River she-oak	12	1.76%	Native	Introduced to State.
<i>Callitris gracilis</i>	Southern cypress-pine	9	1.32%	Native	-
<i>Lophostemon confertus</i>	Brush box	9	1.32%	Native	Introduced to State.
<i>Corymbia maculata</i>	Spotted gum	7	1.03%	Native	Introduced to State.
<i>Acacia linearifolia</i>	Narrow-leaved wattle	6	0.88%	Native	Introduced to State. Entered in i-Tree Eco as <i>Acacia adunca</i> (closest related species in the Eco database).
<i>Corymbia citriodora</i>	Lemon-scented gum	6	0.88%	Native	Introduced to State.

SCIENTIFIC NAME	COMMON NAME	TREE COUNT	FOREST %	STATUS	COMMENTS
<i>Grevillea robusta</i>	Silky oak	6	0.88%	Native	Introduced to State.
<i>Agonis flexuosa</i>	Willow myrtle	5	0.73%	Native	Introduced to State.
<i>Eucalyptus</i> sp.	Gum (unknown species)	5	0.73%	Native	-
<i>Eucalyptus torquata</i>	Coral gum	5	0.73%	Native	Introduced to State.
<i>Pittosporum crassifolium</i>	Stiff-leaf cheesewood	5	0.73%	Exotic	-
<i>Acacia saligna</i>	Golden wreath wattle	4	0.59%	Native	Introduced to State.
<i>Lagunaria patersonii</i>	Norfolk Island hibiscus	4	0.59%	Native	Introduced to State.
<i>Melaleuca armillaris</i>	Bracelet honey-myrtle	4	0.59%	Native	Introduced to State.
<i>Pittosporum angustifolium</i>	Native apricot	4	0.59%	Native	-
<i>Schinus areira</i>	Peppercorn tree	4	0.59%	Exotic	-
<i>Brachychiton populneus</i>	Kurrajong	3	0.44%	Native	Introduced to State.
<i>Corymbia ficifolia</i>	Red flowering gum	3	0.44%	Native	Introduced to State.
<i>Jacaranda mimosifolia</i>	Jacaranda	3	0.44%	Exotic	-
<i>Melaleuca</i> sp.	Paperbark (unknown species)	3	0.44%	Native	Introduced to State.
<i>Acacia</i> sp.	Wattle (unknown species)	2	0.29%	Native	-
<i>Acer negundo</i>	Box-elder maple	2	0.29%	Exotic	NRM Act 2004: Class 57 - category 3 declared plant requiring control.
<i>Erythrina x sykesii</i>	Common coral tree	2	0.29%	Exotic	-
<i>Eucalyptus intertexta</i>	Gum-barked coolibah	2	0.29%	Native	Introduced to State.
<i>Ligustrum ovalifolium</i>	California privet	2	0.29%	Exotic	-
<i>Melaleuca styphelioides</i>	Prickly-leaved paperbark	2	0.29%	Native	Introduced to State.
<i>Ulmus hollandica</i>	Dutch elm	2	0.29%	Exotic	-
<i>Acacia paradoxa</i>	Kangaroo thorn	1	0.15%	Native	-
<i>Acacia sophorae</i>	Coastal wattle	1	0.15%	Native	Introduced to State. Entered in i-Tree Eco as <i>Acacia linearifolia sophorae</i> .
<i>Angophora costata</i>	Smooth-barked angophora	1	0.15%	Native	Introduced to State.
<i>Auranticarpa rhombifolia</i>	Queensland pittosporum	1	0.15%	Native	Introduced to State.

SCIENTIFIC NAME	COMMON NAME	TREE COUNT	FOREST %	STATUS	COMMENTS
<i>Brachychiton acerfolius</i>	Illawarra flame tree	1	0.15%	Native	Introduced to State.
<i>Callistemon citrinus</i>	Crimson bottlebrush	1	0.15%	Native	Introduced to State.
<i>Callistemon pinifolius</i>	Pine-leaved bottlebrush	1	0.15%	Native	Introduced to State.
<i>Coprosma repens</i>	Mirror bush	1	0.15%	Exotic	-
<i>Cotoneaster franchetii</i>	Orange cotoneaster	1	0.15%	Exotic	-
<i>Eucalyptus astrigens</i>	Brown mallet	1	0.15%	Native	Introduced to State.
<i>Eucalyptus bosistoana</i>	Coast grey box	1	0.15%	Native	Introduced to State.
<i>Eucalyptus melliodora</i>	Yellow box	1	0.15%	Native	Introduced to State.
<i>Eucalyptus sideroxylon</i>	Mugga ironbark	1	0.15%	Native	Introduced to State.
<i>Eucalyptus viminalis</i>	Manna gum	1	0.15%	Native	-
<i>Melia azedarach</i>	White cedar	1	0.15%	Native	Introduced to State.
<i>Phoenix canariensis</i>	Canary Island date palm	1	0.15%	Exotic	-
<i>Pinus radiata</i>	Monterey pine	1	0.15%	Exotic	Introduced to State.
<i>Pittosporum tenuifolium</i>	James Stirling pittosporum	1	0.15%	Exotic	Listed as invasive species under the EPBC Act.
<i>Pittosporum undulatum</i>	Sweet pittosporum	1	0.15%	Native	Introduced to State. NRM Act: Class 62 - category 3 declared plant requiring control.
<i>Platanus acerfolius</i>	London plane	1	0.15%	Exotic	-
<i>Syagrus romanzoffiana</i>	Cocos palm	1	0.15%	Exotic	-

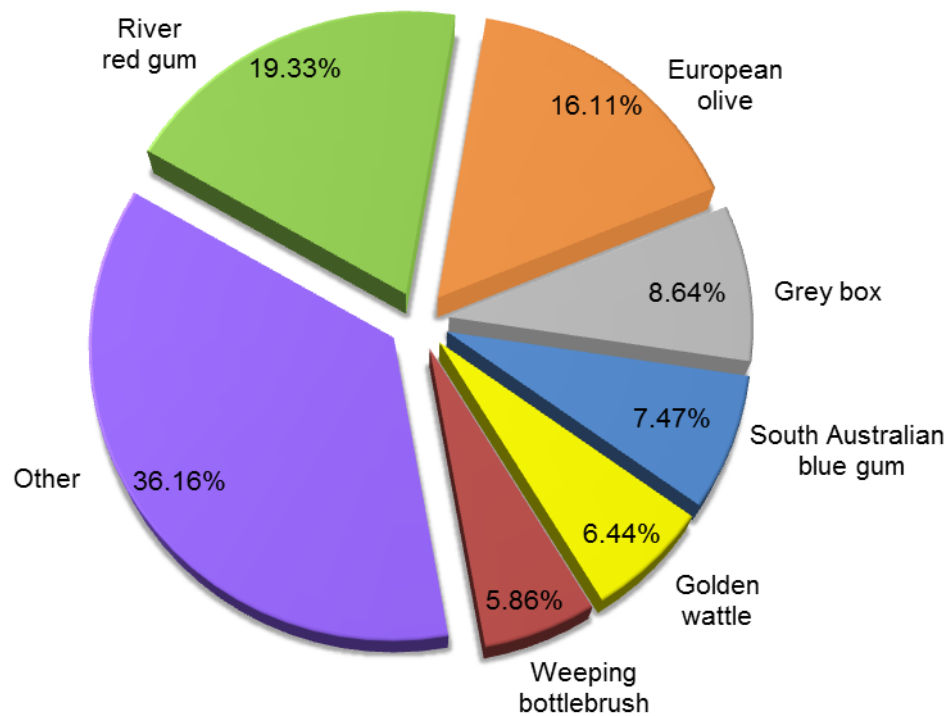


Figure 4. Tree species composition of Ridge Park's forest, showing the top 10% most abundant species independently of all 'other' species (see Table 1 for "other" species).

3.1.2 Tree size and age

The size of trees has important correlations to the functional services able to be offered. Larger trees tend to offer more functional services due to the greater amount of tissue available (e.g. in trunks and roots) to store and sequester carbon, and the generally large leaf surface area able to remove pollution and intercept rainfall. Further details regarding functional services offered by Ridge Park's trees are provided in Section 3.2.

The six most abundant trees in the Park had predominantly small DBHs ($\leq 20\text{cm}$), with only 6% (26 trees) having DBHs greater than 1m; these were all eucalypt species, except for one unusually large olive tree that had a DBH of 1.27m (Figure 5). Two of the very large eucalypts were river red gums with exceptionally large DBH's of 2m and 2.18m. The largest of these is estimated to be over 300 years old.

Across all trees in the Park, the most common DBH measurements fell within the 3-10cm size class (Figure 6). This reflects the high number of young trees that have been planted (or self-seeded) in the Park in recent years. Taller trees also generally had larger DBH's, though the majority of the trees in the Park (53%) were small, with DBHs of 20cm or less and an average height of 8.12m; very large trees (i.e. DBH >1m) comprised only 4.25% of the Park's forest (Figure 6). Of these 29 very large trees, 26 were eucalypts, which is consistent with eucalypts being capable of growing to very large sizes over very long time periods (>100 years). This is pertinent given that just over 40% of the Park's trees are eucalypts, and so it seems reasonable to assume that the relative average DBH size class will increase over time as these eucalypts grow, with subsequent positive implications for the functional services offered.

Although DBH correlated positively with tree height, these do not necessarily correlate with tree age. That is, due to inherent differences in tree growth characteristics, a predominantly small tree population does not necessarily mean a predominantly young population. In Ridge Park, the majority of trees in all size classes, except the very smallest, were assessed to be mature (or older); in the smallest DBH size class, most trees were assessed as being young or immature (Figure 7). Furthermore, in all size classes above 3cm DBH, the proportion of young/immature trees was less than half that of mature or older trees (Figure 7). Further details regarding the age and useful life expectancy of trees in the Park are provided in the Tree Risk and Hollows Assessment report (Adelaide Arb Consultants, 2016).

Management implications: These findings suggest that, despite recent tree planting actions in the Park, the Park’s forest is a predominantly aging population. Further consideration will need to be given to planting programs which will ensure critical functional values of the Park’s forest are not lost as these existing mature trees senesce.

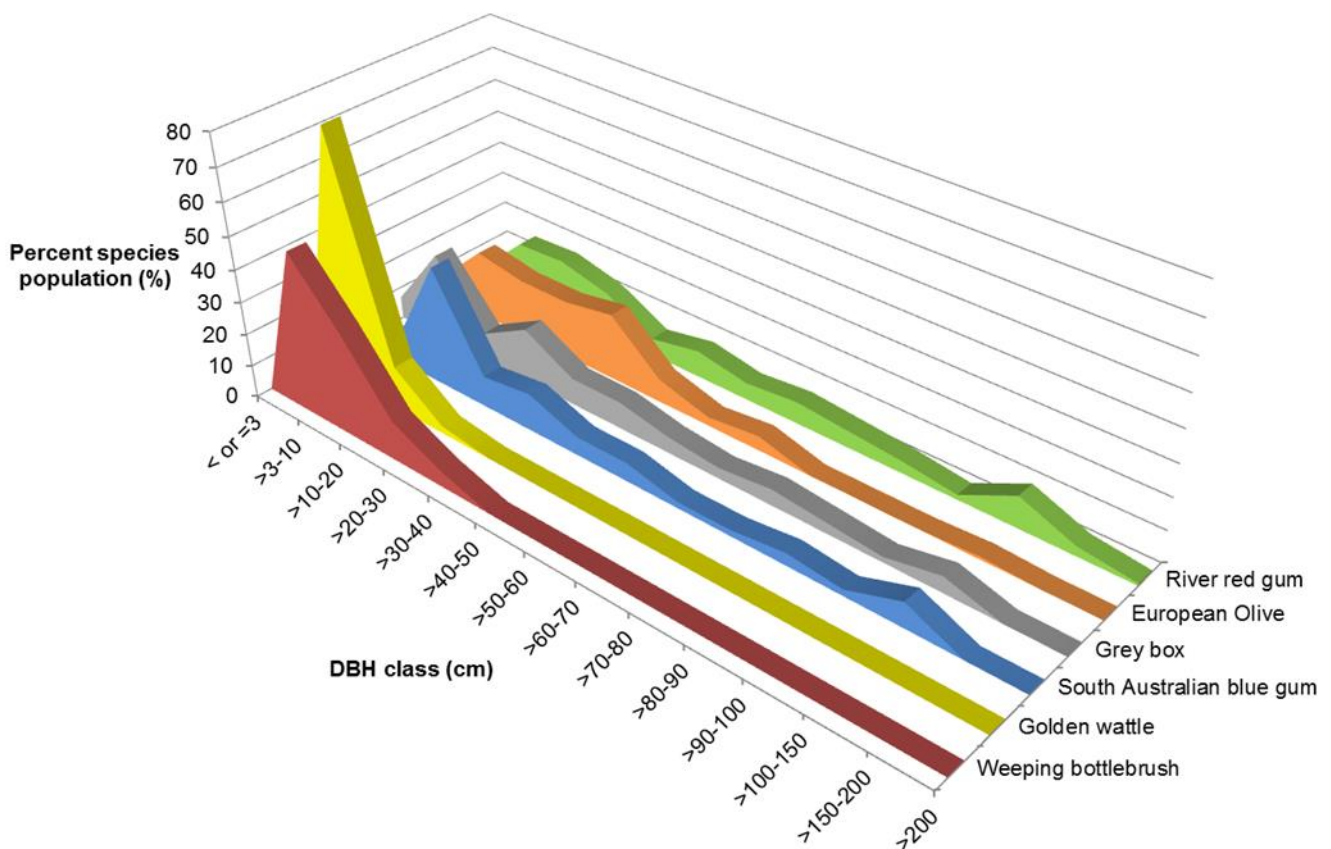


Figure 5. Diameter at breast height size classes (cm) for the six species comprising the top 10% most abundant tree species.

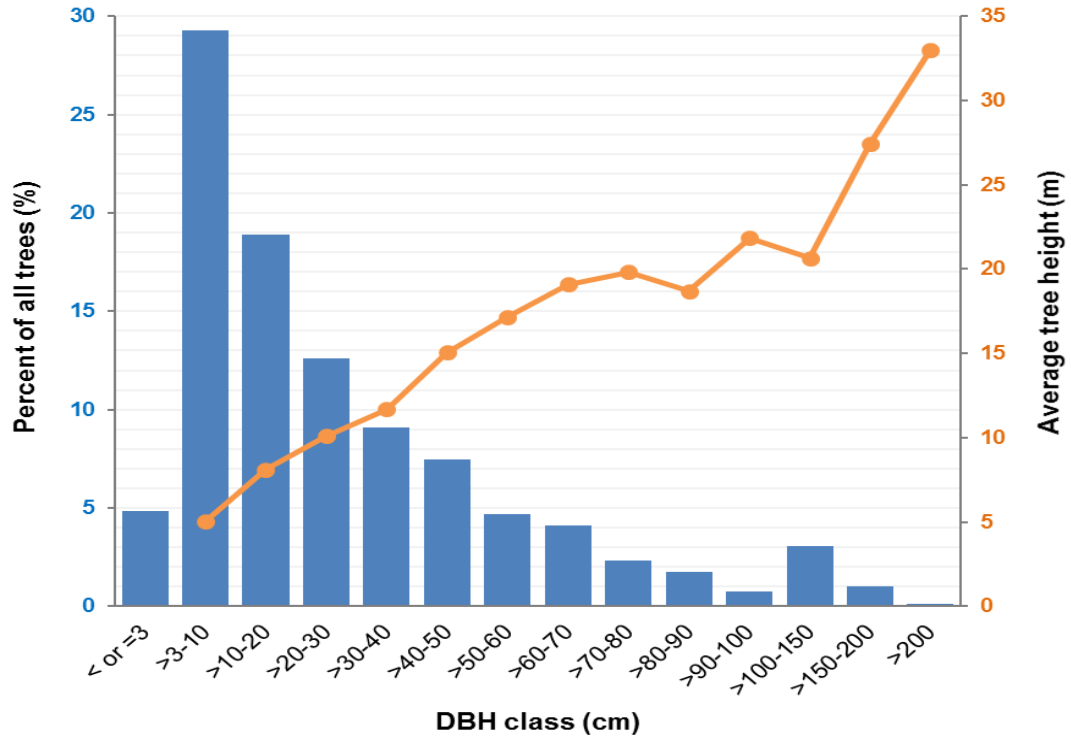


Figure 6. Percent of tree population and average height of trees (m) by DBH size class (cm).

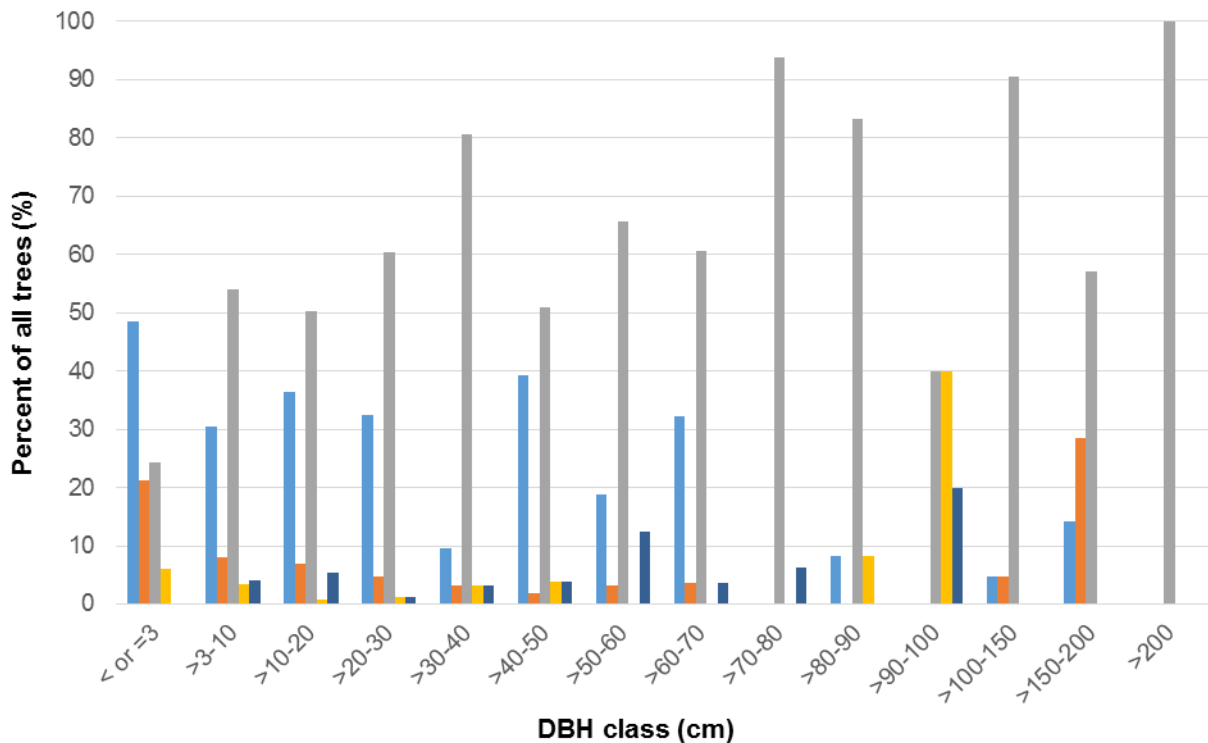


Figure 7. Relative age distribution of trees in each DBH class (cm). Age classes are: immature (blue); young (orange); mature (grey); over-mature (yellow); and senescent (dark blue).

3.1.3 Canopy cover and leaf area

Tree canopy cover in an i-Tree Eco assessment is based primarily on canopy spread measurements, with current canopy cover for Ridge Park estimated at 77%. However, it should be noted that the canopies of many of the trees in Ridge Park overlap, with some smaller tree canopies falling mostly or entirely under the canopy of larger trees. Accordingly, the total ground area of the Park that would be shaded by canopy if the sun were directly above in the sky will be lower than the total canopy cover area estimated by this assessment.

Canopy cover also tells only part of the story. A number of environmental tree benefits relate directly to the amount of healthy leaf surface area, a metric which is not necessarily correlated with canopy cover. For example, trees may have similar canopy cover areas but different leaf surface areas due to variations such as: natural leaf structure (e.g. small/narrow foliage versus large/broad), canopy depth (i.e. from top to bottom of canopy), tree health (e.g. internal dieback), and maintenance (e.g. pruning). For this assessment leaf surface area was calculated based on species characteristics and individual tree measurements of canopy spread, heights of the lowest and highest canopy, percent missing canopy, and percent dieback.

Total leaf area was calculated at approximately 146,194m². The majority of leaf area was attributable to three species, which were the same three most abundant species: river red gum, European olive, and grey box (Figure 8). With regard to each species' combined leaf area, five species had total combined leaf areas greater than 90% of all tree species (Figure 8). The top four of these species are also the most abundant (see Section 3.1.1). Sugar gums (*Eucalyptus cladocalyx*), although not as abundant, had higher leaf areas than golden wattles (*Acacia pycnantha*) and weeping bottlebrushes (*Callistemon viminalis*) (Appendix A).

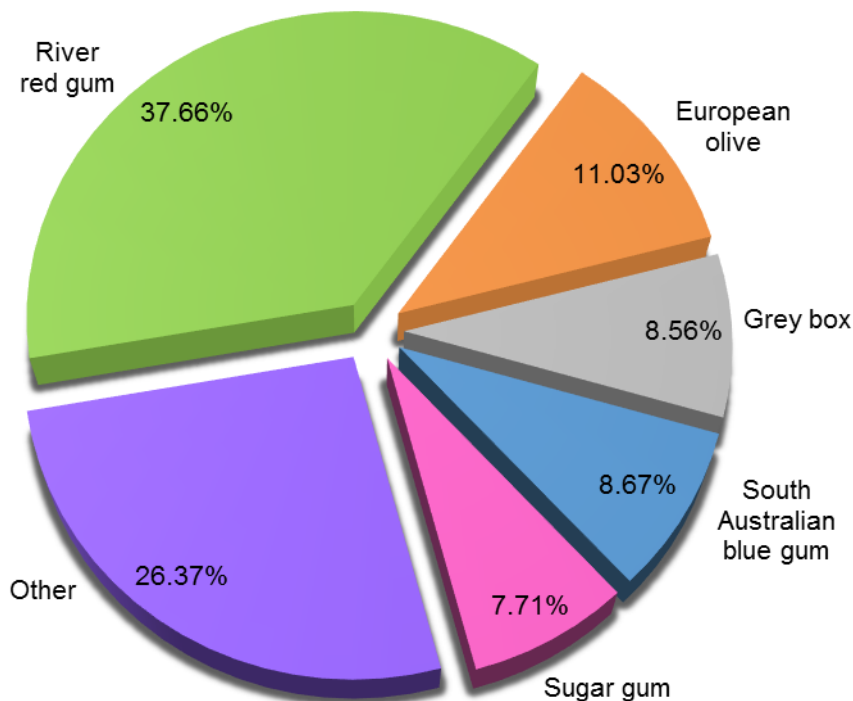


Figure 8. Tree species by percent total leaf surface area. The five species shown are those falling within the 90th percentile. See Appendix A for further details.

Larger trees also contributed more to total leaf area in the Park, despite comprising a lower percentage of the overall tree population (Figure 9). This is indicative of the important role that large trees play in delivering ecosystem services, particularly carbon sequestration and storage (see Section 3.2.2).

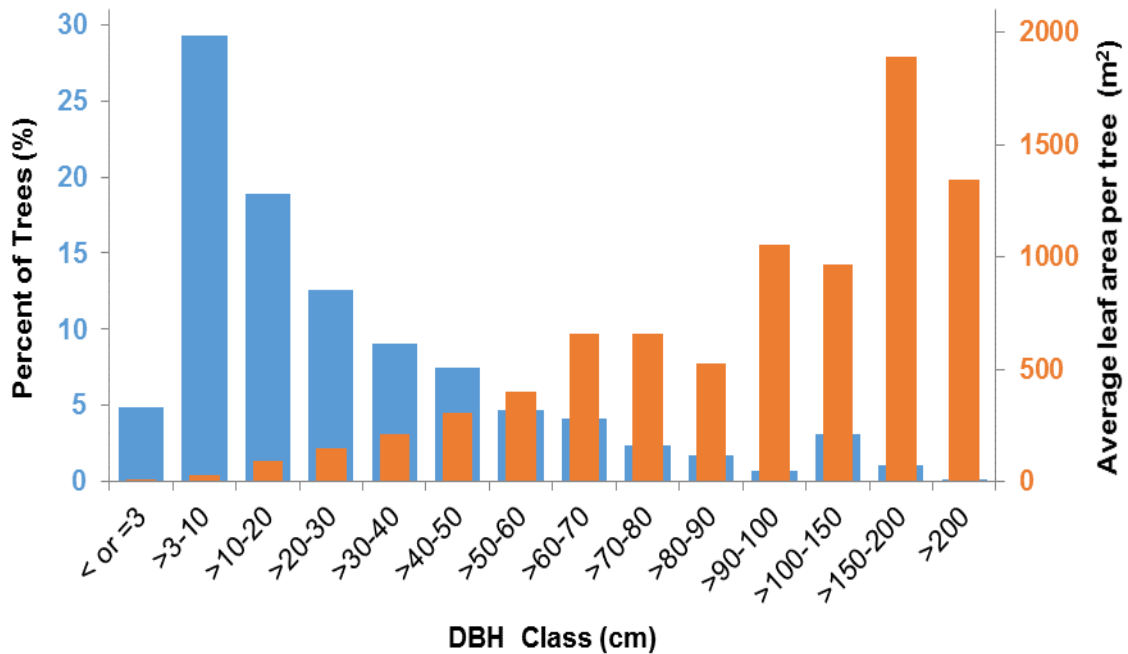


Figure 9. Average tree leaf area (m²) by DBH class (■) shown in relation to relative abundance of trees (% of total trees in the Park) within each DBH class (■).

Management implications: Long-term planning and management actions for the Park should aim to maintain or increase the number of large trees. This will require consideration of useful life expectancies of existing trees in the Park and pro-active replacement plantings being undertaken before large trees are lost.

3.1.4 Relative species importance

The i-Tree Eco assessment also calculates relative species importance based on relative leaf area and composition (Figure 10). These calculated importance values provide an index of how the tree canopy benefits the urban environment (Appendix B). It should be noted that a high importance value does not necessarily mean that the species should be prioritised for planting programs in the future. Instead, it indicates which species are currently delivering the most benefits based on their population and leaf area.

Based on this, the ten most ‘important’ species in Ridge Park are shown in Figure 10. Importance indices tend to mirror species’ abundance, with the exception of sugar gums, which ranked as the 6th most important species in the Park despite being the tenth most abundant species.

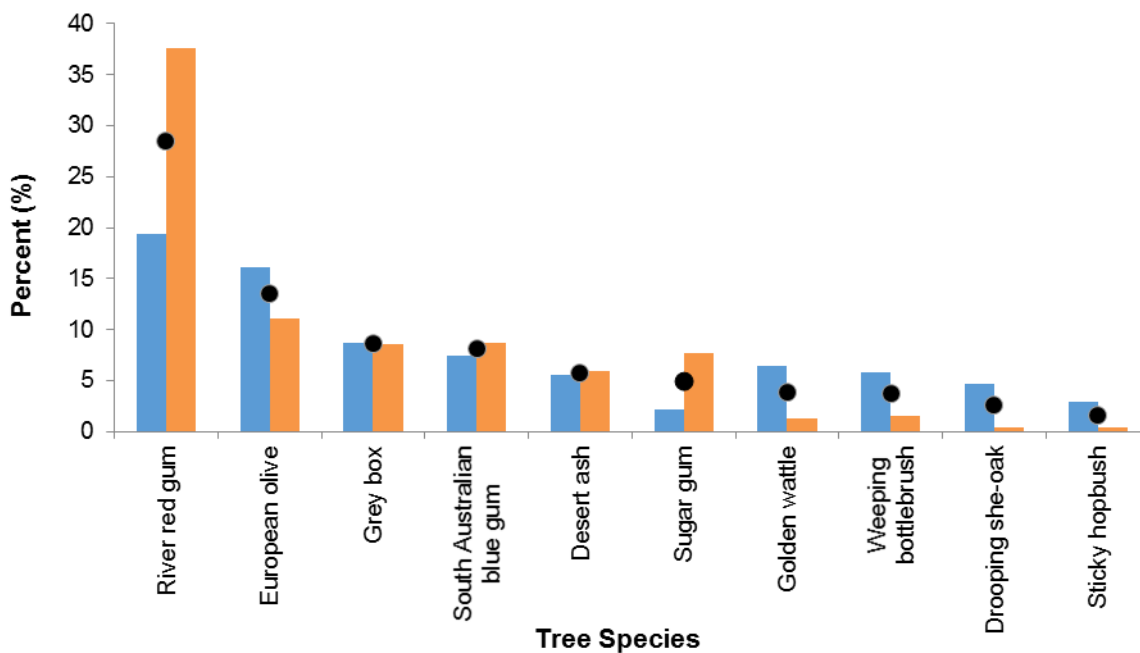


Figure 10. Top 10 tree species based on importance indices (●). The percent composition of the Park's forest (■) and relative percent leaf area (■) is also shown for each species.

3.2 Ecosystem services and values of Ridge Park's trees

Ecosystem services provided by trees and able to be measured and valued by i-Tree Eco include: air pollution removal, carbon dioxide storage and sequestration, and rainfall interception (or avoided run-off). The combined ecosystem services provided by Ridge Park's trees in 2015 was valued at approximately **\$8,780**. The following Sections (3.2.1-3.2.3) provide further details for the component elements comprising this valuation.

3.2.1 Air pollution removal

A range of pollutants contribute to decreased air quality, including some volatile organic compounds (VOCs) produced by trees. In urban areas air quality is particularly poor given the high concentration of pollutant sources, such as: vehicle exhaust emissions, solvent use, domestic heating, and industrial processes (State of the Environment 2011 Committee, 2011). Of the main anthropogenic-produced pollutants, those considered in the i-Tree Eco assessment are: carbon monoxide (CO), ozone (O₃), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and fine and coarse particulate matter (e.g. dust, smoke).

The impacts of decreased air quality are varied but often significant, including decreased human health and plant functioning, degraded ecosystem functioning, and increased infrastructure damage (Brimblecombe, 2003; Brimblecombe, 2016; Emberson, et al., 2003; Ayres, et al., 2006; World Health Organization Regional Office for Europe, 2013). This is particularly problematic as most people now live and work in urban centres.

Trees have been shown to make a significant contribution to directly and indirectly improving air quality. For example, directly removing pollutants from the air and reducing air temperature, and indirectly reducing energy consumption in buildings (e.g. through shading) which results in decreased demands on power plants and so decreased emissions.

The amount of air pollution removed by trees in Ridge Park was estimated using tree data collected in the field and applied to i-Tree Eco which incorporates local pollution and weather data (from the Adelaide Airport weather station) and estimated pollutant values in its model. Overall, the Park's forest is estimated to remove 203.56kg of pollutants per year, with a total value of \$99.22⁴ (Figure 11). The greatest pollution impact was on ozone (108.49kg/yr, valued at \$73.01), followed by particulate matter (76.39kg/yr, valued at \$14.07).

Overall, eucalypts made the greatest contribution to pollution removal, in absolute terms and relative to abundance, removing 153kg of pollution per year. River red gums removed the most pollution due to their high abundance (88.03kg). However, relative to abundance, the two gum-barked coolibahs (*E. intertexta*) had the greatest impact on pollution removal, with each tree on average removing 1.3kg of pollution per year; followed by the 15 sugar gums (*E. cladocalyx*; average 1.17kg/yr/tree), and the 132 river red gums (average 0.66kg/yr/tree). This is likely because gum-barked coolibahs and most of the sugar gums are larger, more mature trees (majority DBH >50cm), whereas the majority of the river red gums in the Park are relatively small (<50cm DBH) (further information in Appendix C).

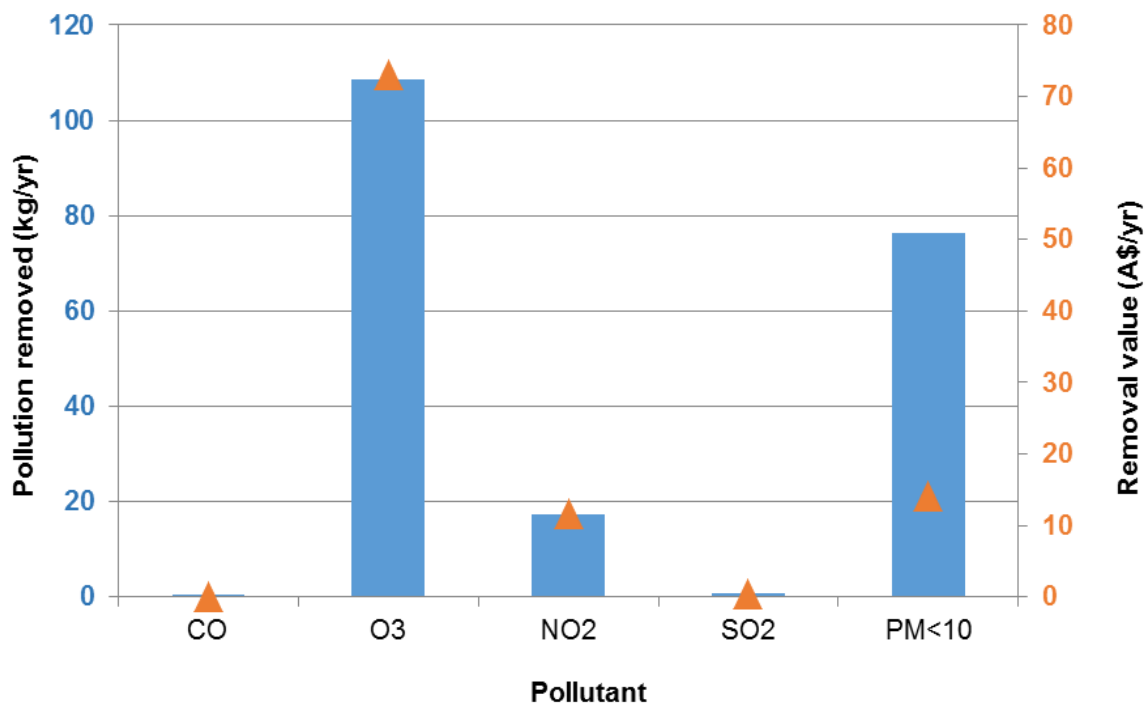


Figure 11. Amount (kg) (■) and dollar value (\$) (▲) of pollutants removed per year by trees in Ridge Park. Pollutants are: carbon monoxide (CO), ozone (O3), nitrogen dioxide (NO2), sulfur dioxide (SO2), fine particulate matter (PM2.5), and coarse particulate matter (PM10)⁵.

⁴ Pollution removal value is calculated based on the prices of: A\$23 per metric tonne (CO); A\$673 per metric tonne (O3); A\$673 per metric tonne (NO2); A\$471 per metric tonne (SO2); A\$185 per metric tonne (PM2.5); A\$185 per metric tonne (PM10).

⁵ PM<10 provides the total pollution removal and value for particulate matter less than 10 microns.

3.2.2 Carbon storage and sequestration

Climate change is a key issue of local, regional and global concern. Whereas action at the regional and global scales may focus more on climate change mitigation, at the local scale (e.g. local government), adaptation tends to underpin actions. Urban trees can play a key role in helping to mitigate climate change impacts by sequestering atmospheric carbon (from carbon dioxide) in their tissue and also by altering energy use in buildings through shading, which lowers air temperatures, and in turn can reduce carbon dioxide emissions from fossil-fuel based power plants.

As trees grow they increasingly reduce the amount of carbon in the atmosphere by sequestering carbon in new growth every year. Conversely, when trees die and decay, much of their stored carbon is released back to the atmosphere. However, as trees mature, their growth rates slow and canopy/leaf density tends to thin. This has led to long-held assumptions that the amount and rate of carbon sequestration offered by older trees will decline. However, a recent study published in *Nature* has shown that for the majority of species, the rate of carbon accumulation actually continues to increase as trees mature. That is, as trees age they continue to actively fix (rather than simply store) large amounts of carbon compared to smaller trees, and they appear to do so at a faster rate. This is explained by ongoing increases in total leaf area which outpace declining rates of productivity per unit of leaf area and counteract declines in leaf density (Stephenson, et al., 2014). Accordingly, maintaining a healthy growing and mature tree population will ensure more carbon is stored than released.

Total carbon currently stored in Ridge Park's trees is about 342 tonnes valued at approximately \$7,871, and gross carbon sequestration is about 10.08 tonnes of carbon per year with an associated value of approximately \$232 per year⁶ (further details in Appendix A). River red gums in the Park store and sequester the most carbon (approximately 45% of total carbon stored and 32.7% of all sequestered carbon), followed by grey box, South Australian blue gum, European olive, sugar gum, and desert ash (Figure 12).

It should be noted that the location of each tree is considered in i-Tree Eco modelling, with calculations adjusted downwards for "street" trees versus "park" trees, due to the conditions associated with these localities which will impact on the rate and maximum tree growth.

⁶ Carbon values calculated at \$23/MT

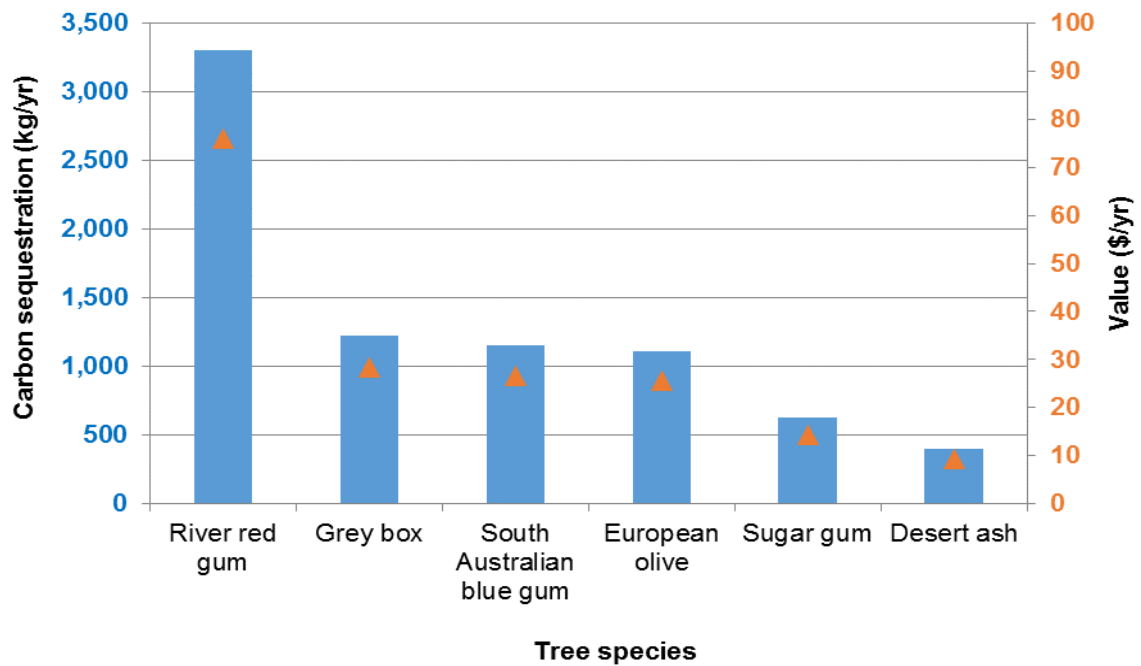


Figure 12. Carbon sequestration amount (kg/yr) and value (\$/yr) for species comprising the 10% of highest carbon sequestering species in Ridge Park.

3.2.3 Avoided run-off

Regulating stormwater runoff entering public water sources is a key issue in many urban areas, particularly with regard to minimising discharge rates and avoiding /reducing pollutants. Within Ridge Park, the recent construction of a flood mitigation dam wall at the western end of Glen Osmond Creek, together with existing managed aquifer recharge infrastructure, highlight the importance of stormwater management in the Park.

Urban trees aid in reducing stormwater runoff by their leaves and branches intercepting a portion of the rain that falls, and by their root systems promoting infiltration and storage of water in the soil. Reducing the volume of runoff during a storm event helps to minimise both soil erosion potential and peak flow levels.

Ridge Park's trees help to reduce run-off by an estimated 262.1 m³/yr, which has an associated value of \$595 annually⁷ (Appendix D). As with all benefits these values will continue to increase as the trees grow and increase their canopy coverage, especially over impervious surfaces such as footpaths and parking lots. The top six species for rainfall interception are river red gum, European olive, grey box, South Australian blue gum, sugar gum, and desert ash (Figure 13).

⁷ Avoided runoff value is calculated at \$2.272/m³.

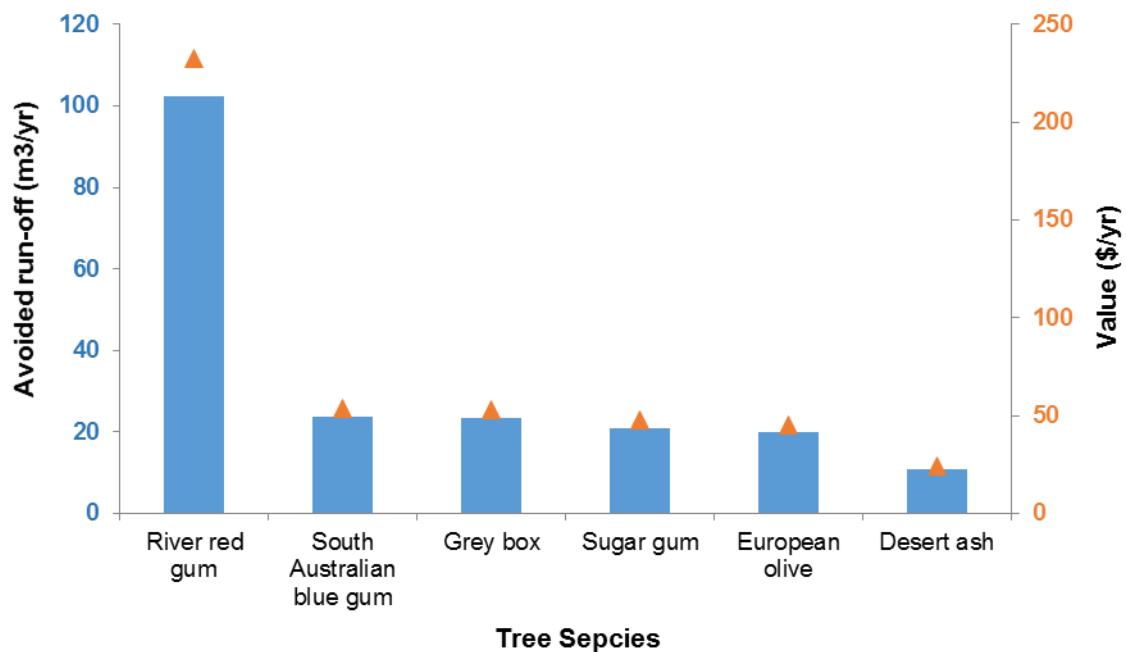


Figure 13. Annual avoided run-off amount (m3) and value (\$) for species with greatest overall impact on run-off in Ridge Park.

In addition to the ecosystem services discussed in this Section, trees also provide a range of other functional values that are not quantified in this study (e.g. reduction in air temperatures, energy savings, water quality improvements, aesthetics, enhanced human health, and wildlife habitat). As such, the valuations provided in this report are considered to be conservative and represent only part of the likely actual values of tree benefits.

Management implications: Tree age, health and species influences the functional values provided. Accordingly, management programs, whilst focussing on increasing species diversity and maintaining (or increasing) canopy cover, should also aim to maintain mature and healthy trees. Furthermore, when selecting species to plant, consideration should be given to maximising the functional values offered by different species.

3.3 Structural value of Ridge Park’s trees

As well as ecosystem services values described in Section 3.2, the structural values of trees can be estimated. Also sometimes referred to as “replacement value”, the structural value calculated by i-Tree Eco is a depreciated replacement cost based on the Council of Tree and Landscape Appraisers (CTLA) formulae (Watson, 2001; Watson, 2002). The formula incorporates average tree compensatory values, which considers the tree species, size, condition, and location is an estimate of the value of the forest as a structural asset (i.e. the nursery prices of replacing a tree with a similar tree).

For small trees, a replacement cost based on nursery prices can generally be used, but for larger trees, several estimation procedures are used (Nowak, et al., 2002). Structural value calculations provide an approximate value for a population and are not intended to represent

an individual tree's ecosystem services valuation (USDA Forest Service; plus cooperators, 2015a). Rather, the structural value is intended to provide a useful management tool, as it is able to value what it might cost to replace any or all of the trees should they naturally senesce or become damaged (e.g. from storms or disease).

Overall, Ridge Park's forest was estimated to have a current structural value of **\$3,093,814**. Eucalypts comprised approximately 72.6% of the structural value (~\$2.24M), with river red gums representing the highest proportion (~\$1.3M; 58% of eucalypt value; 42% overall trees value). Exotic species comprised approximately 18% of the overall structural value in the Park. With regard to relative abundance, the single manna gum (*E. viminalis*) recorded in the Park had the highest structural value at \$24,116, compared to river red gums which had an average value of \$9,890 per tree. However, it should be noted that the average value per tree for river red gums is biased by the high number of smaller trees with associated smaller leaf areas; in fact, the top five highest structural values for individual trees are all river red gums, ranging in value from \$49,047 to \$53,137 (Figure 14; Appendix A).

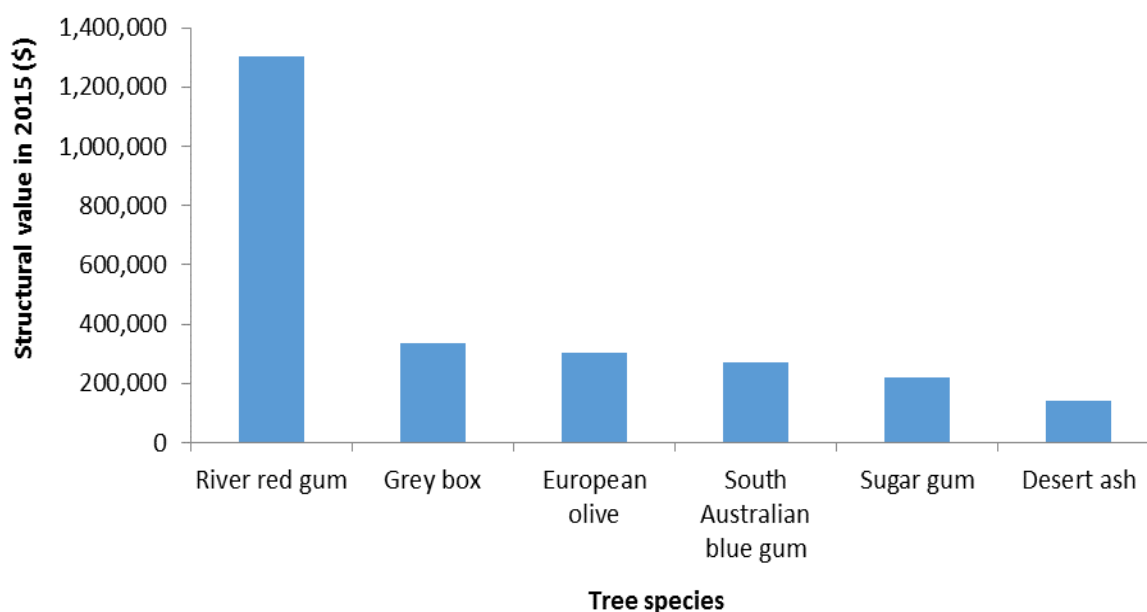


Figure 14. Structural value (\$) of the six most valuable species in Ridge Park.

3.4 Extrapolations and indicative values

The following section provides some indicative value calculations for:

- Potential lost ecosystem services for trees recommended for removal in Ridge Park, as described further in the Tree Risk and Hollows Assessment report (Adelaide Arb Consultants, 2016); and
- City-wide ecosystem services value, based on Ridge Parks' average species' values and extrapolated to similar species comprising the City's street trees; with street tree information based on a street tree audit conducted in 2014/2015 (Adelaide Arb Consultants, 2015).

3.4.1 Impact of tree removals on Ridge Park's forest value

Based on the Tree Risk and Hollows Assessment report (Adelaide Arb Consultants, 2016), a total of 135 trees are recommended for removal. Removal may have been recommended for a variety of reasons including, for example: listed weed species requiring control, poor management, compromised growing conditions, or high risk elements. The trees recommended for removal in Ridge Park are predominantly weed species (81%) but will still result in a decline in canopy cover and functional and structural values of Ridge Park's forest. Additional partial losses of functional and structural values will occur as a result of pruning, with a further 136 trees recommended for various pruning works (Adelaide Arb Consultants, 2016).

The proposed removal of 135 trees in Ridge Park would result in a 10% decline (~15,000m²) in canopy cover, and a decline in the Park's overall forest value (relative to 2015 values) of approximately \$577 worth of functional values and \$275,510 worth of structural values. Such losses will be important to consider with reference to values offered by other species, in order to help select replacement trees which will replace, if not improve, the values lost through tree removals. Further details of trees recommended to replace removed trees within riparian zone (i.e. along Glen Osmond Creek) are detailed in the Riparian Rehabilitation report (Seed Consulting Services, 2016).

Management implications: The planned removal of trees should incorporate a planned replacement planting program using suitable native mid-storey and canopy tree species. Selecting species for use in replacement plantings should consider replacing not only lost structural values but also lost functional values, as well as other potential impacts on the public use of the Park and the watercourse bisecting the Park (further details in Riparian Rehabilitation Plan for Glen Osmond Creek, Seed Consulting Services, 2016).

3.4.2 Extrapolation of tree valuations across the City

The street tree audit conducted in 2014/2015 (Adelaide Arb Consultants, 2015) identified a total of 22,426 street trees within the City of Unley. However, the species composition and abundance of recorded street trees varied from that recorded in Ridge Park. Accordingly, only tree species that were common to Ridge Park and the street tree population were considered in these calculations (18 species and 15,660 street trees) (Table 2).

It is important to note that these calculations are indicative only and will be calculated for each species as follows:

$$\text{Street tree value} = \text{Ridge Park average value/tree} \times \text{number of street trees}$$

The actual values provided by the City's street tree will vary from this extrapolated value and a number of caveats must be acknowledged when considering the extrapolated calculations including, but not limited to:

- Differences in age classes, size classes, leaf areas, and health/condition of trees between Ridge Park and the street tree data set;
- Differences in the location of trees (i.e. park vs. street) which will influence the structural value estimates (i-Tree Eco applies downward adjustments in its calculations for street trees, but not for park trees due to differences in growing conditions);

- Differences in species abundance between Ridge Park and street trees should be noted, with valuations for some tree species in Ridge Park being based on single tree specimen which will influence the ability to extrapolate across a number of specimens in the street trees data set (Table 2);
- Valuations are provided for street trees only; with trees located in other parks within the City or on private property are not included.

For the 70% of street trees considered, the extrapolated calculations suggest total valuations for the year 2015 as follows:

- Structural value: \$35,581,881;
- Pollution removed: 2,4279 kg/yr (\$1,047/yr);
- Carbon sequestered: 166 T/yr (\$3,823/yr);
- Carbon stored: 3,001 T (\$69,013);
- Avoided run-off: 4,057 m³/yr (\$9,214/yr)

Management implications: Understanding the value of services provided by trees can allow for the cost-benefit of trees to be calculated (assuming management costs are known). This information can enable the asset value of trees (“natural capital”) to be more directly comparable with other, more traditionally valued, built assets, which may prove particularly useful for informing investment and prioritisation strategies.

Note that using i-Tree Eco valuations to calculate a return on investment for trees is likely to undervalue the true asset value of trees. This is because the i-Tree Eco valuations do not incorporate the full suite of beneficial services provided by trees, such as: aesthetics, shading/cooling and associated energy savings, wind control, improved human health and well-being, biodiversity services, climate change adaptation, enhanced water quality, local economic prosperity, built infrastructure maintenance savings, and higher property valuations (Pandit, et al., 2013).

Table 2. Tree species used in extrapolation of service values to the City's street trees, listed alphabetically by scientific name. Also shown are the relative abundances of each species between the Ridge Park data set and the street tree data set.

SCIENTIFIC NAME	COMMON NAME	TREE COUNT	
		Ridge Park	Unley Streets
<i>Agonis flexuosa</i>	Willow myrtle	5	325
<i>Angophora costata</i>	Smooth-barked angophora	1	124
<i>Brachychiton acerfolius</i>	Illawarra flame tree	1	105
<i>Brachychiton populneus</i>	Kurrajong	3	99
<i>Callistemon viminalis</i>	Weeping bottlebrush	40	999
<i>Eucalyptus camaldulensis</i>	River red gum	132	102
<i>Eucalyptus leucoxylon</i>	South Australian blue gum	51	247
<i>Eucalyptus sideroxylon</i>	Mugga ironbark	1	355
<i>Eucalyptus sp.</i>	Gum (unknown sp.)	5	197
<i>Eucalyptus torquata</i>	Coral Gum	5	384
<i>Fraxinus angustifolia subsp. angustifolia</i>	Desert ash	38	897
<i>Jacaranda mimosifolia</i>	Jacaranda	3	5,386
<i>Lophostemon confertus</i>	Brush box	9	4,112
<i>Melaleuca armillaris</i>	Bracelet honey-myrtle	4	114
<i>Melaleuca styphelioides</i>	Prickly-leaved paperbark	2	744
<i>Melia azedarach</i>	White cedar	1	528
<i>Olea europaea</i>	European olive	110	113
<i>Platanus acerfolius</i>	London plane	1	829
	TOTAL	412	15,660

4 Trees and Fauna

As mentioned previously, one of the functional values offered by trees that are not incorporated in i-Tree Eco valuations is potential biodiversity services. Valuing such biodiversity services is particularly difficult given the high number of species and their specific requirements and responses, as well as the range of ways in which trees may directly or indirectly benefit them. This section therefore, provides a high level overview of potential biodiversity services offered by the trees in Ridge Park, taking into account direct uses by fauna species (e.g. for foraging or habitat purposes) as well as indirect uses (e.g. landscape structure and function, buffers, climate protection).

Based on incidental observations made whilst measuring trees, a total of 19 vertebrate fauna species were identified occurring within Ridge Park (Table 3). In addition, a number of micro-bat habitat boxes attached to trees in the Park suggest the occurrence of micro-bats, despite not being observed during the tree surveys (though see Adelaide Arb Consultants, 2016). Yellow-tailed black-cockatoos (*Calyptrorhynchus funereus*) were also often observed flying over the Park. This species is listed as vulnerable under State legislation, and is a known faunal associate of the federally threatened Grey box woodland community, which is believed to have occurred in the Park's location pre-clearing (see Section 3.1.1).

Based on these observations, it is clear that a variety of fauna species currently use the Park directly for foraging, habitat, breeding, and shelter purposes. Species diversity may be further increased in the Park with careful consideration in forward planning and management actions (e.g. species selection and planting densities). Specific fauna observations related to trees include:

- Roosting in dense foliage by boobook owls;
- Several possum dreys and bird nests;
- Use of tree hollows by a range of fauna species (Adelaide Arb Consultants, 2016);
- Tall branches used as hunting vantage points by kookaburras;
- Roosting in upper limbs by various birds (e.g. magpies, galahs)
- Habitat and foraging on foliage by koalas and ring-tail possums;
- Foraging on various blossoms by parrots and honeyeaters;
- Foraging on upper canopy leaf invertebrates by pardalotes; and
- Hunting, thermoregulation and shelter on tree trunks by skinks.

In addition, the trees in the Park were also observed to offer indirect services to animals. For example, during two extreme heat days (maximum temperatures exceeding 40°C) a number of birds were observed to preferentially congregate under the dense tree foliage along the riparian zone (despite no water being present for additional cooling), and koalas and possums were observed to position themselves within denser canopied tree. This indicates the critical importance of trees in providing shading and cooling services.

The Park and its trees also play an important role in the broader landscape, both in terms of landscape composition and connectivity. Research has shown that in urban areas, the total amount of suitable habitat in a landscape has a positive impact (more so than connectivity) on biodiversity (Garden, et al., 2010); though ensure functional connectivity between these habitat patches will further improve overall species diversity and genetic resilience. Ridge Park is one of the largest vegetated areas in the metropolitan urban landscape between the Adelaide Hills and the parklands surrounding the City of Adelaide. It is also a significant

urban vegetated area along Glen Osmond Creek. Accordingly, its positive influence on species diversity and genetic resilience in the broader landscape should not be underestimated.

Management implications: Careful consideration should be given to the direct and indirect services offered by the Park when making decisions regarding planning and management of the Park. In particular, ensuring that the values of lost trees (e.g. through removal, storm damage, or natural senescence) are replaced will be critical. Ideally, replacement of lost trees will occur prior to tree loss as part of forward planning decisions, though where such losses occur unexpectedly, replacement should be conducted as soon as is practically possible. Above and beyond maintaining current tree service values within the Park, planning of planting programs should aim to increase the current overall ecosystem service values.

Planting programs aimed at increasing ecosystem service values should also aim to create additional multiple benefits for humans, fauna and the environment in general. In particular, tree species selection decisions should consider impacts on ecosystem service values as well as biodiversity, climate change adaptation and resilience, aesthetics, soil protection and stabilisation, and shading/cooling impacts. For example, as a favoured food source of yellow-tailed black-cockatoos, she-oaks (*Allocasuarina* and *Casuarina*) may be selected for planting programs to help encourage these birds in to the park (thereby also assisting with their overall conservation). However, the management requirements of these trees may be higher (Adelaide Arb Consultants, 2016), and shading and ecosystem service values potentially relatively lower than, for example, trees such as spotted gums (*E. maculata*), *Acacia* sp. and *Banksia* sp. which can also provide foraging resources for the cockatoos but may provide better aesthetic and ecosystem service values, as well as foraging and habitat resources for a range of other species (e.g. koalas, pardalotes, hollow-nesting birds and mammals). Selecting a combination of such trees may provide the best solution for helping to achieve multiple outcomes as well as facilitating the creation of more resilient landscapes through increased species diversity.

Table 3. Fauna species incidentally observed at Ridge Park during tree surveys.

SCIENTIFIC NAME	COMMON NAME	COMMENTS
AMPHIBIANS		
<i>Litoria ewingi</i>	Southern brown tree frog	- likely ID, heard calling from creek line and also near trees adjacent to residential fences on southern boundary of the Park - known to be common resident of Adelaide's suburbs
BIRDS		
<i>Cacatua galerita</i>	Sulphur-crested cockatoo	- observed perching in various trees
<i>Calyptorhynchus funereus</i>	Yellow-tailed black-cockatoo	- listed as vulnerable under the State's NPW Act - observed regularly flying over Park, though not within the Park
<i>Cracticus tibicen</i>	Australian magpie	- observed perching in various trees and taking refuge under shade on hot days
<i>Dacelo novaeguineae</i>	Laughing kookaburra	- observed hunting in the Park
<i>Eolophus roseicapilla</i>	Galah	- observed perching in various trees
<i>Glossopsitta concinna</i>	Musk lorikeet	- observed perching and foraging in various trees
<i>Grallina cyanoleuca</i>	Murray magpie	- observed perching in various trees
<i>Manorina melanocephala</i>	Noisy miner	- observed perching and foraging in various trees
<i>Ninox boobook</i>	Southern boobook	- observed roosting across Glen Osmond Creek under dense foliage of olive trees - anecdotal reports by resident of them roosting in planted trees near Spence Ave houses
<i>Pardalotus striatus</i>	Striated pardalote	- common species observed regularly foraging in high eucalypt canopies
<i>Petrochelidon nigricans</i>	Tree martin	- a small flock observed on one day
<i>Platycercus elegans</i>	Crimson 'Adelaide' rosella	- observed perching and foraging in various trees
<i>Platycercus eximius</i>	Eastern rosella	- observed perching and foraging in various trees and using tree hollows
<i>Strepera versicolor subsp. melanoptera</i>	Black-winged currawong	- primarily observed in association with trees along Glen Osmond Creek and taking refuge in shade in this area on hot days
<i>Trichoglossus moluccanus</i>	Rainbow lorikeet	- observed perching and foraging in various trees and using tree hollows

SCIENTIFIC NAME	COMMON NAME	COMMENTS
MAMMALS		
<i>Phascolarctos cinereus</i>	Koala	- regularly seen in various trees of Ridge Park
<i>Pseudocheirus peregrinus</i>	Ringtail possum	- 2 individuals regularly seen in trees planted adjacent to Barr Smith Ave - several dreys also noted in various trees
REPTILES		
<i>Tiliqua scincoides</i>	Eastern blue-tongue	- observed near the dam wall
Unknown	Skink sp.	- observed on various tree trunks
OTHER		
<i>Delias aganippe</i>	Wood white butterfly	- observed a handful of times; tends to be rare in settled areas - dependent on mistletoes and native cherries, and particularly attracted to butterfly bush (<i>Buddleia</i> spp.)
Unknown	Cicada sp.	- a number of shed cicada nymph shells observed, potentially redeye (<i>Psaltoda moerens</i>) which is known to occur in Adelaide where it tends to preferentially feed on manna gums (<i>Eucalyptus viminalis</i>) and messmate stringybarks (<i>Eucalyptus obliqua</i>) - good food source for many vertebrate species

5 Discussion

Trees in urban areas have long been acknowledged to contribute to a city's character and attractiveness and help create a unique "sense of place". However, under increasing demands for space and resources to support opposing land-uses, it has been difficult to argue for the protection of trees, based on predominantly intangible values. Using, i-Tree Eco we are able to apply a scientific modelling approach to measuring some of the environmental benefits provided by trees, which will help to align the status of trees with other urban assets.

Although widely used across the USA, Canada, and the UK, this i-Tree Eco assessment of Ridge Park's trees represents, to the best of our knowledge, the first of its kind conducted in South Australia, and one of only a small number conducted nationally. The findings from this study will therefore provide baseline data for comparison purposes in the future. This will help managers understand if their actions around tree plantings and maintenance are resulting in increases or decreases in tree canopy cover and associated benefits.

The results of this assessment show that Ridge Park's trees are an important environmental asset in the urban landscape, helping to improve air quality and water quality, which in turn will likely have beneficial impacts on the well-being of near-by residents and Park users. In addition, the Park's trees are likely to have beneficial impacts on biodiversity at the local and landscape levels, as well as for climate change adaptation. Although some of the ecosystem services provided by Ridge Park's trees may at first seem negligible, the long-term potential for these trees to reduce carbon emissions and their role in climate change adaptation, urban heat island mitigation, soil protection, biodiversity conservation, and human health and well-being should not be overlooked. In particular, the value of eucalypts is apparent from the project findings, with these long-lived trees able to grow to very large sizes, thereby providing substantial functional and structural values for people, biodiversity, and the environment.

It should also be recognised that the trees in Ridge Park represent only a fraction of the City's overall urban forest. Together, the trees forming the City of Unley's urban forest will have substantial impacts on the air and water quality in the City, as well as the health and well-being of people who live, work and visit the region. This was demonstrated by the indicative values extrapolated to a sub-set of the City's street tree population.

Information derived from this project can be used to help underpin management decisions relating to tree planting and replacement programs and actions, green infrastructure initiatives, and long-term resilience planning. Understanding the benefits and their associated values can lead to cultural and policy changes which will help to improve the quality of the urban forest, leading to increased benefits for the City of Unley's residents and businesses. Examples of potential management strategies which may be informed by the information this understanding include:

- Species selection for diversity and greatest environmental impact;
- Protection and promotion of large shade trees;
- Public stewardship;
- Climate change adaptation and resilience planning;
- Water management and soil protection;
- Biodiversity conservation (including threatened species and ecosystems); and
- Improved landscape planning and prioritisation.

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7 Appendices

- A.** Table 1: Individual tree characteristics in Ridge Park
Table 2: Tree characteristics in Ridge Park by species
- B.** Table 1: Species importance in Ridge Park
- C.** Table 1: Individual tree pollution effects in Ridge Park
Table 2: Pollution effects in Ridge Park by species
- D.** Table 1: Individual tree avoided run-off in Ridge Park

7.1 Appendix A. Tree characteristics in Ridge Park

Individual Tree Characteristics in Ridge Park

Series: RP_EcoInvt_Dec2015, Time Period: 2015

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m ²)	Tree Condition	Leaf Area (m ²)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
1	White ironbark	19.0	9.0	19.60	Excellent	92.58	11.98	4.72	66.14	10.69	1,168.0	NO	NO
2	Golden wattle	25.5	8.0	56.70	Good	233.85	56.52	4.12	144.50	8.74	1,593.0	NO	NO
3	Golden wattle	5.0	3.9	1.50	Excellent	6.39	1.54	4.15	3.05	0.94	54.0	NO	NO
4	Golden wattle	8.0	2.7	1.10	Excellent	6.29	1.52	5.56	7.81	3.20	195.0	NO	NO
5	White ironbark	31.0	12.5	37.40	Excellent	368.03	47.64	9.84	220.79	21.23	3,125.0	NO	NO
6	River she-oak	19.0	8.1	27.30	Excellent	95.96	7.19	3.51	63.67	5.84	1,168.0	NO	NO
7	River she-oak	16.0	8.2	20.40	Excellent	95.82	7.17	4.69	43.37	8.44	826.0	NO	NO
8	Golden wattle	7.0	5.0	9.10	Excellent	18.19	4.40	2	7.25	1.48	106.0	NO	NO
9	Golden wattle	4.0	3.0	2.80	Excellent	6.41	1.55	2.26	2.02	0.53	53.0	NO	NO
10	Native Apricot	5.0	3.0	2.00	Excellent	3.99	0.30	1.99	2.49	0.71	54.0	NO	NO
11	Southern Cypress-Pine	3.0	2.3	0.50	Excellent	1.07	0.08	2.12	0.73	0.36	60.0	NO	NO
12	Red gum eucalyptus	20.0	8.9	23.80	Excellent	97.12	13.44	4.09	74.59	11.45	1,295.0	NO	NO
13	White ironbark	31.0	17.8	70.90	Fair	268.08	34.70	3.78	222.95	21.79	2,562.0	NO	NO
14	Red gum eucalyptus	7.0	5.9	5.30	Excellent	20.80	2.88	3.92	6.74	2.82	137.0	NO	NO
15	Southern Cypress-Pine	10.0	5.3	5.30	Excellent	17.06	1.28	3.21	13.33	4.41	301.0	NO	NO
16	Southern Cypress-Pine	18.2	5.7	5.70	Excellent	19.21	1.44	3.35	53.84	9.81	963.0	NO	NO
17	White ironbark	26.0	19.2	31.20	Excellent	92.37	11.96	2.96	144.44	9.58	2,195.0	NO	NO
18	Southern Cypress-Pine	22.0	6.0	7.10	Good	17.94	1.34	2.54	85.41	5.54	1,342.0	NO	NO
19	Golden wattle	5.0	5.2	6.20	Excellent	8.83	2.14	1.43	3.36	0.74	54.0	NO	NO
20	Red gum eucalyptus	13.0	6.6	8.00	Excellent	18.45	2.55	2.29	25.32	3.44	542.0	NO	NO
21	Red gum eucalyptus	4.0	4.4	2.00	Excellent	5.52	0.76	2.75	1.77	0.72	68.0	NO	NO
22	Southern Cypress-Pine	23.8	9.9	8.00	Excellent	34.95	2.62	4.35	106.27	8.04	1,640.0	NO	NO
23	Red gum eucalyptus	12.0	6.2	8.60	Excellent	19.77	2.74	2.31	21.09	3.08	460.0	NO	NO
24	Red gum eucalyptus	6.0	6.0	2.50	Excellent	6.81	0.94	2.68	4.29	1.23	100.0	NO	NO
25	Narrow-leaved box	18.0	9.7	26.40	Good	93.08	12.05	3.52	59.18	5.49	995.0	NO	NO
26	Golden wattle	8.0	5.5	15.20	Excellent	60.47	14.61	3.98	13.44	3.32	195.0	NO	NO
27	Golden wattle	6.0	6.3	11.90	Excellent	53.18	12.85	4.45	9.07	2.34	78.0	NO	NO
28	Narrow-leaved box	5.0	4.2	2.30	Excellent	5.70	0.74	2.51	2.74	0.95	70.0	NO	NO
29	Golden wattle	3.0	2.8	1.80	Excellent	5.88	1.42	3.33	1.28	0.49	53.0	NO	NO
30	Red gum eucalyptus	17.0	9.6	14.50	Excellent	114.54	15.85	7.89	53.79	9.25	933.0	NO	NO
31	Golden wattle	8.0	7.1	16.60	Excellent	76.22	18.42	4.59	15.18	3.38	195.0	NO	NO
32	Narrow-leaved box	3.0	2.8	2.00	Excellent	5.32	0.69	2.64	0.99	0.97	68.0	NO	NO
33	Sugargum	70.0	9.1	59.40	Excellent	195.34	25.29	3.29	1,404.90	65.31	15,971.0	NO	NO
34	Narrow-leaved box	3.0	2.6	1.00	Excellent	3.74	0.48	3.94	0.90	0.97	68.0	NO	NO
35	Ribbon gum eucalyptus	90.0	18.2	176.70	Good	591.16	76.53	3.35	2,679.58	53.48	24,116.0	NO	NO
36	Red gum eucalyptus	14.0	8.6	9.60	Excellent	21.40	2.96	2.22	30.87	3.87	630.0	NO	NO
37	Golden wattle	14.0	9.3	18.10	Good	15.98	3.86	0.88	31.47	3.05	503.0	NO	NO
38	Golden wattle	16.4	7.3	54.10	Good	123.55	29.86	2.28	54.46	4.75	679.0	NO	NO
39	River she-oak	5.0	2.9	4.20	Excellent	3.67	0.27	0.88	2.48	0.71	70.0	NO	NO
40	White ironbark	40.0	11.8	84.90	Excellent	177.66	23.00	2.09	377.79	30.07	5,209.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
41	Red gum eucalyptus	103.0	22.3	323.70	Good	939.02	129.97	2.9	3,764.28	62.28	29,827.0	NO	NO
42	Redflower gum	21.0	5.7	41.90	Excellent	54.28	4.06	1.3	76.96	5.16	1,429.0	NO	NO
43	Redflower gum	40.0	11.8	109.40	Good	187.08	14.01	1.71	374.19	13.13	4,948.0	NO	NO
44	Peppermint tree	50.0	11.6	93.30	Good	275.82	20.65	2.96	636.37	22.85	7,737.0	NO	NO
45	Southern Cypress-Pine	6.0	4.8	2.00	Excellent	5.10	0.38	2.54	3.96	0.94	89.0	NO	NO
46	Silk oak	51.0	19.0	91.60	Excellent	312.46	37.99	3.41	698.91	24.14	8,473.0	NO	NO
47	Golden wattle	3.0	3.2	2.30	Excellent	4.82	1.17	2.12	1.19	0.37	53.0	NO	NO
48	White ironbark	48.0	16.3	122.70	Fair	204.38	26.46	1.67	594.51	21.97	6,154.0	NO	NO
49	Prickly-leaved Paperbark	25.9	6.3	27.30	Excellent	105.46	7.90	3.86	128.40	16.02	1,735.0	NO	NO
50	Spotted gum	45.0	24.0	105.70	Good	251.67	18.84	2.38	528.54	20.68	6,265.0	NO	NO
51	Red gum eucalyptus	88.0	21.4	147.40	Excellent	561.67	77.74	3.81	2,569.16	52.23	24,418.0	NO	NO
52	Kurrajong	12.0	6.4	10.80	Excellent	21.36	1.87	1.99	20.80	2.41	428.0	NO	NO
53	Golden wattle	4.0	3.8	1.50	Excellent	2.42	0.59	1.57	1.67	0.54	53.0	NO	NO
54	Desert ash	31.0	10.9	70.90	Good	189.60	13.50	2.67	169.34	9.25	2,347.0	NO	NO
55	Smooth-bark angophora	47.0	15.0	130.70	Excellent	326.53	24.45	2.5	561.37	21.23	7,195.0	NO	NO
56	Desert ash	34.0	10.6	78.50	Good	138.82	9.88	1.77	206.41	8.11	2,817.0	NO	NO
57	Red gum eucalyptus	67.0	19.3	91.60	Good	332.75	46.06	3.63	1,330.16	35.38	13,899.0	NO	NO
58	Peppermint tree	60.0	9.6	66.50	Fair	95.38	7.14	1.43	966.61	23.07	9,620.0	NO	NO
59	Coral gum	57.6	12.8	138.90	Good	262.07	33.92	1.89	901.97	28.03	10,280.0	NO	NO
60	Golden wattle	8.0	6.2	15.90	Excellent	33.79	8.17	2.12	10.96	1.39	195.0	NO	NO
61	Narrow-leaved box	6.0	5.2	4.50	Excellent	4.62	0.60	1.02	4.08	0.94	100.0	NO	NO
62	Golden wattle	9.0	8.9	11.30	Excellent	20.97	5.07	1.85	12.61	1.68	238.0	NO	NO
63	Lemonscented gum	54.0	17.2	339.80	Excellent	693.31	51.91	2.04	797.41	25.98	9,500.0	NO	NO
64	Golden wattle	5.0	5.5	14.50	Excellent	54.02	13.06	3.72	7.75	1.85	54.0	NO	NO
65	Spotted gum	55.0	24.1	81.70	Good	281.20	21.06	3.44	845.79	27.28	9,363.0	NO	NO
66	Golden wattle	6.0	5.6	9.10	Excellent	27.25	6.59	3	6.51	2.32	78.0	NO	NO
67	Golden wattle	9.0	7.8	17.30	Excellent	36.86	8.91	2.12	13.97	1.66	238.0	NO	NO
68	Golden wattle	9.0	5.1	19.60	Excellent	39.01	9.43	1.99	13.73	1.61	238.0	NO	NO
69	Golden wattle	10.0	8.2	11.90	Excellent	22.08	5.34	1.85	15.53	1.92	286.0	NO	NO
70	Red gum eucalyptus	65.0	25.3	109.40	Good	609.79	84.40	5.58	1,284.25	61.85	13,081.0	NO	NO
71	Red gum eucalyptus	67.0	24.7	198.60	Good	713.07	98.69	3.59	1,380.08	35.95	13,899.0	NO	NO
72	Southern Cypress-Pine	6.0	3.8	4.90	Good	13.14	0.98	2.68	4.12	0.92	84.0	NO	NO
73	Red gum eucalyptus	5.0	5.5	2.30	Excellent	8.56	1.18	3.77	3.00	0.97	70.0	NO	NO
74	Red gum eucalyptus	6.0	6.0	2.50	Excellent	10.10	1.40	3.97	4.47	1.23	100.0	NO	NO
75	Golden wattle	5.0	5.9	2.30	Excellent	8.07	1.95	3.55	3.33	0.97	54.0	NO	NO
76	Golden wattle	7.0	7.1	10.20	Excellent	36.00	8.70	3.54	9.20	1.52	106.0	NO	NO
77	Red gum eucalyptus	4.0	5.0	2.50	Good	8.45	1.17	3.32	1.95	0.73	64.0	NO	NO
78	Southern Cypress-Pine	7.0	4.3	1.80	Excellent	7.20	0.54	4.07	5.63	1.47	121.0	NO	NO
79	Southern Cypress-Pine	4.0	3.6	1.30	Excellent	3.37	0.25	2.54	1.53	0.54	60.0	NO	NO
80	Golden wattle	4.0	4.2	1.50	Excellent	8.38	2.03	5.45	2.26	1.39	53.0	NO	NO
81	Golden wattle	11.0	9.6	18.90	Excellent	79.95	19.32	4.24	24.80	5.22	340.0	NO	NO
82	Golden wattle	5.0	3.9	2.50	Excellent	6.14	1.48	2.41	3.03	0.94	54.0	NO	NO
83	Golden wattle	6.0	4.4	7.50	Excellent	23.97	5.79	3.18	6.09	2.27	78.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
84	Red gum eucalyptus	7.0	7.6	3.10	Excellent	12.36	1.71	3.93	6.46	2.88	137.0	NO	NO
85	Golden wattle	6.0	6.3	6.60	Excellent	21.86	5.28	3.31	6.05	1.24	78.0	NO	NO
86	River she-oak	12.0	8.9	18.90	Excellent	117.81	8.82	6.25	24.26	5.81	460.0	NO	NO
87	Weeping bottlebrush	11.9	2.9	13.90	Good	20.74	1.55	1.5	19.19	2.93	371.0	NO	NO
88	Red gum eucalyptus	65.0	19.8	141.00	Good	434.55	60.14	3.08	1,246.78	33.96	13,081.0	NO	NO
89	Red gum eucalyptus	26.0	18.1	65.00	Good	182.65	25.28	2.81	148.69	9.53	2,085.0	NO	NO
90	Lemonscented gum	63.0	21.0	183.90	Good	598.77	44.84	3.26	1,158.60	32.63	12,288.0	NO	NO
91	Red gum eucalyptus	47.0	23.2	63.60	Good	245.16	33.93	3.85	588.60	21.89	6,835.0	NO	NO
92	Red gum eucalyptus	32.0	14.3	47.80	Good	228.17	31.58	4.77	232.84	12.41	3,164.0	NO	NO
93	Red gum eucalyptus	31.0	21.7	54.10	Good	224.99	31.14	4.16	226.77	12.31	2,968.0	NO	NO
94	Vinegartree	26.0	7.1	39.60	Excellent	139.83	10.47	3.53	131.42	8.95	2,195.0	NO	NO
95	Lemonscented gum	22.0	10.1	37.40	Fair	64.71	4.85	1.73	89.67	7.24	1,287.0	NO	NO
96	gum spp	49.0	23.3	147.40	Good	324.22	41.97	2.2	651.61	23.19	7,430.0	NO	NO
97	gum spp	48.0	20.3	93.30	Good	227.63	29.47	2.44	607.64	22.30	7,129.0	NO	NO
98	White ironbark	17.0	10.7	16.60	Excellent	68.68	8.89	4.13	51.54	5.12	933.0	NO	NO
99	Red gum eucalyptus	43.0	21.9	105.70	Good	267.31	37.00	2.53	477.88	19.27	5,720.0	NO	NO
100	Red gum eucalyptus	54.0	20.0	107.50	Good	291.94	40.41	2.72	803.10	26.23	9,025.0	NO	NO
101	Red gum eucalyptus	20.0	13.9	16.60	Excellent	56.13	7.77	3.38	75.56	6.52	1,295.0	NO	NO
102	Red gum eucalyptus	25.0	13.6	11.30	Excellent	27.22	3.77	2.4	123.71	6.91	2,029.0	NO	NO
103	Red gum eucalyptus	49.0	18.1	66.50	Excellent	226.74	31.38	3.41	631.49	22.76	7,821.0	NO	NO
104	River she-oak	3.6	5.2	4.20	Good	9.97	0.75	2.4	1.47	0.49	64.0	NO	NO
105	Red gum eucalyptus	20.0	7.6	17.30	Excellent	22.50	3.11	1.3	69.59	4.89	1,295.0	NO	NO
106	Lndon planetree Bloodgood	52.0	13.0	158.40	Excellent	766.92	35.23	4.84	695.08	24.27	7,850.0	NO	NO
107	River she-oak	13.0	8.9	13.90	Excellent	44.29	3.32	3.2	26.35	3.52	542.0	NO	NO
108	Red gum eucalyptus	64.0	22.3	130.70	Excellent	469.37	64.97	3.59	1,216.66	33.49	13,349.0	NO	NO
109	Yellow box	49.0	16.4	102.10	Good	289.25	37.44	2.83	628.63	22.62	7,430.0	NO	NO
110	Golden wattle	19.0	9.6	54.10	Good	224.19	54.19	4.14	83.38	5.91	901.0	NO	NO
111	Vinegartree	31.0	9.0	43.00	Fair	109.17	8.17	2.54	200.00	9.07	2,562.0	NO	NO
112	Red gum eucalyptus	21.0	16.8	16.60	Excellent	37.60	5.20	2.26	85.32	5.56	1,429.0	NO	NO
113	Red gum eucalyptus	67.0	22.7	91.60	Good	502.11	69.50	5.48	1,357.79	64.01	13,899.0	NO	NO
114	Golden wattle	7.0	6.0	7.50	Excellent	10.83	2.62	1.43	6.65	1.17	106.0	NO	NO
115	Primrose tree	21.0	7.1	14.50	Fair	32.86	2.46	2.26	77.37	5.22	944.0	NO	NO
116	Red gum eucalyptus	60.0	19.1	118.80	Good	340.70	47.16	2.87	1,026.05	30.30	11,145.0	NO	NO
117	Vinegartree	31.0	8.7	33.20	Poor	138.14	10.34	4.16	200.43	8.74	1,937.0	NO	NO
118	Coast grey box	42.0	17.0	103.90	Good	272.38	35.26	2.62	440.76	18.30	5,456.0	NO	NO
119	Primrose tree	48.0	10.7	43.00	Excellent	218.77	16.38	5.09	573.28	21.50	5,877.0	NO	NO
120	Sugargum	71.0	18.9	227.00	Good	528.23	68.38	2.33	1,531.65	38.34	15,609.0	NO	NO
121	Red gum eucalyptus	25.0	11.5	26.40	Good	145.18	20.09	5.49	128.23	8.71	1,927.0	NO	NO
122	Red gum eucalyptus	11.0	6.1	10.80	Excellent	25.81	3.57	2.4	17.68	2.13	385.0	NO	NO
123	Vinegartree	20.0	7.1	19.60	Critical	30.88	2.31	1.57	68.92	2.02	479.0	NO	NO
124	gum spp	20.0	5.1	38.50	Excellent	92.38	11.96	2.4	71.40	4.80	1,295.0	NO	NO
125	gum spp	23.0	18.3	35.30	Good	40.86	5.29	1.16	106.29	6.34	1,630.0	NO	NO
126	Sugargum	42.0	21.1	100.30	Good	327.07	42.34	3.26	453.16	18.60	5,456.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
127	Sugargum	51.0	18.2	191.10	Good	326.97	42.33	1.71	697.99	18.92	8,050.0	NO	NO
128	Sugargum	157.0	28.1	498.80	Fair	2,085.82	270.01	4.18	6,002.25	13.38	42,095.0	NO	NO
129	Vinegartree	14.0	4.7	12.60	Good	39.20	2.94	3.12	29.44	3.74	598.0	NO	NO
130	Sugargum	71.0	23.1	138.90	Good	676.86	87.62	4.87	1,564.39	69.48	15,609.0	NO	NO
131	Vinegartree	15.0	4.7	9.10	Good	23.00	1.72	2.53	34.01	4.11	688.0	NO	NO
132	River she-oak	15.0	6.2	18.90	Excellent	72.10	5.40	3.82	36.11	4.16	724.0	NO	NO
133	Florida hophbush	5.0	4.0	3.50	Critical	9.27	0.69	2.68	2.72	0.69	23.0	NO	NO
134	Florida hophbush	6.0	4.1	4.20	Critical	9.27	0.69	2.23	4.03	0.87	33.0	NO	NO
135	Florida hophbush	4.0	3.3	3.80	Fair	5.86	0.44	1.54	1.59	1.37	49.0	NO	NO
136	River she-oak	4.0	5.4	6.20	Fair	21.12	1.58	3.43	2.14	1.42	55.0	NO	NO
137	Silk oak	19.0	8.2	22.90	Good	97.11	11.81	4.24	65.58	10.63	1,110.0	NO	NO
138	Narrow-leaved box	7.0	6.3	3.80	Excellent	14.42	1.87	3.79	6.38	1.51	137.0	NO	NO
139	Red gum eucalyptus	24.0	9.1	20.40	Excellent	149.71	20.72	7.33	115.22	14.68	1,869.0	NO	NO
140	White ironbark	29.0	11.0	36.30	Excellent	312.07	40.40	8.59	186.47	19.23	2,733.0	NO	NO
141	Narrow-leaved box	24.0	10.8	47.80	Good	304.95	39.48	6.38	124.27	14.83	1,776.0	NO	NO
142	Narrow-leaved box	45.0	8.1	27.30	Good	103.24	13.36	3.78	483.42	19.42	6,265.0	NO	NO
143	Narrow-leaved box	7.0	5.0	6.60	Excellent	17.72	2.29	2.68	6.41	1.48	137.0	NO	NO
144	Red gum eucalyptus	53.0	21.2	116.90	Good	343.02	47.48	2.93	775.96	25.66	8,694.0	NO	NO
145	Red gum eucalyptus	55.0	21.8	107.50	Good	281.90	39.02	2.62	844.41	27.07	9,363.0	NO	NO
146	Red gum eucalyptus	80.0	25.1	240.50	Good	783.35	108.42	3.26	2,090.91	46.11	19,418.0	NO	NO
147	Red gum eucalyptus	19.0	9.1	25.50	Good	61.25	8.48	2.4	64.80	4.61	1,110.0	NO	NO
148	Red gum eucalyptus	51.0	12.0	75.40	Good	118.63	16.42	1.57	666.62	18.49	8,050.0	NO	NO
149	Red gum eucalyptus	20.6	5.7	0.00	Dead	0.00	0.00	0	72.08	0.00	0.0	NO	NO
150	Red gum eucalyptus	123.2	29.5	333.30	Good	1,226.43	169.75	3.68	5,257.72	38.94	37,825.0	NO	NO
151	Red gum eucalyptus	31.0	24.5	32.20	Good	72.79	10.07	2.26	222.05	9.79	2,968.0	NO	NO
152	Red gum eucalyptus	124.6	21.5	330.10	Fair	1,063.55	147.20	3.22	5,177.54	37.14	33,068.0	NO	NO
153	Red gum eucalyptus	26.0	8.5	21.20	Good	18.75	2.60	0.88	129.78	7.08	2,085.0	NO	NO
154	Red gum eucalyptus	120.0	24.7	301.70	Good	1,417.48	196.19	4.7	5,023.36	80.64	36,621.0	NO	NO
155	White ironbark	105.0	11.7	124.70	Fair	340.10	44.03	2.73	3,760.72	106.51	26,469.0	NO	NO
156	Red gum eucalyptus	45.0	14.1	120.80	Good	524.84	72.64	4.35	523.88	35.75	6,265.0	NO	NO
157	Narrow-leaved box	134.0	17.0	336.50	Fair	1,288.26	166.77	3.83	5,443.28	44.49	35,944.0	NO	NO
158	Peppermint tree	44.0	6.6	44.20	Fair	181.80	13.61	4.12	454.17	33.58	5,170.0	NO	NO
159	Red gum eucalyptus	77.0	18.3	149.60	Good	728.71	100.86	4.87	1,862.84	76.79	17,958.0	NO	NO
160	Brown mallet	52.0	15.4	160.60	Good	503.02	65.12	3.13	729.60	43.93	8,369.0	NO	NO
161	Desert ash	41.0	9.7	89.90	Excellent	315.72	22.48	3.51	307.93	12.91	4,297.0	NO	NO
162	Vinegartree	28.0	9.0	40.70	Fair	200.17	14.99	4.92	160.27	18.12	2,089.0	NO	NO
163	White ironbark	40.0	16.0	70.90	Excellent	263.91	34.16	3.72	391.52	17.03	5,209.0	NO	NO
164	Red gum eucalyptus	89.0	20.4	176.70	Good	538.15	74.48	3.05	2,628.51	52.94	23,658.0	NO	NO
165	Prickly-leaved Paperbark	50.3	7.9	60.80	Excellent	313.77	23.49	5.16	634.97	40.80	6,460.0	NO	NO
166	Red gum eucalyptus	56.0	19.6	93.30	Excellent	452.66	62.65	4.85	881.53	49.41	10,218.0	NO	NO
167	Redflower gum	47.0	8.1	58.10	Fair	217.86	16.31	3.75	537.37	20.65	5,900.0	NO	NO
168	Desert ash	34.1	9.5	80.10	Excellent	269.74	19.20	3.37	203.36	10.21	2,975.0	NO	NO
169	Red gum eucalyptus	96.0	23.8	277.60	Good	1,279.98	177.16	4.61	3,222.00	106.18	26,807.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
170	Desert ash	33.0	11.4	91.60	Excellent	318.44	22.67	3.48	195.89	10.05	2,795.0	NO	NO
171	Sugargum	67.0	20.1	286.50	Good	923.25	119.51	3.22	1,363.86	35.47	13,899.0	NO	NO
172	Sugargum	94.0	25.1	514.70	Good	2,025.94	262.26	3.94	3,113.89	103.41	25,920.0	NO	NO
173	Red gum eucalyptus	77.0	19.5	147.40	Good	815.04	112.81	5.53	1,875.99	77.04	17,958.0	NO	NO
174	Peppermint tree	40.0	11.7	59.40	Good	328.56	24.60	5.53	378.21	30.06	4,948.0	NO	NO
175	Narrow-leaved box	7.0	6.2	5.70	Good	28.25	3.66	4.93	7.09	2.83	130.0	NO	NO
176	Spotted gum	3.0	4.3	2.50	Excellent	9.26	0.69	3.64	1.03	1.00	68.0	NO	NO
177	Coral gum	42.0	14.8	107.50	Good	447.04	57.87	4.16	444.58	32.59	5,456.0	NO	NO
178	Coral gum	36.1	18.6	136.80	Fair	214.16	27.72	1.56	312.47	14.96	3,482.0	NO	NO
179	Red gum eucalyptus	24.0	20.5	45.40	Good	152.85	21.16	3.37	125.40	8.67	1,776.0	NO	NO
180	Red gum eucalyptus	3.0	2.5	2.30	Good	6.44	0.89	2.84	1.06	0.96	64.0	NO	NO
181	Golden wattle	20.0	7.2	43.00	Fair	113.48	27.43	2.64	79.04	6.23	859.0	NO	NO
182	White ironbark	44.0	19.5	77.00	Good	421.91	54.62	5.48	504.71	35.40	5,989.0	NO	NO
183	Golden wattle	5.0	3.0	2.50	Good	5.06	1.22	1.99	2.86	0.71	52.0	NO	NO
184	Florida hopbush	14.4	4.7	15.20	Good	28.11	2.10	1.85	31.01	3.03	579.0	NO	NO
185	Florida hopbush	6.0	2.4	7.10	Excellent	14.04	1.05	1.99	4.02	0.90	89.0	NO	NO
186	Florida hopbush	5.8	3.0	2.00	Dying	3.16	0.24	1.57	3.51	0.12	11.0	NO	NO
187	Florida hopbush	7.7	4.8	8.60	Fair	16.99	1.27	1.99	7.32	1.30	150.0	NO	NO
188	Florida hopbush	8.8	4.6	13.90	Fair	23.70	1.77	1.71	10.01	1.54	192.0	NO	NO
189	Florida hopbush	10.5	3.6	14.50	Good	35.36	2.65	2.43	15.02	2.49	313.0	NO	NO
190	Florida hopbush	11.0	3.7	16.60	Fair	23.84	1.79	1.43	16.38	2.08	296.0	NO	NO
191	Florida hopbush	10.1	4.3	17.30	Fair	31.60	2.37	1.82	13.86	2.39	251.0	NO	NO
192	Florida hopbush	4.1	2.3	2.30	Good	4.20	0.31	1.85	1.60	0.55	57.0	NO	NO
193	Narrow-leaved box	23.0	10.7	25.50	Good	147.24	19.06	5.77	105.61	13.99	1,630.0	NO	NO
194	Native Apricot	7.8	4.3	2.00	Excellent	10.47	0.78	5.21	7.33	3.17	187.0	NO	NO
195	Spotted gum	6.0	6.8	2.80	Good	15.28	1.14	5.39	4.43	2.36	95.0	NO	NO
196	Golden wattle	12.0	6.8	11.90	Dying	70.58	17.06	5.91	26.99	0.80	52.0	NO	NO
197	Narrow-leaved box	4.0	3.3	2.50	Excellent	6.51	0.84	2.56	1.75	1.37	68.0	NO	NO
198	Narrow-leaved box	5.0	4.8	4.50	Excellent	24.98	3.23	5.52	3.78	1.83	70.0	NO	NO
199	Florida hopbush	6.4	2.3	11.90	Good	25.00	1.87	2.09	4.94	2.39	96.0	NO	NO
200	Red gum eucalyptus	121.1	19.5	475.30	Good	1,819.42	251.82	3.83	5,027.19	72.25	37,028.0	NO	NO
201	White ironbark	7.0	4.9	3.10	Excellent	11.12	1.44	3.54	6.06	1.48	137.0	NO	NO
202	Red gum eucalyptus	68.0	18.1	221.70	Good	728.41	100.82	3.29	1,392.63	64.46	14,317.0	NO	NO
203	Narrow-leaved box	5.0	5.4	3.10	Excellent	16.97	2.20	5.4	3.40	1.85	70.0	NO	NO
204	Narrow-leaved box	8.0	5.8	4.20	Good	14.19	1.84	3.42	8.37	1.78	189.0	NO	NO
205	Golden wattle	8.0	6.0	7.10	Excellent	41.89	10.12	5.93	11.71	3.34	195.0	NO	NO
206	Narrow-leaved box	3.0	3.7	2.00	Excellent	9.49	1.23	4.72	1.22	0.99	68.0	NO	NO
207	White ironbark	8.0	5.8	6.60	Excellent	25.71	3.33	3.89	8.97	1.78	199.0	NO	NO
208	Golden wattle	9.0	4.8	10.80	Excellent	38.34	9.27	3.57	13.61	2.06	238.0	NO	NO
209	Red gum eucalyptus	4.0	3.8	2.80	Excellent	11.90	1.65	4.2	2.10	1.38	68.0	NO	NO
210	Red gum eucalyptus	7.0	4.1	4.50	Excellent	16.18	2.24	3.58	6.29	2.75	137.0	NO	NO
211	White ironbark	17.0	6.9	18.10	Excellent	110.54	14.31	6.11	51.81	9.06	933.0	NO	NO
212	White ironbark	5.0	4.5	3.50	Excellent	12.63	1.63	3.65	3.12	0.95	70.0	NO	NO
213	White ironbark	20.0	7.1	11.30	Good	43.58	5.64	3.84	70.26	6.22	1,230.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
214	Golden wattle	8.0	2.6	7.10	Excellent	16.06	3.88	2.27	8.73	1.71	195.0	NO	NO
215	White ironbark	18.0	7.5	22.90	Excellent	56.13	7.27	2.45	56.05	5.40	1,047.0	NO	NO
216	Red gum eucalyptus	133.0	20.7	314.20	Good	1,282.09	177.45	4.08	5,487.98	48.02	41,301.0	NO	NO
217	White ironbark	3.0	3.0	2.30	Excellent	7.73	1.00	3.41	1.12	0.49	68.0	NO	NO
218	Golden wattle	5.8	4.4	7.10	Excellent	30.59	7.39	4.33	6.49	2.20	74.0	NO	NO
219	Golden wattle	6.0	3.8	5.30	Excellent	21.76	5.26	4.1	5.83	2.25	78.0	NO	NO
220	Golden wattle	10.0	6.6	19.60	Excellent	112.24	27.13	5.72	23.93	4.48	286.0	NO	NO
221	Narrow-leaved box	4.2	2.5	4.50	Excellent	11.48	1.49	2.54	2.18	0.57	68.0	NO	NO
222	Narrow-leaved box	90.0	16.2	206.10	Good	789.03	102.14	3.83	2,671.16	95.15	24,116.0	NO	NO
223	White ironbark	12.0	8.0	6.60	Excellent	40.92	5.30	6.19	22.61	5.76	460.0	NO	NO
224	Narrow-leaved box	4.0	3.6	1.80	Excellent	7.59	0.98	4.3	1.82	0.71	68.0	NO	NO
225	Coastal wattle	8.0	3.0	11.90	Excellent	36.31	8.78	3.04	10.75	3.21	194.0	NO	NO
226	Narrow-leaved box	10.0	6.3	9.60	Excellent	55.85	7.23	5.81	15.91	4.46	317.0	NO	NO
227	Golden wattle	8.0	4.4	8.60	Excellent	33.88	8.19	3.96	10.72	3.27	195.0	NO	NO
228	Golden wattle	6.4	4.7	7.10	Excellent	31.29	7.56	4.43	7.45	2.48	89.0	NO	NO
229	Red gum eucalyptus	18.0	7.7	11.30	Excellent	61.19	8.47	5.4	56.64	9.84	1,047.0	NO	NO
230	White ironbark	13.0	6.7	7.50	Excellent	28.52	3.69	3.78	25.81	3.44	542.0	NO	NO
231	Narrow-leaved box	5.0	4.7	4.90	Excellent	16.13	2.09	3.28	3.32	0.95	70.0	NO	NO
232	Narrow-leaved box	39.5	11.1	66.50	Excellent	253.30	32.79	3.81	368.37	16.36	5,068.0	NO	NO
233	Narrow-leaved box	92.0	24.0	277.60	Good	1,019.32	131.95	3.67	2,900.67	100.07	25,023.0	NO	NO
234	Narrow-leaved box	104.5	9.7	88.20	Fair	244.44	31.64	2.77	3,694.64	105.75	26,306.0	NO	NO
235	Narrow-leaved box	79.0	15.5	183.90	Good	635.40	82.25	3.46	1,950.25	78.99	18,934.0	NO	NO
236	Narrow-leaved box	21.0	9.2	49.00	Good	227.20	29.41	4.64	89.69	12.25	1,357.0	NO	NO
237	Narrow-leaved box	15.0	10.3	18.10	Good	91.38	11.83	5.05	40.33	7.88	688.0	NO	NO
238	Red gum eucalyptus	13.0	8.7	9.60	Excellent	17.79	2.46	1.85	25.94	2.74	542.0	NO	NO
239	Sugargum	67.0	23.1	251.70	Good	652.11	84.42	2.59	1,365.88	35.79	13,899.0	NO	NO
240	Sugargum	58.0	24.2	257.30	Good	755.26	97.77	2.94	989.15	29.37	10,413.0	NO	NO
241	Sugargum	74.0	25.5	232.40	Good	553.55	71.66	2.38	1,731.74	41.39	16,957.0	NO	NO
242	Red gum eucalyptus	75.0	15.5	115.00	Good	370.07	51.22	3.22	1,712.79	41.01	17,419.0	NO	NO
243	Narrow-leaved box	37.6	10.1	86.60	Fair	195.16	25.26	2.25	325.50	15.24	3,782.0	NO	NO
244	Narrow-leaved box	29.0	6.7	26.40	Good	59.28	7.67	2.24	167.80	10.40	2,597.0	NO	NO
245	Narrow-leaved box	3.0	2.8	4.50	Excellent	13.09	1.70	2.89	1.39	0.49	68.0	NO	NO
246	Red gum eucalyptus	9.0	8.7	11.30	Good	64.17	8.88	5.66	14.10	4.00	242.0	NO	NO
247	Drooping she-oak	5.0	4.2	3.10	Excellent	9.08	0.68	2.89	2.72	0.95	54.0	NO	NO
248	Drooping she-oak	33.0	15.1	54.10	Good	166.02	12.43	3.07	243.09	13.00	2,655.0	NO	NO
249	Lemonscented gum	50.0	20.0	320.50	Good	798.30	59.78	2.49	679.38	42.30	7,737.0	NO	NO
250	Red gum eucalyptus	7.0	7.6	10.80	Good	10.98	1.52	1.02	6.38	1.19	130.0	NO	NO
251	Red gum eucalyptus	25.0	14.5	25.50	Good	155.60	21.54	6.1	131.67	8.86	1,927.0	NO	NO
252	Red gum eucalyptus	30.0	18.7	40.70	Excellent	159.57	22.09	3.92	203.52	11.61	2,926.0	NO	NO
253	Red gum eucalyptus	16.0	13.5	18.10	Good	101.13	14.00	5.59	48.42	4.82	784.0	NO	NO
254	Red gum eucalyptus	7.0	5.9	5.70	Excellent	8.21	1.14	1.43	6.05	1.16	137.0	NO	NO
255	Red gum eucalyptus	5.0	6.7	2.80	Excellent	4.07	0.56	1.43	2.82	0.76	70.0	NO	NO
256	Red gum eucalyptus	13.0	8.6	15.90	Good	38.18	5.28	2.4	27.04	2.74	515.0	NO	NO
257	White ironbark	124.0	27.3	373.30	Fair	1,609.47	208.35	4.31	5,272.72	64.04	32,894.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
258	Weeping bottlebrush	33.3	6.0	44.20	Good	148.39	11.11	3.36	233.60	12.60	2,711.0	NO	NO
259	Weeping bottlebrush	31.5	5.5	49.00	Good	149.95	11.23	3.06	202.97	11.58	2,417.0	NO	NO
260	Peppermint tree	41.4	7.5	73.90	Good	234.23	17.54	3.17	396.73	17.22	5,301.0	NO	NO
261	Narrow-leaved box	25.0	10.2	52.80	Good	177.08	22.92	3.35	128.10	8.64	1,927.0	NO	NO
262	Sugargum	39.0	14.2	77.00	Good	374.28	48.45	4.86	371.43	29.34	4,703.0	NO	NO
263	River she-oak	14.0	8.0	15.90	Excellent	106.80	8.00	6.71	32.67	7.05	630.0	NO	NO
264	Narrow-leaved box	23.0	5.5	55.40	Good	188.70	24.43	3.4	103.26	13.53	1,630.0	NO	NO
265	Red gum eucalyptus	32.0	14.7	54.10	Good	249.97	34.60	4.62	234.64	22.42	3,164.0	NO	NO
266	White ironbark	13.0	8.7	22.10	Good	115.35	14.93	5.23	30.93	6.44	515.0	NO	NO
267	Red gum eucalyptus	49.0	15.0	103.90	Good	455.88	63.10	4.39	634.49	40.38	7,430.0	NO	NO
268	White ironbark	19.0	14.1	28.30	Good	83.79	10.85	2.96	68.70	6.09	1,110.0	NO	NO
269	Narrow-leaved box	22.0	14.1	55.40	Good	289.28	37.45	5.22	105.77	13.46	1,491.0	NO	NO
270	White ironbark	20.0	8.1	38.50	Good	153.35	19.85	3.98	76.62	6.27	1,230.0	NO	NO
271	Red gum eucalyptus	163.0	24.7	397.60	Good	1,760.61	243.68	4.43	5,982.00	13.21	50,397.0	NO	NO
272	Red gum eucalyptus	8.0	7.4	8.60	Excellent	28.98	4.01	3.39	9.46	1.82	199.0	NO	NO
273	Red gum eucalyptus	7.0	6.1	4.20	Excellent	14.97	2.07	3.6	6.44	1.50	137.0	NO	NO
274	Red gum eucalyptus	3.0	2.3	3.50	Excellent	7.84	1.08	2.26	1.13	0.36	68.0	NO	NO
275	Red gum eucalyptus	6.0	5.5	3.50	Excellent	12.30	1.70	3.55	4.55	1.22	100.0	NO	NO
276	Red gum eucalyptus	3.0	4.0	1.30	Excellent	5.03	0.70	3.79	1.02	0.50	68.0	NO	NO
277	Drooping melaleuca	52.7	11.8	95.00	Excellent	368.84	27.62	3.88	723.35	44.14	7,069.0	NO	NO
278	Desert ash	40.0	13.3	66.50	Good	140.66	10.01	2.12	307.60	13.00	3,887.0	NO	NO
279	Desert ash	69.0	20.9	196.10	Good	904.07	64.36	4.61	1,108.62	48.48	11,504.0	NO	NO
280	Stiffleaf cheesewood	4.0	4.0	3.10	Excellent	7.11	0.53	2.26	1.66	0.55	53.0	NO	NO
281	Stiffleaf cheesewood	3.0	3.3	4.20	Excellent	12.21	0.91	2.94	1.09	0.49	53.0	NO	NO
282	Stiffleaf cheesewood	4.2	3.3	2.00	Excellent	8.09	0.61	4.02	1.87	0.75	53.0	NO	NO
283	Stiffleaf cheesewood	5.7	3.6	6.60	Excellent	19.68	1.47	2.98	3.82	1.10	69.0	NO	NO
284	Stiffleaf cheesewood	6.0	2.0	0.00	Dead	0.00	0.00	0	3.57	0.00	0.0	NO	NO
285	peppertree spp	61.1	11.1	128.70	Good	204.55	15.32	1.59	1,019.28	30.25	11,547.0	NO	YES
286	Orange wattle	7.0	4.9	13.20	Excellent	26.23	6.34	1.99	8.02	1.15	100.0	NO	NO
287	Narrow-leaved box	35.0	13.2	113.10	Fair	328.13	42.48	2.9	287.45	13.98	3,268.0	NO	NO
288	European Olive	26.9	8.9	27.30	Good	119.29	8.93	4.36	143.99	9.50	2,467.0	NO	NO
289	European Olive	26.9	11.2	29.20	Good	17.74	1.33	0.61	142.82	7.53	2,457.0	NO	NO
290	Narrow-leaved box	20.0	16.2	29.20	Good	49.99	6.47	1.71	76.49	5.18	1,230.0	NO	NO
291	Narrow-leaved box	60.0	23.1	172.00	Good	761.77	98.61	4.43	1,064.22	54.99	11,145.0	NO	NO
292	European Olive	33.8	10.4	37.40	Fair	154.97	11.60	4.14	249.59	13.15	3,377.0	NO	NO
293	peppertree spp	70.0	19.9	188.70	Good	654.43	49.00	3.47	1,479.58	37.69	15,172.0	NO	YES
294	European Olive	39.6	10.0	54.10	Excellent	181.59	13.60	3.36	361.52	16.36	5,655.0	NO	NO
295	European Olive	40.0	10.6	72.40	Good	241.66	18.10	3.34	373.40	16.64	5,482.0	NO	NO
296	European Olive	62.9	13.3	149.60	Excellent	729.31	54.61	4.88	1,122.10	56.97	14,323.0	NO	NO
297	European Olive	45.2	14.0	120.80	Good	322.64	24.16	2.67	510.05	20.03	7,011.0	NO	NO
298	European Olive	42.6	8.8	38.50	Good	194.74	14.58	5.06	427.85	32.45	6,233.0	NO	NO
299	Orange cotoneaster	16.0	5.9	25.50	Fair	69.53	5.21	2.72	41.34	4.52	557.0	NO	NO
300	Drooping she-oak	18.0	13.1	9.10	Dying	7.41	0.55	0.82	56.41	1.47	111.0	NO	NO
301	Red gum eucalyptus	21.0	13.0	22.90	Good	116.10	16.07	5.07	87.05	6.92	1,357.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
302	Mugga ironbark	32.0	14.2	30.20	Poor	188.87	25.87	6.26	230.41	16.88	2,065.0	NO	NO
303	Sugargum	76.0	24.5	246.10	Good	854.31	110.59	3.47	1,852.27	76.69	17,886.0	NO	NO
304	gum spp	18.0	8.1	23.80	Good	93.28	12.07	3.93	58.30	5.43	995.0	NO	NO
305	Red gum eucalyptus	10.0	7.5	15.90	Good	58.37	8.08	3.67	16.49	4.52	301.0	NO	NO
306	Narrow-leaved box	26.0	21.5	39.60	Good	5.23	0.68	0.13	142.18	17.53	2,085.0	NO	NO
307	Drooping she-oak	5.0	4.1	0.00	Dead	0.00	0.00	0	2.44	0.00	0.0	NO	NO
308	Drooping she-oak	11.0	7.5	6.60	Excellent	24.14	1.81	3.65	17.31	2.77	340.0	NO	NO
309	Drooping she-oak	6.0	7.4	0.00	Dead	0.00	0.00	0	4.02	0.00	0.0	NO	NO
310	Drooping she-oak	7.0	7.4	5.30	Excellent	18.57	1.39	3.5	6.31	1.53	106.0	NO	NO
311	Drooping she-oak	6.0	5.4	3.80	Excellent	12.15	0.91	3.2	4.22	1.22	78.0	NO	NO
312	Drooping she-oak	5.0	8.8	0.00	Dead	0.00	0.00	0	2.72	0.00	0.0	NO	NO
313	Drooping she-oak	4.0	6.3	2.80	Excellent	6.81	0.51	2.4	1.74	0.57	53.0	NO	NO
314	Drooping she-oak	4.0	4.8	2.80	Excellent	7.20	0.54	2.54	1.69	0.56	53.0	NO	NO
315	Drooping she-oak	6.0	7.3	4.20	Excellent	10.55	0.79	2.54	4.33	0.97	78.0	NO	NO
316	Drooping she-oak	7.1	5.6	3.80	Excellent	14.18	1.06	3.73	6.12	1.51	109.0	NO	NO
317	Drooping she-oak	5.0	6.4	3.50	Excellent	10.80	0.81	3.12	2.91	0.98	54.0	NO	NO
318	Drooping she-oak	5.0	6.6	2.50	Excellent	7.36	0.55	2.89	2.81	0.99	54.0	NO	NO
319	Drooping she-oak	4.0	3.9	0.00	Dead	0.00	0.00	0	1.44	0.00	0.0	NO	NO
320	Drooping she-oak	4.0	6.2	3.50	Good	7.84	0.59	2.26	1.77	0.57	50.0	NO	NO
321	Drooping she-oak	4.0	5.5	4.20	Good	7.68	0.58	1.85	1.74	0.56	50.0	NO	NO
322	Drooping she-oak	5.0	8.1	3.10	Excellent	4.94	0.37	1.57	2.83	0.78	54.0	NO	NO
323	Drooping she-oak	7.0	8.5	5.70	Excellent	17.67	1.32	3.09	6.39	1.55	106.0	NO	NO
324	Drooping she-oak	7.0	5.6	9.10	Excellent	49.08	3.68	5.41	7.03	2.81	106.0	NO	NO
325	Drooping she-oak	7.0	4.3	6.20	Excellent	21.68	1.62	3.52	6.07	2.75	106.0	NO	NO
326	White ironbark	21.0	5.6	31.20	Fair	90.27	11.69	2.9	79.93	11.95	1,172.0	NO	NO
327	Drooping she-oak	3.0	3.0	3.10	Excellent	9.46	0.71	3.01	1.00	0.49	53.0	NO	NO
328	Drooping she-oak	6.0	4.0	6.60	Excellent	21.29	1.59	3.22	4.38	2.26	78.0	NO	NO
329	Drooping she-oak	6.0	2.0	8.00	Excellent	13.76	1.03	1.71	3.98	0.89	78.0	NO	NO
330	Drooping she-oak	5.0	2.4	8.60	Excellent	16.99	1.27	1.99	2.84	0.71	54.0	NO	NO
331	Drooping she-oak	5.0	8.5	2.80	Excellent	6.41	0.48	2.26	2.89	0.78	54.0	NO	NO
332	Drooping she-oak	5.0	7.6	5.30	Excellent	14.95	1.12	2.82	3.10	1.00	54.0	NO	NO
333	Drooping she-oak	7.0	6.0	7.50	Excellent	17.08	1.28	2.26	6.12	1.17	106.0	NO	NO
334	Drooping she-oak	25.5	9.5	38.50	Good	65.84	4.93	1.71	125.86	6.93	1,597.0	NO	NO
335	Drooping she-oak	16.0	5.8	0.00	Dead	0.00	0.00	0	39.40	0.00	0.0	NO	NO
336	Victorian box	5.0	7.0	9.60	Excellent	24.42	1.83	2.54	3.35	0.77	54.0	NO	NO
337	Monterey pine	6.0	6.8	1.80	Excellent	3.73	0.36	2.11	2.68	0.53	104.0	NO	NO
338	White ironbark	34.0	18.6	75.40	Fair	397.88	51.50	5.27	281.82	24.80	3,084.0	NO	NO
339	Drooping melaleuca	30.0	10.6	60.80	Good	291.76	21.85	4.8	192.82	20.10	2,200.0	NO	NO
340	Red gum eucalyptus	174.0	30.5	678.90	Good	2,346.17	324.73	3.46	6,082.88	14.00	53,137.0	NO	NO
341	Red gum eucalyptus	21.0	6.4	22.10	Good	62.33	8.63	2.83	79.31	12.02	1,357.0	NO	NO
342	Red gum eucalyptus	44.0	19.9	77.00	Good	349.17	48.33	4.54	503.21	35.46	5,989.0	NO	NO
343	Vinegartree	25.0	8.2	33.20	Good	181.37	13.58	5.47	122.38	15.44	1,927.0	NO	NO
344	Crimson bottlebrush	8.0	3.0	3.50	Good	12.10	0.91	3.49	7.60	3.21	185.0	NO	NO
345	Red gum eucalyptus	25.0	10.6	58.10	Good	213.83	29.60	3.68	131.16	15.66	1,927.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
346	Narrow-leaved box	147.0	9.0	126.70	Fair	340.88	44.13	2.69	5,444.20	20.69	39,569.0	NO	NO
347	Inland Red Box	66.0	19.2	201.10	Good	623.85	80.76	3.1	1,297.24	34.63	13,487.0	NO	NO
348	Vinegartree	21.0	8.5	45.40	Good	178.07	13.33	3.93	82.75	6.72	1,357.0	NO	NO
349	White ironbark	36.0	14.3	46.60	Fair	146.92	19.02	3.15	298.82	14.61	3,458.0	NO	NO
350	White ironbark	88.0	14.5	25.50	Critical	107.58	13.93	4.22	2,482.02	38.30	9,035.0	NO	NO
351	Red gum eucalyptus	80.0	19.3	89.90	Good	496.36	68.70	5.52	2,032.32	81.25	19,418.0	NO	NO
352	Red gum eucalyptus	79.0	24.3	240.50	Good	1,065.06	147.41	4.43	2,040.34	80.90	18,934.0	NO	NO
353	Inland Red Box	69.0	20.7	240.50	Good	1,065.06	137.87	4.43	1,470.35	66.30	14,742.0	NO	NO
354	Red gum eucalyptus	23.0	9.6	30.20	Excellent	193.75	26.82	6.42	107.79	13.90	1,716.0	NO	NO
355	peppertree spp	19.8	7.3	22.10	Excellent	124.80	9.34	5.66	70.66	11.20	1,276.0	NO	YES
356	White ironbark	72.0	19.4	330.10	Good	1,299.13	168.17	3.94	1,625.84	70.10	16,052.0	NO	NO
357	European Olive	36.7	10.6	51.50	Good	344.78	25.82	6.69	307.88	26.53	4,605.0	NO	NO
358	Kurrajong	49.0	10.2	59.40	Excellent	225.60	19.75	3.79	601.74	22.09	6,930.0	NO	NO
359	European Olive	51.6	9.4	81.70	Excellent	303.46	22.72	3.71	679.65	23.71	9,630.0	NO	NO
360	Desert ash	88.0	14.6	100.30	Good	298.78	21.27	2.98	1,795.05	35.32	18,080.0	NO	NO
361	European Olive	54.7	9.8	55.40	Excellent	257.83	19.31	4.65	778.22	25.73	10,793.0	NO	NO
362	River she-oak	70.0	23.0	124.70	Fair	644.15	48.23	5.17	1,497.25	68.10	13,096.0	NO	NO
363	Weeping bottlebrush	22.6	7.4	24.60	Excellent	118.10	8.84	4.8	95.07	13.40	1,331.0	NO	NO
364	Kurrajong	71.0	11.9	116.90	Excellent	446.76	39.10	3.82	1,476.91	67.22	14,536.0	NO	NO
365	peppertree spp	164.0	13.3	213.80	Fair	944.25	70.70	4.42	5,655.93	18.62	43,727.0	NO	YES
366	acacia spp	7.0	3.5	10.20	Excellent	22.49	5.44	2.21	5.33	1.45	106.0	NO	YES
367	Weeping bottlebrush	5.4	2.6	9.60	Excellent	21.77	1.63	2.26	3.45	0.78	63.0	NO	NO
368	Weeping bottlebrush	14.4	5.6	10.20	Excellent	29.38	2.20	2.89	31.57	3.93	560.0	NO	NO
369	Weeping bottlebrush	9.4	5.2	5.30	Excellent	18.21	1.36	3.43	11.69	2.20	258.0	NO	NO
370	Weeping bottlebrush	10.0	8.0	6.20	Good	33.26	2.49	5.4	14.35	4.54	272.0	NO	NO
371	Weeping bottlebrush	12.1	6.0	13.20	Good	46.51	3.48	3.52	21.66	3.10	383.0	NO	NO
372	Weeping bottlebrush	9.3	6.2	8.60	Good	19.35	1.45	2.26	11.46	1.70	238.0	NO	NO
373	Weeping bottlebrush	10.0	3.5	10.20	Good	21.95	1.64	2.16	13.25	2.35	274.0	NO	NO
374	Weeping bottlebrush	8.0	6.4	9.10	Good	38.13	2.85	4.2	8.86	3.36	185.0	NO	NO
375	Weeping bottlebrush	6.4	5.1	7.10	Good	26.19	1.96	3.71	5.25	2.49	85.0	NO	NO
376	Weeping bottlebrush	10.8	5.2	15.90	Good	48.86	3.66	3.07	16.72	2.63	311.0	NO	NO
377	Primrose tree	46.3	14.5	37.40	Excellent	170.36	12.76	4.56	536.56	37.28	5,476.0	NO	NO
378	Primrose tree	44.0	14.1	36.30	Excellent	190.16	14.24	5.24	474.69	34.66	4,943.0	NO	NO
379	Weeping bottlebrush	6.7	4.3	8.60	Good	20.39	1.53	2.38	5.51	1.39	93.0	NO	NO
380	Weeping bottlebrush	7.2	4.1	5.70	Good	15.30	1.15	2.67	6.25	1.52	107.0	NO	NO
381	Weeping bottlebrush	10.0	4.2	10.20	Good	22.76	1.70	2.24	13.42	2.37	274.0	NO	NO
382	Weeping bottlebrush	8.1	4.4	9.10	Good	25.12	1.88	2.77	8.47	1.79	190.0	NO	NO
383	Weeping bottlebrush	7.8	4.5	11.90	Good	37.35	2.80	3.13	8.16	1.70	178.0	NO	NO
384	Weeping bottlebrush	13.3	5.0	16.60	Good	47.86	3.58	2.88	26.56	3.50	458.0	NO	NO
385	Weeping bottlebrush	7.5	4.6	10.80	Good	29.66	2.22	2.76	7.40	1.63	118.0	NO	NO
386	Weeping bottlebrush	14.1	5.2	18.90	Good	78.36	5.87	4.16	31.14	6.92	508.0	NO	NO
387	Queensland pittosporum	14.0	5.3	13.20	Good	57.78	4.33	4.38	30.39	6.91	506.0	NO	NO
388	European Olive	32.0	14.7	80.10	Fair	264.01	19.77	3.3	228.71	12.44	3,018.0	NO	NO
389	European Olive	29.0	11.4	72.40	Fair	274.60	20.56	3.79	179.04	10.67	2,474.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
390	European Olive	28.0	10.8	56.70	Good	57.93	4.34	1.02	158.17	7.95	2,670.0	NO	NO
391	European Olive	41.8	7.3	134.80	Fair	137.60	10.30	1.02	401.82	13.68	5,160.0	NO	NO
392	European Olive	34.0	6.6	19.60	Critical	17.34	1.30	0.88	241.70	4.25	1,539.0	NO	NO
393	European Olive	3.6	4.0	4.90	Poor	6.37	0.48	1.3	1.33	0.36	47.0	NO	NO
394	European Olive	6.0	4.9	4.90	Good	11.11	0.83	2.26	4.15	0.94	106.0	NO	NO
395	European Olive	23.3	6.3	45.40	Good	77.60	5.81	1.71	99.95	6.01	1,847.0	NO	NO
396	European Olive	4.0	4.0	9.10	Good	13.03	0.98	1.43	1.84	0.55	71.0	NO	NO
397	European Olive	4.0	4.2	9.60	Good	13.80	1.03	1.43	1.87	0.55	71.0	NO	NO
398	European Olive	3.0	6.0	3.10	Excellent	6.67	0.50	2.12	0.99	0.40	75.0	NO	NO
399	European Olive	10.0	7.9	11.90	Good	42.33	3.17	3.54	14.76	2.47	319.0	NO	NO
400	European Olive	30.3	13.7	91.60	Fair	259.60	19.44	2.83	200.95	11.49	2,709.0	NO	NO
401	European Olive	68.9	15.1	145.30	Good	468.09	35.05	3.22	1,390.04	36.30	16,292.0	NO	NO
402	European Olive	5.0	6.0	9.10	Fair	17.24	1.29	1.9	3.07	0.98	64.0	NO	NO
403	European Olive	21.0	4.8	49.00	Dying	84.92	6.36	1.73	77.19	0.96	204.0	NO	NO
404	European Olive	28.3	12.6	66.50	Good	219.06	16.40	3.3	169.21	10.39	2,729.0	NO	NO
405	European Olive	18.6	12.3	33.20	Fair	143.55	10.75	4.33	64.53	5.85	1,003.0	NO	NO
406	European Olive	14.0	6.9	24.60	Good	42.13	3.15	1.71	30.34	2.98	646.0	NO	NO
407	European Olive	14.0	12.2	17.30	Good	63.85	4.78	3.68	32.84	3.99	646.0	NO	NO
408	Red gum eucalyptus	128.0	26.0	286.50	Good	1,245.22	172.35	4.35	5,408.12	59.82	39,554.0	NO	NO
409	European Olive	4.0	2.9	6.60	Excellent	10.59	0.79	1.6	1.72	0.69	75.0	NO	NO
410	European Olive	6.0	6.3	6.60	Excellent	22.57	1.69	3.42	4.61	1.24	112.0	NO	NO
411	European Olive	5.0	3.3	10.80	Excellent	16.97	1.27	1.58	2.90	0.93	78.0	NO	NO
412	European Olive	3.0	5.0	4.20	Excellent	10.95	0.82	2.64	1.09	0.51	75.0	NO	NO
413	European Olive	16.0	5.6	35.30	Excellent	135.66	10.16	3.85	43.37	8.26	897.0	NO	NO
414	European Olive	9.0	4.1	20.40	Excellent	46.22	3.46	2.26	11.17	1.59	263.0	NO	NO
415	European Olive	42.0	11.2	77.00	Fair	152.92	11.45	1.99	417.85	14.04	5,223.0	NO	NO
416	European Olive	30.8	8.6	34.20	Fair	67.97	5.09	1.99	195.25	8.97	2,795.0	NO	NO
417	European Olive	4.2	2.8	9.60	Excellent	20.44	1.53	2.12	2.21	0.57	75.0	NO	NO
418	European Olive	27.0	11.6	51.50	Good	207.14	15.51	4.02	150.57	9.68	2,481.0	NO	NO
419	European Olive	17.0	12.3	35.30	Good	74.90	5.61	2.12	51.00	4.05	966.0	NO	NO
420	European Olive	32.0	12.4	49.00	Good	238.89	17.89	4.87	224.55	12.30	3,496.0	NO	NO
421	European Olive	44.5	5.7	67.90	Good	185.04	13.86	2.72	463.43	18.90	6,780.0	NO	NO
422	European Olive	13.0	7.8	24.60	Good	89.70	6.72	3.64	27.37	3.48	553.0	NO	NO
423	European Olive	23.0	5.6	0.00	Dead	0.00	0.00	0	93.58	0.00	0.0	NO	NO
424	European Olive	13.8	7.8	21.20	Good	68.18	5.10	3.21	30.56	3.78	629.0	NO	NO
425	Drooping she-oak	3.0	6.0	4.90	Excellent	25.01	1.87	5.1	1.54	1.04	53.0	NO	NO
426	Desert ash	44.0	19.3	143.10	Good	477.60	34.00	3.34	409.13	15.45	4,696.0	NO	NO
427	Desert ash	43.0	16.8	126.70	Poor	321.20	22.87	2.54	377.52	11.14	2,928.0	NO	NO
428	European Olive	16.6	10.5	36.30	Good	57.12	4.28	1.57	46.69	3.86	914.0	NO	NO
429	European Olive	21.0	6.1	55.40	Good	94.80	7.10	1.71	78.48	5.18	1,489.0	NO	NO
430	European Olive	18.0	12.1	38.50	Fair	55.22	4.13	1.43	57.31	4.37	938.0	NO	NO
431	Desert ash	29.0	14.6	41.90	Good	96.06	6.84	2.3	155.81	7.01	2,058.0	NO	NO
432	European Olive	35.0	9.4	107.50	Good	228.42	17.10	2.12	271.09	10.79	4,195.0	NO	NO
433	European Olive	22.8	11.3	30.20	Excellent	145.40	10.89	4.82	101.31	7.68	1,861.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
434	Desert ash	9.9	6.9	15.20	Excellent	45.72	3.25	3.01	12.87	2.20	281.0	NO	NO
435	Desert ash	23.0	13.9	46.60	Excellent	166.83	11.88	3.58	93.53	6.72	1,375.0	NO	NO
436	Desert ash	13.0	5.2	26.40	Good	50.19	3.57	1.9	21.89	2.27	438.0	NO	NO
437	Desert ash	7.0	4.8	14.50	Good	19.92	1.42	1.37	5.59	1.08	101.0	NO	NO
438	Desert ash	9.0	3.3	15.20	Excellent	20.86	1.49	1.37	8.99	1.37	238.0	NO	NO
439	Desert ash	10.0	6.6	14.50	Good	19.92	1.42	1.37	13.01	1.72	272.0	NO	NO
440	Desert ash	9.0	7.0	15.90	Excellent	38.64	2.75	2.43	10.53	1.98	238.0	NO	NO
441	Desert ash	10.6	8.6	24.60	Excellent	83.73	5.96	3.4	15.87	2.49	319.0	NO	NO
442	Boxelder	15.6	7.2	45.40	Good	185.27	16.95	4.08	44.06	4.76	747.0	NO	NO
443	Creeping mirrorplant	5.0	3.9	4.90	Excellent	17.28	1.29	3.52	2.95	1.80	54.0	NO	NO
444	European Olive	10.0	6.0	23.80	Excellent	50.48	3.78	2.12	14.47	1.87	332.0	NO	NO
445	European Olive	3.0	3.1	10.20	Excellent	16.01	1.20	1.57	1.20	0.37	75.0	NO	NO
446	Red gum eucalyptus	84.0	18.3	0.00	Dead	0.00	0.00	0	2,245.37	0.00	0.0	NO	NO
447	European Olive	38.6	6.7	54.10	Excellent	275.07	20.60	5.08	336.03	27.97	5,372.0	NO	NO
448	Narrow-leaved box	35.0	8.7	0.00	Dead	0.00	0.00	0	262.46	0.00	0.0	NO	NO
449	European Olive	9.3	6.9	15.20	Good	34.40	2.58	2.26	12.04	1.71	267.0	NO	NO
450	European Olive	35.1	9.4	52.80	Excellent	193.12	14.46	3.66	271.06	13.77	4,430.0	NO	NO
451	Narrow-leaved box	27.0	10.6	52.80	Good	259.78	33.63	4.92	156.94	17.41	2,253.0	NO	NO
452	European Olive	10.8	6.2	30.20	Good	68.31	5.11	2.26	17.53	2.07	370.0	NO	NO
453	Red gum eucalyptus	67.0	19.1	116.90	Good	536.80	74.30	4.59	1,340.37	63.33	13,899.0	NO	NO
454	European Olive	4.0	5.0	7.50	Good	13.95	1.04	1.85	1.90	0.56	71.0	NO	NO
455	European Olive	21.0	7.9	37.40	Good	63.97	4.79	1.71	78.89	5.24	1,489.0	NO	NO
456	European Olive	17.0	6.9	26.40	Good	45.20	3.38	1.71	47.44	3.89	966.0	NO	NO
457	European Olive	10.0	4.3	11.90	Good	18.79	1.41	1.57	13.17	1.84	315.0	NO	NO
458	European Olive	14.0	7.6	18.10	Good	38.45	2.88	2.12	30.48	3.00	646.0	NO	NO
459	European Olive	24.2	8.4	55.40	Good	110.09	8.24	1.99	111.79	6.41	1,988.0	NO	NO
460	European Olive	40.0	3.7	3.10	Excellent	7.54	0.56	2.4	349.76	12.65	5,767.0	NO	NO
461	European Olive	7.2	6.3	32.20	Poor	32.84	2.46	1.02	7.02	0.91	100.0	NO	NO
462	European Olive	53.2	13.4	128.70	Good	538.14	40.29	4.18	750.10	44.97	9,696.0	NO	NO
463	European Olive	37.5	6.7	52.80	Fair	163.32	12.23	3.09	309.80	14.90	4,147.0	NO	NO
464	European Olive	15.3	6.7	27.30	Good	54.31	4.07	1.99	37.41	3.36	777.0	NO	NO
465	European Olive	18.0	7.0	47.80	Fair	108.11	8.10	2.26	56.10	4.21	938.0	NO	NO
466	European Olive	3.0	3.8	4.90	Excellent	11.11	0.83	2.26	1.07	0.38	75.0	NO	NO
467	European Olive	22.0	3.9	15.90	Excellent	56.28	4.21	3.54	84.38	12.58	1,723.0	NO	NO
468	European Olive	32.7	11.9	75.40	Good	280.35	20.99	3.72	236.42	12.64	3,651.0	NO	NO
469	European Olive	35.5	13.7	120.80	Good	394.97	29.57	3.27	292.93	25.75	4,315.0	NO	NO
470	European Olive	30.4	13.9	73.90	Good	257.61	19.29	3.49	202.41	11.55	3,155.0	NO	NO
471	European Olive	30.7	7.7	72.40	Good	137.62	10.30	1.9	195.06	11.34	3,224.0	NO	NO
472	European Olive	17.0	5.8	28.30	Good	61.47	4.60	2.17	47.36	4.93	966.0	NO	NO
473	European Olive	19.0	8.4	62.20	Good	115.01	8.61	1.85	64.43	4.58	1,214.0	NO	NO
474	European Olive	20.0	11.8	29.20	Good	138.74	10.39	4.75	75.48	6.44	1,352.0	NO	NO
475	European Olive	45.0	13.0	84.90	Poor	289.18	21.65	3.4	499.90	15.01	4,526.0	NO	NO
476	European Olive	28.9	8.0	73.90	Good	146.81	10.99	1.99	169.90	8.19	2,852.0	NO	NO
477	European Olive	32.6	9.0	44.20	Poor	141.12	10.57	3.19	225.92	9.38	2,367.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
478	European Olive	5.7	4.8	3.80	Excellent	19.23	1.44	5.06	3.89	2.13	99.0	NO	NO
479	European Olive	32.2	7.2	41.90	Dying	121.77	9.12	2.91	216.52	1.79	485.0	NO	NO
480	European Olive	44.8	9.1	62.20	Good	262.58	19.66	4.22	484.53	34.85	6,890.0	NO	NO
481	European Olive	35.8	6.0	75.40	Good	259.15	19.40	3.44	279.97	25.09	4,388.0	NO	NO
482	European Olive	3.0	4.5	9.60	Excellent	5.84	0.44	0.61	0.93	0.39	75.0	NO	NO
483	European Olive	8.0	4.9	18.10	Excellent	15.98	1.20	0.88	7.99	1.37	202.0	NO	NO
484	European Olive	42.6	11.1	27.30	Good	165.99	12.43	6.07	431.18	18.20	6,212.0	NO	NO
485	European Olive	22.4	12.6	41.90	Good	155.46	11.64	3.71	97.82	7.52	1,692.0	NO	NO
486	European Olive	20.0	17.3	39.60	Good	145.71	10.91	3.68	78.96	6.66	1,348.0	NO	NO
487	European Olive	24.0	6.1	22.10	Good	60.37	4.52	2.74	105.92	7.96	1,954.0	NO	NO
488	European Olive	18.8	3.0	24.60	Fair	52.33	3.92	2.12	57.56	4.33	1,024.0	NO	NO
489	European Olive	25.7	11.8	69.40	Good	330.37	24.74	4.76	138.64	9.06	2,247.0	NO	NO
490	European Olive	3.0	4.8	3.50	Excellent	7.36	0.55	2.12	0.98	0.39	75.0	NO	NO
491	European Olive	4.0	4.6	5.30	Excellent	16.41	1.23	3.09	1.96	0.72	75.0	NO	NO
492	European Olive	36.1	9.5	81.70	Good	296.93	22.23	3.63	293.30	14.34	4,460.0	NO	NO
493	European Olive	31.0	6.2	63.60	Good	165.71	12.41	2.6	197.53	11.38	3,279.0	NO	NO
494	European Olive	21.0	7.4	33.20	Dying	87.77	6.57	2.65	79.24	0.98	204.0	NO	NO
495	European Olive	5.0	4.6	4.20	Excellent	9.40	0.70	2.26	2.76	0.74	78.0	NO	NO
496	European Olive	23.5	7.0	40.70	Good	164.44	12.31	4.04	104.48	7.76	1,868.0	NO	NO
497	Narrow-leaved box	23.0	4.7	0.00	Dead	0.00	0.00	0	92.77	0.00	0.0	NO	NO
498	European Olive	67.1	10.7	134.80	Good	323.45	24.22	2.4	1,278.08	34.52	15,469.0	NO	NO
499	European Olive	16.7	7.1	22.10	Good	140.25	10.50	6.36	48.31	8.84	928.0	NO	NO
500	European Olive	127.0	16.9	19.60	Dying	16.02	1.20	0.82	5,142.94	13.05	5,957.0	NO	NO
501	Weeping bottlebrush	27.1	10.8	43.00	Excellent	340.62	25.50	7.92	155.32	17.53	1,900.0	NO	NO
502	Weeping bottlebrush	12.0	9.7	10.20	Excellent	42.21	3.16	4.15	22.38	3.20	401.0	NO	NO
503	Weeping bottlebrush	14.9	10.3	11.30	Excellent	52.10	3.90	4.59	36.42	4.26	593.0	NO	NO
504	Weeping bottlebrush	18.8	11.3	15.90	Good	38.18	2.86	2.4	62.64	4.63	887.0	NO	NO
505	Red gum eucalyptus	142.0	23.5	277.60	Fair	1,160.89	160.68	4.18	5,745.95	34.63	38,221.0	NO	NO
506	Red gum eucalyptus	82.0	25.1	183.90	Fair	847.75	117.34	4.61	2,218.63	85.40	17,590.0	NO	NO
507	Spotted gum	3.0	3.2	2.30	Excellent	10.61	0.79	4.68	1.04	0.98	68.0	NO	NO
508	Lemonscented gum	53.0	23.7	100.30	Good	447.88	33.54	4.47	779.12	46.43	8,694.0	NO	NO
509	White ironbark	3.0	2.7	4.20	Fair	10.12	1.31	2.44	1.23	0.97	55.0	NO	NO
510	White ironbark	114.0	15.1	98.50	Good	263.94	34.17	2.68	4,446.06	89.31	34,310.0	NO	NO
511	Silk oak	37.0	15.1	49.00	Fair	195.29	23.74	3.98	321.83	15.23	3,653.0	NO	NO
512	Red gum eucalyptus	41.0	14.3	73.90	Good	345.40	47.81	4.67	415.92	31.46	5,199.0	NO	NO
513	White ironbark	65.0	17.5	277.60	Good	1,184.76	153.37	4.27	1,272.25	60.41	13,081.0	NO	NO
514	European Olive	65.0	17.5	277.60	Good	1,184.76	88.71	4.27	1,246.39	60.41	14,515.0	NO	NO
515	European Olive	65.0	17.5	277.60	Good	1,184.76	88.71	4.27	1,246.39	60.41	14,515.0	NO	NO
516	Red gum eucalyptus	6.0	17.5	277.60	Good	1,184.76	163.98	4.27	70.37	2.70	95.0	NO	NO
517	Red gum eucalyptus	16.0	17.5	277.60	Good	1,184.76	163.98	4.27	110.10	9.04	784.0	NO	NO
518	Red gum eucalyptus	16.0	17.5	277.60	Good	1,184.76	163.98	4.27	110.10	9.04	784.0	NO	NO
519	Red gum eucalyptus	29.0	16.2	66.50	Good	332.51	46.02	5	195.17	19.76	2,597.0	NO	NO
520	Red gum eucalyptus	11.0	6.0	11.90	Good	28.68	3.97	2.4	17.82	2.13	366.0	NO	NO
521	Red gum eucalyptus	12.0	9.0	8.00	Fair	30.94	4.28	3.85	22.47	3.16	377.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
522	Red gum eucalyptus	4.0	3.8	4.50	Excellent	11.11	1.54	2.46	2.05	0.71	68.0	NO	NO
523	Red gum eucalyptus	11.0	10.5	8.60	Good	52.01	7.20	6.08	20.15	5.27	366.0	NO	NO
524	Florida hopbush	3.0	3.7	2.50	Good	5.41	0.40	2.12	0.89	0.38	57.0	NO	NO
525	Native Apricot	3.0	2.2	2.30	Excellent	4.20	0.31	1.85	0.82	0.36	53.0	NO	NO
526	White ironbark	15.0	8.2	18.10	Excellent	54.83	7.10	3.03	37.60	4.24	724.0	NO	NO
527	Red gum eucalyptus	27.8	14.6	46.60	Good	247.13	34.20	5.31	171.91	18.50	2,386.0	NO	NO
528	River she-oak	6.4	3.3	4.50	Excellent	10.24	0.77	2.26	4.60	0.99	114.0	NO	NO
529	European Olive	5.8	4.5	4.20	Excellent	17.14	1.28	4.12	4.05	1.16	105.0	NO	NO
530	Red gum eucalyptus	83.6	22.2	227.00	Fair	851.63	117.87	3.75	2,298.32	87.09	18,247.0	NO	NO
531	Golden wattle	5.0	3.2	0.00	Dead	0.00	0.00	0	2.39	0.00	0.0	NO	NO
532	Paradox acacia	3.0	4.2	12.60	Excellent	28.43	6.87	2.26	3.49	0.38	49.0	NO	NO
533	Florida hopbush	3.0	1.8	13.20	Excellent	18.94	1.42	1.43	1.25	0.36	60.0	NO	NO
534	Red gum eucalyptus	20.0	9.1	26.40	Good	90.71	12.55	3.43	74.37	11.46	1,230.0	NO	NO
535	Florida hopbush	6.4	2.5	10.20	Good	13.20	0.99	1.3	4.61	2.39	96.0	NO	NO
536	Golden wattle	9.2	6.6	7.10	Good	22.31	5.39	3.16	12.96	2.17	236.0	NO	NO
537	acacia spp	5.7	5.6	11.90	Good	37.83	9.14	3.17	3.38	1.13	66.0	NO	YES
538	Wallangara Wattle	5.0	8.1	17.30	Good	67.23	16.25	3.87	9.18	1.93	48.0	NO	NO
539	Red gum eucalyptus	7.0	7.1	6.20	Good	17.61	2.44	2.86	6.70	1.52	130.0	NO	NO
540	Florida hopbush	5.0	3.2	11.30	Excellent	21.46	1.61	1.89	3.03	0.93	62.0	NO	NO
541	Golden wattle	6.0	3.7	2.50	Poor	2.95	0.71	1.16	4.00	0.69	48.0	NO	NO
542	Florida hopbush	11.7	8.0	34.20	Good	77.41	5.80	2.26	21.81	2.38	390.0	NO	NO
543	Wallangara Wattle	7.1	6.1	20.40	Good	49.04	11.85	2.4	10.49	1.18	97.0	NO	NO
544	Desert ash	3.0	4.6	4.20	Excellent	13.70	0.98	3.3	0.92	0.55	53.0	NO	NO
545	Red gum eucalyptus	218.0	33.0	257.30	Fair	1,343.13	185.90	5.22	6,074.36	10.00	52,562.0	NO	NO
546	Red gum eucalyptus	16.0	6.7	9.10	Excellent	23.61	3.27	2.6	41.12	4.57	826.0	NO	NO
547	Red gum eucalyptus	42.0	14.2	89.90	Good	362.56	50.18	4.03	440.07	32.51	5,456.0	NO	NO
548	White ironbark	17.0	11.4	28.30	Good	171.24	22.17	6.06	57.19	9.37	886.0	NO	NO
549	White ironbark	4.0	2.7	2.50	Excellent	5.38	0.70	2.12	1.67	1.35	68.0	NO	NO
550	Desert ash	23.6	9.2	77.00	Good	186.83	13.30	2.43	89.99	5.07	1,371.0	NO	NO
551	Desert ash	196.0	30.1	535.00	Good	2,193.59	156.17	4.1	5,986.70	19.97	44,881.0	NO	NO
552	Desert ash	9.0	5.8	10.80	Excellent	19.01	1.35	1.77	10.05	1.49	238.0	NO	NO
553	Florida hopbush	6.4	4.2	5.70	Good	16.31	1.22	2.85	4.87	1.30	96.0	NO	NO
554	Red gum eucalyptus	200.0	36.6	502.70	Fair	2,449.28	339.00	4.87	6,135.60	10.00	50,357.0	NO	NO
555	White ironbark	12.0	8.1	11.30	Good	44.08	5.71	3.89	22.80	5.76	437.0	NO	NO
556	Sugargum	25.0	15.4	60.80	Good	390.38	50.53	6.42	144.11	16.10	1,927.0	NO	NO
557	White ironbark	12.0	7.3	13.20	Good	54.46	7.05	4.13	23.12	5.72	437.0	NO	NO
558	Narrow-leaved box	9.0	4.6	16.60	Good	35.48	4.59	2.13	11.71	3.82	242.0	NO	NO
559	Narrow-leaved box	9.0	5.6	13.20	Good	51.31	6.64	3.89	12.70	3.86	242.0	NO	NO
560	Red gum eucalyptus	49.0	14.8	66.50	Good	277.60	38.42	4.18	623.99	40.35	7,430.0	NO	NO
561	Desert ash	28.0	12.9	44.20	Good	96.44	6.87	2.18	140.39	15.12	1,920.0	NO	NO
562	Desert ash	15.0	6.5	21.20	Excellent	40.12	2.86	1.89	31.25	3.56	603.0	NO	NO
563	Desert ash	16.0	5.7	26.40	Good	51.14	3.64	1.94	35.14	3.78	648.0	NO	NO
564	Desert ash	18.0	10.5	22.10	Good	55.78	3.97	2.53	51.54	4.78	812.0	NO	NO
565	Desert ash	28.3	10.8	16.60	Fair	52.83	3.76	3.18	138.28	8.26	1,691.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
566	Desert ash	59.0	18.9	149.60	Good	472.95	33.67	3.16	771.47	39.45	8,419.0	NO	NO
567	Desert ash	22.0	5.2	8.00	Fair	22.11	1.57	2.75	70.25	5.55	1,034.0	NO	NO
568	Desert ash	5.0	1.5	0.00	Dead	0.00	0.00	0	2.17	0.00	0.0	NO	NO
569	Desert ash	48.0	17.5	111.20	Fair	479.58	34.14	4.31	483.89	30.33	4,819.0	NO	NO
570	Dutch elm	3.0	1.7	5.70	Excellent	11.26	0.77	1.97	0.62	0.43	73.0	NO	NO
571	Desert ash	8.0	6.5	4.90	Excellent	7.49	0.53	1.53	8.03	1.70	195.0	NO	NO
572	Dutch elm	14.0	6.6	25.50	Excellent	55.57	3.79	2.18	24.94	2.57	663.0	NO	NO
573	Spotted gum	4.0	4.3	2.30	Excellent	12.34	0.92	5.44	1.83	1.39	68.0	NO	NO
574	Weeping bottlebrush	4.0	2.5	2.50	Dying	1.54	0.12	0.61	1.43	0.07	7.0	NO	NO
575	Weeping bottlebrush	9.9	6.4	20.40	Good	64.70	4.84	3.17	14.67	2.38	267.0	NO	NO
576	Desert ash	3.0	3.6	2.00	Excellent	3.02	0.22	1.5	0.85	0.39	53.0	NO	NO
577	European Olive	4.2	2.8	4.90	Excellent	10.41	0.78	2.12	1.91	0.75	75.0	NO	NO
578	Weeping bottlebrush	5.0	4.4	0.00	Dead	0.00	0.00	0	2.46	0.00	0.0	NO	NO
579	California privet	9.8	5.2	7.10	Excellent	19.50	1.77	2.76	13.05	1.82	292.0	NO	NO
580	Weeping bottlebrush	14.0	6.2	11.90	Good	20.44	1.53	1.71	29.26	2.95	501.0	NO	NO
581	European Olive	7.0	9.5	4.20	Excellent	14.06	1.05	3.38	6.39	1.57	152.0	NO	NO
582	California privet	10.7	6.7	10.20	Excellent	46.69	4.24	4.59	16.98	2.64	341.0	NO	NO
583	Weeping bottlebrush	7.8	4.1	11.90	Excellent	32.74	2.45	2.74	7.97	1.69	187.0	NO	NO
584	Weeping bottlebrush	8.5	3.7	11.30	Excellent	30.45	2.28	2.69	9.50	1.89	218.0	NO	NO
585	Orange wattle	42.0	9.6	96.80	Excellent	401.94	97.15	4.15	447.60	31.88	4,232.0	NO	NO
586	melaleuca spp	3.0	1.8	4.50	Excellent	7.74	0.58	1.71	0.91	0.36	53.0	NO	NO
587	melaleuca spp	4.2	3.0	3.10	Excellent	6.67	0.50	2.12	1.81	0.58	53.0	NO	NO
588	Orange wattle	37.0	10.7	89.90	Good	400.42	96.78	4.45	342.55	26.86	3,129.0	NO	NO
589	Orange wattle	37.0	10.0	81.70	Fair	367.16	88.74	4.49	338.21	26.78	2,703.0	NO	NO
590	melaleuca spp	4.2	3.7	3.10	Good	4.94	0.37	1.57	1.79	0.59	50.0	NO	NO
591	Florida hopbush	19.8	7.3	38.50	Good	126.26	9.45	3.28	70.10	6.14	1,082.0	NO	NO
592	Pine-leaved Bottlebrush	19.6	4.5	35.30	Excellent	94.65	7.09	2.68	65.66	5.92	1,004.0	NO	NO
593	Red gum eucalyptus	16.0	11.1	18.90	Good	172.92	23.93	9.17	51.36	8.63	784.0	NO	NO
594	Red gum eucalyptus	4.0	3.6	4.50	Excellent	11.29	1.56	2.5	2.05	0.71	68.0	NO	NO
595	Red gum eucalyptus	30.0	9.4	80.10	Good	393.65	54.48	4.91	204.24	19.97	2,779.0	NO	NO
596	Red gum eucalyptus	105.0	20.1	224.30	Good	1,053.85	145.86	4.7	3,907.51	108.77	30,674.0	NO	NO
597	Red gum eucalyptus	113.0	23.1	183.90	Good	806.94	111.69	4.39	4,520.10	96.89	33,916.0	NO	NO
598	White ironbark	15.0	10.0	15.20	Fair	40.31	5.22	2.65	37.57	4.30	594.0	NO	NO
599	White ironbark	26.0	16.8	46.60	Good	110.89	14.36	2.38	143.03	9.46	2,085.0	NO	NO
600	White ironbark	43.0	21.4	149.60	Good	662.30	85.74	4.43	496.17	34.56	5,720.0	NO	NO
601	Tawhiwhi	23.0	8.6	24.60	Excellent	200.41	15.01	8.14	102.00	13.79	1,372.0	NO	NO
602	Narrow-leaved box	43.0	15.8	132.70	Good	572.34	74.09	4.31	477.85	33.80	5,720.0	NO	NO
603	Narrow-leaved box	19.0	7.8	66.50	Fair	95.38	12.35	1.43	65.55	4.56	958.0	NO	NO
604	Narrow-leaved box	77.0	14.8	107.50	Fair	244.10	31.60	2.27	1,810.41	76.03	15,500.0	NO	NO
605	Red gum eucalyptus	13.0	7.7	16.60	Good	56.87	7.87	3.42	27.80	3.48	515.0	NO	NO
606	Narrow-leaved box	36.4	11.6	73.90	Good	306.67	39.70	4.15	309.79	26.37	4,096.0	NO	NO
607	Red gum eucalyptus	72.8	19.5	208.70	Good	741.00	102.56	3.55	1,639.85	71.16	16,393.0	NO	NO
608	Red gum eucalyptus	111.0	25.4	286.50	Fair	1,169.30	161.84	4.08	4,430.91	96.26	28,587.0	NO	NO
609	White ironbark	97.0	12.9	34.20	Fair	201.60	26.10	5.89	3,124.77	104.95	23,518.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
610	Red gum eucalyptus	45.0	13.6	46.60	Good	252.46	34.94	5.42	507.44	19.87	6,265.0	NO	NO
611	Narrow-leaved box	55.0	14.1	0.00	Dead	0.00	0.00	0	799.40	0.00	0.0	NO	NO
612	Red gum eucalyptus	15.0	7.6	17.30	Good	83.90	11.61	4.84	39.17	7.70	688.0	NO	NO
613	Red gum eucalyptus	6.0	5.7	2.80	Good	12.13	1.68	4.28	4.56	2.32	95.0	NO	NO
614	Red gum eucalyptus	31.0	13.1	41.90	Fair	190.92	26.42	4.56	213.15	21.30	2,562.0	NO	NO
615	Narrow-leaved box	90.0	21.0	143.10	Poor	628.24	81.33	4.39	2,707.31	73.01	15,739.0	NO	NO
616	Narrow-leaved box	49.0	15.0	52.80	Good	117.24	15.18	2.22	615.32	40.38	7,430.0	NO	NO
617	Narrow-leaved box	75.0	22.0	102.10	Good	261.50	33.85	2.56	1,749.12	74.77	17,419.0	NO	NO
618	Native Apricot	4.2	3.3	1.50	Excellent	3.48	0.26	2.26	1.73	0.58	53.0	NO	NO
619	Narrow-leaved box	9.0	7.7	11.30	Good	49.93	6.46	4.4	12.97	3.96	242.0	NO	NO
620	Red gum eucalyptus	70.0	23.3	179.10	Good	799.77	110.69	4.47	1,523.96	68.16	15,172.0	NO	NO
621	Narrow-leaved box	43.0	18.8	113.10	Poor	281.40	36.43	2.49	470.15	14.43	3,733.0	NO	NO
622	Silk oak	27.0	15.0	55.40	Good	201.29	24.47	3.63	157.87	9.87	2,250.0	NO	NO
623	Red gum eucalyptus	34.0	14.4	40.70	Good	92.12	12.75	2.26	259.52	10.60	3,573.0	NO	NO
624	Red gum eucalyptus	59.0	21.7	111.20	Good	330.08	45.69	2.97	997.03	29.84	10,776.0	NO	NO
625	Narrow-leaved box	58.0	20.2	111.20	Good	381.18	49.34	3.43	953.32	29.00	10,413.0	NO	NO
626	Narrow-leaved box	16.0	4.5	0.00	Dead	0.00	0.00	0	38.78	0.00	0.0	NO	NO
627	Narrow-leaved box	61.0	17.6	167.40	Good	360.67	46.69	2.15	1,059.47	30.86	11,520.0	NO	NO
628	White ironbark	113.0	21.0	0.00	Dead	0.00	0.00	0	4,446.50	1.84	0.0	NO	NO
629	White ironbark	52.0	20.6	138.90	Good	676.86	87.62	4.87	756.53	44.75	8,369.0	NO	NO
630	Silk oak	44.0	21.6	86.60	Good	433.12	52.66	5	509.22	35.69	5,989.0	NO	NO
631	Narrow-leaved box	42.0	17.0	138.90	Good	302.34	39.14	2.18	442.31	18.30	5,456.0	NO	NO
632	Narrow-leaved box	67.0	24.7	188.70	Good	720.62	93.28	3.82	1,377.91	64.39	13,899.0	NO	NO
633	White ironbark	14.0	8.4	28.30	Excellent	138.05	17.87	4.88	36.76	7.08	630.0	NO	NO
634	Spotted gum	45.0	25.0	80.10	Excellent	397.31	29.75	4.96	535.48	37.27	6,595.0	NO	NO
635	Coral gum	18.0	8.5	31.20	Good	101.14	13.09	3.24	58.93	5.44	995.0	NO	NO
636	White ironbark	17.3	5.1	23.80	Excellent	57.03	7.38	2.4	50.17	3.93	969.0	NO	NO
637	Sugargum	65.0	18.3	219.00	Good	603.74	78.15	2.76	1,246.29	33.81	13,081.0	NO	NO
638	Coral gum	17.0	7.4	24.60	Good	52.33	6.77	2.12	49.05	3.91	886.0	NO	NO
639	Drooping melaleuca	35.4	9.2	49.00	Good	176.43	13.21	3.6	276.13	13.93	3,053.0	NO	NO
640	Drooping melaleuca	40.0	10.1	41.90	Fair	182.62	13.67	4.36	370.22	16.60	3,355.0	NO	NO
641	Wallangara Wattle	10.6	5.0	38.50	Fair	97.69	23.61	2.54	24.19	2.01	255.0	NO	NO
642	Red gum eucalyptus	129.0	27.9	463.80	Good	1,625.86	225.03	3.51	5,502.82	33.95	39,909.0	NO	NO
643	Red gum eucalyptus	93.0	23.5	206.10	Fair	749.50	103.74	3.64	2,959.19	56.76	21,987.0	NO	NO
644	Red gum eucalyptus	38.0	21.8	52.80	Good	97.63	13.51	1.85	351.26	12.77	4,465.0	NO	NO
645	White ironbark	56.0	23.7	120.80	Good	418.84	54.22	3.47	894.02	27.93	9,707.0	NO	NO
646	White ironbark	54.0	24.4	134.80	Good	550.86	71.31	4.09	831.37	47.75	9,025.0	NO	NO
647	Lemonscented gum	16.0	14.4	13.90	Good	46.17	3.46	3.33	44.58	4.85	784.0	NO	NO
648	Desert ash	38.4	9.9	72.40	Good	264.91	18.86	3.66	267.76	11.93	3,593.0	NO	NO
649	Jacaranda	17.0	8.9	32.20	Excellent	126.02	9.44	3.92	47.10	5.05	933.0	NO	YES
650	Jacaranda	19.4	8.2	46.60	Good	158.48	11.87	3.4	64.07	6.02	1,159.0	NO	YES
651	White ironbark	89.0	26.1	219.00	Fair	821.84	106.39	3.75	2,691.95	96.01	20,420.0	NO	NO
652	Red gum eucalyptus	50.0	12.1	0.00	Dead	0.00	0.00	0	629.78	0.00	0.0	NO	NO
653	Red gum eucalyptus	158.0	28.6	333.30	Good	1,462.82	202.47	4.39	5,980.77	13.45	49,047.0	NO	NO

Tree ID	Species Name	DBH (cm)	Height (m)	Ground Area (m2)	Tree Condition	Leaf Area (m2)	Leaf Biomass (kg)	Leaf Area Index	Carbon Storage (kg)	Gross Carbon Seq (kg/yr)	Structural Tree Value (A\$)	Street Tree	Native To State
654	Desert ash	58.0	15.1	130.70	Fair	579.91	41.29	4.44	713.28	37.52	7,024.0	NO	NO
655	Weeping bottlebrush	7.2	3.3	9.60	Good	24.60	1.84	2.56	6.43	1.50	107.0	NO	NO
656	White ironbark	15.7	7.5	15.20	Poor	50.37	6.52	3.31	40.75	6.11	490.0	NO	NO
657	White ironbark	19.0	9.1	35.30	Poor	175.37	22.70	4.97	70.49	8.04	724.0	NO	NO
658	Weeping bottlebrush	8.5	3.3	11.90	Excellent	29.50	2.21	2.47	9.26	1.87	215.0	NO	NO
659	Thorny Coral Tree	52.0	12.8	73.90	Excellent	332.06	24.86	4.49	694.37	24.25	7,803.0	NO	NO
660	Thorny Coral Tree	56.0	11.3	67.90	Excellent	277.72	20.79	4.09	823.22	26.78	9,047.0	NO	NO
661	White ironbark	25.0	3.3	11.90	Excellent	29.50	3.82	2.47	113.37	8.27	2,029.0	NO	NO
662	European Olive	3.0	3.5	3.10	Excellent	8.41	0.63	2.68	0.98	0.38	75.0	NO	NO
663	Jacaranda	15.0	8.4	24.60	Excellent	67.20	5.03	2.73	34.85	4.24	724.0	NO	YES
664	Wallangara Wattle	5.7	3.0	6.60	Good	18.98	4.59	2.87	5.01	1.09	62.0	NO	NO
665	Wallangara Wattle	4.0	3.1	5.30	Excellent	16.85	4.07	3.17	3.04	0.70	49.0	NO	NO
666	Chinaberry	22.8	7.2	31.20	Good	131.93	9.88	4.23	92.64	13.49	1,279.0	NO	YES
667	Wallangara Wattle	3.0	4.9	9.10	Excellent	21.79	5.27	2.4	2.87	0.39	49.0	NO	NO
668	Illwarra Flame Tree	26.6	7.4	12.60	Good	31.90	2.79	2.54	135.04	7.27	1,953.0	NO	NO
669	Weeping bottlebrush	20.1	7.2	18.90	Good	76.22	5.71	4.04	71.16	6.27	1,005.0	NO	NO
670	Weeping bottlebrush	11.1	4.4	9.60	Excellent	33.82	2.53	3.52	17.17	2.71	345.0	NO	NO
671	Weeping bottlebrush	25.5	9.9	40.70	Good	191.24	14.32	4.7	130.02	8.86	1,597.0	NO	NO
672	Weeping bottlebrush	12.8	5.6	22.10	Good	43.83	3.28	1.99	24.45	2.61	426.0	NO	NO
673	Weeping bottlebrush	24.3	7.7	40.70	Good	198.58	14.87	4.88	114.65	14.79	1,453.0	NO	NO
674	Weeping bottlebrush	18.0	11.8	16.60	Good	78.52	5.88	4.72	57.84	5.57	812.0	NO	NO
675	Desert ash	22.0	10.8	35.30	Good	220.93	15.73	6.27	80.01	11.03	1,197.0	NO	NO
676	Syagrus romanzoffiana	8.0	4.3	6.60	Good	35.56	5.96	5.38	3.59	0.11	249.0	NO	YES
677	Desert ash	9.0	6.1	4.90	Excellent	14.82	1.06	3.02	10.17	1.93	238.0	NO	NO
678	Red gum eucalyptus	24.0	12.0	29.20	Good	224.22	31.03	7.67	121.97	14.94	1,776.0	NO	NO
679	Silk oak	23.0	11.4	17.30	Excellent	106.76	12.98	6.15	103.77	7.76	1,716.0	NO	NO
680	Canary island date palm	90.0	6.2	37.40	Excellent	292.77	49.10	7.83	23.36	0.24	1,579.0	NO	NO
681	Boxelder	26.3	10.8	51.50	Excellent	469.59	42.96	9.11	146.85	16.85	2,241.0	NO	NO
682	River she-oak	19.0	8.9	19.60	Good	131.73	9.86	6.71	65.23	10.68	1,110.0	NO	NO
683	Red gum eucalyptus	103.0	21.9	298.60	Good	1,377.07	190.60	4.61	3,783.88	109.06	29,827.0	NO	NO
	TOTAL			40,226		146,194	17,359		342,236	10,079	3,093,814		

Tree Characteristics in Ridge Park by Species

Series: RP_EcoInvt_Dec2015, Time Period: 2015

Species Name	Tree Count		Canopy Cover (m2)		Leaf Area (m2)		Leaf Biomass (kg)		Carbon Storage (kg)		Gross Carbon Seq (kg/yr)		Structural Tree Value (A\$)	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
acacia spp	2	0.29	22.1	0.05	60.3	0.04	14.6	0.08	8.7	0.00	2.6	0.03	172.0	0.01
Boxelder	2	0.29	96.9	0.24	654.9	0.45	59.9	0.35	190.9	0.06	21.6	0.21	2,988.0	0.10
Brown mallet	1	0.15	160.6	0.40	503.0	0.34	65.1	0.38	729.6	0.21	43.9	0.44	8,369.0	0.27
California privet	2	0.29	17.3	0.04	66.2	0.05	6.0	0.03	30.0	0.01	4.5	0.04	633.0	0.02
Canary island date palm	1	0.15	37.4	0.09	292.8	0.20	49.1	0.28	23.4	0.01	0.2	0.00	1,579.0	0.05
Chinaberry	1	0.15	31.2	0.08	131.9	0.09	9.9	0.06	92.6	0.03	13.5	0.13	1,279.0	0.04
Coast grey box	1	0.15	103.9	0.26	272.4	0.19	35.3	0.20	440.8	0.13	18.3	0.18	5,456.0	0.18
Coastal wattle	1	0.15	11.9	0.03	36.3	0.02	8.8	0.05	10.8	0.00	3.2	0.03	194.0	0.01
Coral gum	5	0.73	439.0	1.09	1,076.7	0.74	139.4	0.80	1,767.0	0.52	84.9	0.84	21,099.0	0.68
Creeping mirrorplant	1	0.15	4.9	0.01	17.3	0.01	1.3	0.01	3.0	0.00	1.8	0.02	54.0	0.00
Crimson bottlebrush	1	0.15	3.5	0.01	12.1	0.01	0.9	0.01	7.6	0.00	3.2	0.03	185.0	0.01
Desert ash	38	5.56	2,535.0	6.30	8,691.7	5.95	618.8	3.56	14,311.1	4.18	403.2	4.00	140,435.0	4.54
Drooping melaleuca	4	0.59	246.7	0.61	1,019.7	0.70	76.4	0.44	1,562.5	0.46	94.8	0.94	15,677.0	0.51
Drooping she-oak	32	4.69	218.7	0.54	594.0	0.41	44.5	0.26	577.2	0.17	50.8	0.50	6,344.0	0.21
Dutch elm	2	0.29	31.2	0.08	66.8	0.05	4.6	0.03	25.6	0.01	3.0	0.03	736.0	0.02
European Olive	110	16.11	5,066.2	12.59	16,122.4	11.03	1,207.2	6.95	26,776.7	7.82	1,111.9	11.03	303,230.0	9.80
Florida hopbush	20	2.93	236.5	0.59	509.4	0.35	38.1	0.22	222.6	0.07	33.6	0.33	3,982.0	0.13
Golden wattle	44	6.44	549.3	1.37	1,816.3	1.24	439.0	2.53	738.3	0.22	99.3	0.99	9,558.0	0.31
gum spp	5	0.73	338.3	0.84	778.4	0.53	100.8	0.58	1,495.2	0.44	62.1	0.62	18,479.0	0.60
Illwarra Flame Tree	1	0.15	12.6	0.03	31.9	0.02	2.8	0.02	135.0	0.04	7.3	0.07	1,953.0	0.06
Inland Red Box	2	0.29	441.6	1.10	1,688.9	1.16	218.6	1.26	2,767.6	0.81	100.9	1.00	28,229.0	0.91
Jacaranda	3	0.44	103.4	0.26	351.7	0.24	26.3	0.15	146.0	0.04	15.3	0.15	2,816.0	0.09
Kurrajong	3	0.44	187.1	0.47	693.7	0.47	60.7	0.35	2,099.5	0.61	91.7	0.91	21,894.0	0.71
Lemonscented gum	6	0.88	995.8	2.48	2,649.1	1.81	198.4	1.14	3,548.8	1.04	159.4	1.58	40,290.0	1.30
Lndon planetree Bloodgood	1	0.15	158.4	0.39	766.9	0.52	35.2	0.20	695.1	0.20	24.3	0.24	7,850.0	0.25
melaleuca spp	3	0.44	10.7	0.03	19.4	0.01	1.5	0.01	4.5	0.00	1.5	0.02	156.0	0.01
Monterey pine	1	0.15	1.8	0.00	3.7	0.00	0.4	0.00	2.7	0.00	0.5	0.01	104.0	0.00
Mugga ironbark	1	0.15	30.2	0.08	188.9	0.13	25.9	0.15	230.4	0.07	16.9	0.17	2,065.0	0.07
Narrow-leaved box	59	8.64	3,669.4	9.12	12,516.6	8.56	1,620.3	9.33	39,273.8	11.48	1,227.9	12.18	333,454.0	10.78
Native Apricot	4	0.59	7.8	0.02	22.1	0.02	1.7	0.01	12.4	0.00	4.8	0.05	347.0	0.01
Orange cotoneaster	1	0.15	25.5	0.06	69.5	0.05	5.2	0.03	41.3	0.01	4.5	0.04	557.0	0.02
Orange wattle	4	0.59	281.6	0.70	1,195.8	0.82	289.0	1.66	1,136.4	0.33	86.7	0.86	10,164.0	0.33
Paradox acacia	1	0.15	12.6	0.03	28.4	0.02	6.9	0.04	3.5	0.00	0.4	0.00	49.0	0.00
Peppermint tree	5	0.73	337.3	0.84	1,115.8	0.76	83.5	0.48	2,832.1	0.83	126.8	1.26	32,776.0	1.06
peppertree spp	4	0.59	553.3	1.38	1,928.0	1.32	144.4	0.83	8,225.5	2.40	97.8	0.97	71,722.0	2.32
Pine-leaved Bottlebrush	1	0.15	35.3	0.09	94.7	0.06	7.1	0.04	65.7	0.02	5.9	0.06	1,004.0	0.03
Prickly-leaved Paperbark	2	0.29	88.1	0.22	419.2	0.29	31.4	0.18	763.4	0.22	56.8	0.56	8,195.0	0.26
Primrose tree	4	0.59	131.2	0.33	612.2	0.42	45.8	0.26	1,661.9	0.49	98.7	0.98	17,240.0	0.56

Species Name	Tree Count		Canopy Cover (m2)		Leaf Area (m2)		Leaf Biomass (kg)		Carbon Storage (kg)		Gross Carbon Seq (kg/yr)		Structural Tree Value (A\$)	
	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%	Value	%
Queensland pittosporum	1	0.15	13.2	0.03	57.8	0.04	4.3	0.02	30.4	0.01	6.9	0.07	506.0	0.02
Red gum eucalyptus	132	19.33	13,711.6	34.09	55,062.7	37.66	7,621.1	43.90	154,133.9	45.04	3,300.9	32.75	1,305,558.0	42.20
Redflower gum	3	0.44	209.4	0.52	459.2	0.31	34.4	0.20	988.5	0.29	38.9	0.39	12,277.0	0.40
Ribbon gum eucalyptus	1	0.15	176.7	0.44	591.2	0.40	76.5	0.44	2,679.6	0.78	53.5	0.53	24,116.0	0.78
River she-oak	12	1.76	278.7	0.69	1,353.7	0.93	101.4	0.58	1,799.6	0.53	117.2	1.16	18,859.0	0.61
Silk oak	6	0.88	322.8	0.80	1,346.0	0.92	163.7	0.94	1,857.2	0.54	103.3	1.03	23,191.0	0.75
Smooth-bark angophora	1	0.15	130.7	0.32	326.5	0.22	24.5	0.14	561.4	0.16	21.2	0.21	7,195.0	0.23
Southern Cypress-Pine	9	1.32	36.6	0.09	119.0	0.08	8.9	0.05	274.8	0.08	32.0	0.32	4,660.0	0.15
Spotted gum	7	1.02	277.4	0.69	977.7	0.67	73.2	0.42	1,918.1	0.56	91.0	0.90	22,522.0	0.73
Stiffleaf cheesewood	5	0.73	15.9	0.04	47.1	0.03	3.5	0.02	12.0	0.00	2.9	0.03	228.0	0.01
Sugargum	15	2.20	3,361.0	8.36	11,273.1	7.71	1,459.3	8.41	23,833.0	6.96	625.4	6.20	221,475.0	7.16
Syagrus romanzoffiana	1	0.15	6.6	0.02	35.6	0.02	6.0	0.03	3.6	0.00	0.1	0.00	249.0	0.01
Tawhiwhi	1	0.15	24.6	0.06	200.4	0.14	15.0	0.09	102.0	0.03	13.8	0.14	1,372.0	0.04
Thorny Coral Tree	2	0.29	141.8	0.35	609.8	0.42	45.7	0.26	1,517.6	0.44	51.0	0.51	16,850.0	0.54
Victorian box	1	0.15	9.6	0.02	24.4	0.02	1.8	0.01	3.4	0.00	0.8	0.01	54.0	0.00
Vinegartree	9	1.32	276.4	0.69	1,039.8	0.71	77.9	0.45	1,029.6	0.30	76.9	0.76	13,832.0	0.45
Wallangara Wattle	6	0.88	97.2	0.24	271.6	0.19	65.6	0.38	54.8	0.02	7.3	0.07	560.0	0.02
Weeping bottlebrush	40	5.86	627.4	1.56	2,316.9	1.58	173.5	1.00	1,569.0	0.46	171.2	1.70	22,306.0	0.72
White ironbark	51	7.47	3,172.4	7.89	12,673.0	8.67	1,640.6	9.45	36,580.2	10.69	1,157.9	11.49	269,260.0	8.70
Yellow box	1	0.15	102.1	0.25	289.3	0.20	37.4	0.22	628.6	0.18	22.6	0.22	7,430.0	0.24
TOTAL	683	100	40,226	100	146,194	100	17,359	100	342,236	100	10,079	100	3,093,814	100

7.2 Appendix B. Species importance in Ridge Park

Species Importance in Ridge Park

Series: RP_Ecolnvt_Dec2015, Time Period: 2015

Species Name	Tree Count		Leaf Area (m2)		Importance
	Value	%	Value	%	
Red gum eucalyptus	132	19.33	55,062.7	37.66	28.50
European Olive	110	16.11	16,122.4	11.03	13.57
Narrow-leaved box	59	8.64	12,516.6	8.56	8.60
White ironbark	51	7.47	12,673.0	8.67	8.07
Desert ash	38	5.56	8,691.7	5.95	5.75
Sugargum	15	2.20	11,273.1	7.71	4.95
Golden wattle	44	6.44	1,816.3	1.24	3.84
Weeping bottlebrush	40	5.86	2,316.9	1.58	3.72
Drooping she-oak	32	4.69	594.0	0.41	2.55
Florida hopbush	20	2.93	509.4	0.35	1.64
Lemonscented gum	6	0.88	2,649.1	1.81	1.35
River she-oak	12	1.76	1,353.7	0.93	1.34
Vinegartree	9	1.32	1,039.8	0.71	1.01
peppertree spp	4	0.59	1,928.0	1.32	0.95
Silk oak	6	0.88	1,346.0	0.92	0.90
Spotted gum	7	1.02	977.7	0.67	0.85
Peppermint tree	5	0.73	1,115.8	0.76	0.75
Coral gum	5	0.73	1,076.7	0.74	0.73
Inland Red Box	2	0.29	1,688.9	1.16	0.72
Orange wattle	4	0.59	1,195.8	0.82	0.70
Southern Cypress-Pine	9	1.32	119.0	0.08	0.70
Drooping melaleuca	4	0.59	1,019.7	0.70	0.64
gum spp	5	0.73	778.4	0.53	0.63
Wallangara Wattle	6	0.88	271.6	0.19	0.53
Primrose tree	4	0.59	612.2	0.42	0.50
Kurrajong	3	0.44	693.7	0.47	0.46
Stiffleaf cheesewood	5	0.73	47.1	0.03	0.38
Redflower gum	3	0.44	459.2	0.31	0.38
Boxelder	2	0.29	654.9	0.45	0.37
Thorny Coral Tree	2	0.29	609.8	0.42	0.35
Jacaranda	3	0.44	351.7	0.24	0.34
Lndon planetree Bloodgood	1	0.15	766.9	0.52	0.34
Native Apricot	4	0.59	22.1	0.02	0.30
Prickly-leaved Paperbark	2	0.29	419.2	0.29	0.29
Ribbon gum eucalyptus	1	0.15	591.2	0.40	0.28
Brown mallet	1	0.15	503.0	0.34	0.25
melaleuca spp	3	0.44	19.4	0.01	0.23
Smooth-bark angophora	1	0.15	326.5	0.22	0.18
Canary island date palm	1	0.15	292.8	0.20	0.17
Yellow box	1	0.15	289.3	0.20	0.17
Dutch elm	2	0.29	66.8	0.05	0.17
California privet	2	0.29	66.2	0.05	0.17
acacia spp	2	0.29	60.3	0.04	0.17
Coast grey box	1	0.15	272.4	0.19	0.17
Tawhiwhi	1	0.15	200.4	0.14	0.14
Mugga ironbark	1	0.15	188.9	0.13	0.14
Chinaberry	1	0.15	131.9	0.09	0.12
Pine-leaved Bottlebrush	1	0.15	94.7	0.06	0.11
Orange cotoneaster	1	0.15	69.5	0.05	0.10
Queensland pittosporum	1	0.15	57.8	0.04	0.09
Coastal wattle	1	0.15	36.3	0.02	0.09
Syagrus romanzoffiana	1	0.15	35.6	0.02	0.09
Illwarra Flame Tree	1	0.15	31.9	0.02	0.08
Paradox acacia	1	0.15	28.4	0.02	0.08
Victorian box	1	0.15	24.4	0.02	0.08
Creeping mirrorplant	1	0.15	17.3	0.01	0.08
Crimson bottlebrush	1	0.15	12.1	0.01	0.08
Monterey pine	1	0.15	3.7	0.00	0.07

7.3 Appendix C. Tree pollution effects in Ridge Park

Individual Tree Pollution Effects in Ridge Park

Series: RP_EcoInvt_Dec2015, Time Period: 2015

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
1	White ironbark	0.3	78.0	12.5	46.5	0.6	1.5	0.00	0.05	0.01	0.01	0.00	0.00	559.43	126.52	685.95
2	Golden wattle	1.4	368.0	59.0	121.9	2.9	4.0	0.00	0.25	0.04	0.02	0.00	0.00	3.80	600.40	604.20
3	Golden wattle	0.0	10.0	1.6	3.3	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.10	16.36	16.46
4	Golden wattle	0.0	9.9	1.6	3.0	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.10	16.15	16.25
5	White ironbark	1.2	310.2	49.8	159.3	2.5	5.2	0.00	0.21	0.03	0.03	0.00	0.00	2,224.63	503.14	2,727.77
6	River she-oak	0.2	46.8	7.5	52.5	0.4	1.7	0.00	0.03	0.01	0.01	0.00	0.00	335.75	2.53	338.28
7	River she-oak	0.2	46.7	7.5	48.2	0.4	1.6	0.00	0.03	0.01	0.01	0.00	0.00	334.82	2.52	337.34
8	Golden wattle	0.1	28.6	4.6	12.4	0.2	0.4	0.00	0.02	0.00	0.00	0.00	0.00	0.30	46.74	47.04
9	Golden wattle	0.0	10.1	1.6	4.1	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.10	16.47	16.57
10	Native Apricot	0.0	2.0	0.3	2.7	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Southern Cypress-Pine	0.0	0.5	0.1	0.7	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.21
12	Red gum eucalyptus	0.3	87.5	14.0	50.8	0.7	1.7	0.00	0.06	0.01	0.01	0.00	0.00	627.60	141.94	769.55
13	White ironbark	0.9	225.9	36.3	143.4	1.8	4.7	0.00	0.15	0.02	0.03	0.00	0.00	1,620.38	366.48	1,986.85
14	Red gum eucalyptus	0.1	18.7	3.0	11.0	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	134.49	30.42	164.90
15	Southern Cypress-Pine	0.0	8.3	1.3	9.6	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	0.07	3.22	3.29
16	Southern Cypress-Pine	0.0	9.4	1.5	10.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	0.08	3.62	3.70
17	White ironbark	0.3	77.9	12.5	53.7	0.6	1.8	0.00	0.05	0.01	0.01	0.00	0.00	558.49	126.31	684.81
18	Southern Cypress-Pine	0.0	8.7	1.4	11.1	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	0.08	3.37	3.45
19	Golden wattle	0.1	13.9	2.2	7.1	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	0.14	22.73	22.88
20	Red gum eucalyptus	0.1	16.6	2.7	11.8	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	119.08	26.93	146.01
21	Red gum eucalyptus	0.0	4.9	0.8	3.3	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	35.49	8.03	43.52
22	Southern Cypress-Pine	0.1	17.1	2.7	17.9	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	0.15	6.59	6.74
23	Red gum eucalyptus	0.1	17.8	2.9	12.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	127.95	28.94	156.89
24	Red gum eucalyptus	0.0	6.1	1.0	4.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	43.89	9.93	53.82
25	Narrow-leaved box	0.3	78.5	12.6	50.9	0.6	1.7	0.00	0.05	0.01	0.01	0.00	0.00	562.70	127.26	689.96
26	Golden wattle	0.4	95.1	15.3	31.9	0.8	1.0	0.00	0.06	0.01	0.01	0.00	0.00	0.98	155.20	156.18
27	Golden wattle	0.3	83.7	13.4	27.1	0.7	0.9	0.00	0.06	0.01	0.01	0.00	0.00	0.86	136.50	137.37
28	Narrow-leaved box	0.0	4.8	0.8	3.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	34.56	7.82	42.37
29	Golden wattle	0.0	9.2	1.5	3.3	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.10	15.08	15.18
30	Red gum eucalyptus	0.4	103.2	16.6	51.4	0.8	1.7	0.00	0.07	0.01	0.01	0.00	0.00	740.14	167.40	907.54
31	Golden wattle	0.5	119.9	19.2	38.5	1.0	1.3	0.00	0.08	0.01	0.01	0.00	0.00	1.24	195.67	196.91
32	Narrow-leaved box	0.0	4.5	0.7	3.2	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	32.22	7.29	39.51
33	Sugargum	0.6	164.6	26.4	109.4	1.3	3.6	0.00	0.11	0.02	0.02	0.00	0.00	1,180.96	267.10	1,448.06
34	Narrow-leaved box	0.0	3.1	0.5	2.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	22.41	5.07	27.48
35	Ribbon gum eucalyptus	1.9	498.2	79.9	329.1	4.0	10.8	0.00	0.34	0.05	0.06	0.00	0.00	3,573.70	808.26	4,381.96
36	Red gum eucalyptus	0.1	19.3	3.1	13.9	0.2	0.5	0.00	0.01	0.00	0.00	0.00	0.00	138.22	31.26	169.48
37	Golden wattle	0.1	25.1	4.0	17.3	0.2	0.6	0.00	0.02	0.00	0.00	0.00	0.00	0.26	41.00	41.26
38	Golden wattle	0.7	194.4	31.2	79.5	1.6	2.6	0.00	0.13	0.02	0.01	0.00	0.00	2.01	317.20	319.20
39	River she-oak	0.0	1.8	0.3	4.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	12.61	0.10	12.70
40	White ironbark	0.6	149.7	24.0	118.8	1.2	3.9	0.00	0.10	0.02	0.02	0.00	0.00	1,074.02	242.91	1,316.94

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
41	Red gum eucalyptus	3.2	846.2	135.8	549.7	6.8	18.1	0.00	0.57	0.09	0.10	0.00	0.00	6,069.17	1,372.66	7,441.83
42	Redflower gum	0.1	26.4	4.2	46.3	0.2	1.5	0.00	0.02	0.00	0.01	0.00	0.00	76.06	7.15	83.21
43	Redflower gum	0.3	91.2	14.6	137.7	0.7	4.5	0.00	0.06	0.01	0.03	0.00	0.00	262.47	24.66	287.13
44	Peppermint tree	0.5	134.4	21.6	160.3	1.1	5.3	0.00	0.09	0.01	0.03	0.00	0.00	386.90	36.35	423.25
45	Southern Cypress-Pine	0.0	2.5	0.4	3.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.96	0.98
46	Silk oak	0.9	247.3	39.7	172.8	2.0	5.7	0.00	0.17	0.03	0.03	0.00	0.00	2.53	26.75	29.28
47	Golden wattle	0.0	7.6	1.2	3.2	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.08	12.43	12.51
48	White ironbark	0.7	172.3	27.6	152.4	1.4	5.0	0.00	0.12	0.02	0.03	0.00	0.00	1,235.60	279.45	1,515.05
49	Prickly-leaved Paperbark	0.2	51.4	8.3	56.1	0.4	1.8	0.00	0.03	0.01	0.01	0.00	0.00	116.47	0.00	116.47
50	Spotted gum	0.5	122.7	19.7	159.2	1.0	5.2	0.00	0.08	0.01	0.03	0.00	0.00	352.96	33.16	386.12
51	Red gum eucalyptus	1.9	506.1	81.2	299.8	4.0	9.9	0.00	0.34	0.05	0.06	0.00	0.00	3,630.20	821.04	4,451.24
52	Kurrajong	0.0	12.2	2.0	14.7	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Golden wattle	0.0	3.8	0.6	1.8	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.04	6.27	6.31
54	Desert ash	0.2	58.5	9.4	76.2	0.5	2.5	0.00	0.04	0.01	0.01	0.00	0.00	0.81	3.76	4.57
55	Smooth-bark angophora	0.6	159.2	25.5	202.5	1.3	6.7	0.00	0.11	0.02	0.04	0.00	0.00	458.05	43.04	501.09
56	Desert ash	0.2	42.8	6.9	66.9	0.3	2.2	0.00	0.03	0.00	0.01	0.00	0.00	0.59	2.75	3.34
57	Red gum eucalyptus	1.1	299.9	48.1	180.3	2.4	5.9	0.00	0.20	0.03	0.03	0.00	0.00	2,150.85	486.46	2,637.31
58	Peppermint tree	0.2	46.5	7.5	76.9	0.4	2.5	0.00	0.03	0.01	0.01	0.00	0.00	133.77	12.57	146.34
59	Coral gum	0.8	220.8	35.4	183.9	1.8	6.0	0.00	0.15	0.02	0.03	0.00	0.00	1,583.95	358.24	1,942.19
60	Golden wattle	0.2	53.2	8.5	22.4	0.4	0.7	0.00	0.04	0.01	0.00	0.00	0.00	0.55	86.79	87.34
61	Narrow-leaved box	0.0	3.9	0.6	4.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	28.02	6.34	34.35
62	Golden wattle	0.1	33.0	5.3	14.8	0.3	0.5	0.00	0.02	0.00	0.00	0.00	0.00	0.34	53.86	54.20
63	Lemonscented gum	1.3	338.0	54.2	469.1	2.7	15.4	0.00	0.23	0.04	0.09	0.00	0.00	972.52	91.38	1,063.89
64	Golden wattle	0.3	85.0	13.6	29.0	0.7	1.0	0.00	0.06	0.01	0.01	0.00	0.00	0.88	138.73	139.61
65	Spotted gum	0.5	137.1	22.0	155.0	1.1	5.1	0.00	0.09	0.01	0.03	0.00	0.00	394.55	37.07	431.62
66	Golden wattle	0.2	42.9	6.9	15.8	0.3	0.5	0.00	0.03	0.00	0.00	0.00	0.00	0.44	70.00	70.45
67	Golden wattle	0.2	58.0	9.3	24.5	0.5	0.8	0.00	0.04	0.01	0.00	0.00	0.00	0.60	94.65	95.25
68	Golden wattle	0.2	61.4	9.9	26.7	0.5	0.9	0.00	0.04	0.01	0.00	0.00	0.00	0.63	100.17	100.81
69	Golden wattle	0.1	34.8	5.6	15.6	0.3	0.5	0.00	0.02	0.00	0.00	0.00	0.00	0.36	56.73	57.08
70	Red gum eucalyptus	2.1	549.5	88.2	293.7	4.4	9.7	0.00	0.37	0.06	0.05	0.00	0.00	3,941.20	891.38	4,832.58
71	Red gum eucalyptus	2.4	642.5	103.1	387.8	5.1	12.8	0.00	0.43	0.07	0.07	0.00	0.00	4,608.50	1,042.30	5,650.80
72	Southern Cypress-Pine	0.0	6.4	1.0	7.9	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.06	2.47	2.52
73	Red gum eucalyptus	0.0	7.7	1.2	4.6	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	55.10	12.46	67.56
74	Red gum eucalyptus	0.0	9.1	1.5	5.3	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	65.38	14.79	80.16
75	Golden wattle	0.0	12.7	2.0	4.4	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.13	20.71	20.85
76	Golden wattle	0.2	56.6	9.1	19.7	0.5	0.6	0.00	0.04	0.01	0.00	0.00	0.00	0.58	92.42	93.00
77	Red gum eucalyptus	0.0	7.6	1.2	4.7	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	54.64	12.36	66.99
78	Southern Cypress-Pine	0.0	3.5	0.6	3.8	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.36	1.39
79	Southern Cypress-Pine	0.0	1.6	0.3	2.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.63	0.64
80	Golden wattle	0.1	13.2	2.1	4.0	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.14	21.56	21.70
81	Golden wattle	0.5	125.8	20.2	41.4	1.0	1.4	0.00	0.08	0.01	0.01	0.00	0.00	1.30	205.23	206.53
82	Golden wattle	0.0	9.6	1.5	3.8	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.10	15.72	15.82
83	Golden wattle	0.1	37.7	6.0	13.6	0.3	0.4	0.00	0.03	0.00	0.00	0.00	0.00	0.39	61.51	61.90

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
84	Red gum eucalyptus	0.0	11.1	1.8	6.5	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	79.85	18.06	97.91
85	Golden wattle	0.1	34.4	5.5	12.2	0.3	0.4	0.00	0.02	0.00	0.00	0.00	0.00	0.35	56.09	56.44
86	River she-oak	0.2	57.4	9.2	55.3	0.5	1.8	0.00	0.04	0.01	0.01	0.00	0.00	411.87	3.11	414.97
87	Weeping bottlebrush	0.0	10.1	1.6	16.4	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	14.58	0.00	14.58
88	Red gum eucalyptus	1.5	391.5	62.8	248.9	3.1	8.2	0.00	0.26	0.04	0.05	0.00	0.00	2,808.34	635.16	3,443.50
89	Red gum eucalyptus	0.6	164.6	26.4	108.2	1.3	3.6	0.00	0.11	0.02	0.02	0.00	0.00	1,180.49	266.99	1,447.48
90	Lemonscented gum	1.1	291.9	46.8	336.4	2.3	11.1	0.00	0.20	0.03	0.06	0.00	0.00	840.06	78.93	918.99
91	Red gum eucalyptus	0.8	220.9	35.4	130.4	1.8	4.3	0.00	0.15	0.02	0.02	0.00	0.00	1,584.42	358.35	1,942.77
92	Red gum eucalyptus	0.8	205.6	33.0	114.2	1.6	3.8	0.00	0.14	0.02	0.02	0.00	0.00	1,474.68	333.53	1,808.21
93	Red gum eucalyptus	0.8	202.7	32.5	117.0	1.6	3.8	0.00	0.14	0.02	0.02	0.00	0.00	1,454.14	328.88	1,783.02
94	Vinegartree	0.3	68.2	10.9	76.5	0.5	2.5	0.00	0.05	0.01	0.01	0.00	0.00	196.18	18.43	214.61
95	Lemonscented gum	0.1	31.6	5.1	47.3	0.3	1.6	0.00	0.02	0.00	0.01	0.00	0.00	90.86	8.54	99.40
96	gum spp	1.0	273.2	43.8	212.1	2.2	7.0	0.00	0.18	0.03	0.04	0.00	0.00	1,959.86	443.26	2,403.12
97	gum spp	0.7	191.9	30.8	142.6	1.5	4.7	0.00	0.13	0.02	0.03	0.00	0.00	1,376.15	311.24	1,687.40
98	White ironbark	0.2	57.9	9.3	35.8	0.5	1.2	0.00	0.04	0.01	0.01	0.00	0.00	415.13	93.89	509.02
99	Red gum eucalyptus	0.9	240.9	38.7	165.0	1.9	5.4	0.00	0.16	0.03	0.03	0.00	0.00	1,727.78	390.77	2,118.55
100	Red gum eucalyptus	1.0	263.1	42.2	175.2	2.1	5.8	0.00	0.18	0.03	0.03	0.00	0.00	1,887.01	426.78	2,313.80
101	Red gum eucalyptus	0.2	50.6	8.1	31.1	0.4	1.0	0.00	0.03	0.01	0.01	0.00	0.00	362.83	82.06	444.90
102	Red gum eucalyptus	0.1	24.5	3.9	17.1	0.2	0.6	0.00	0.02	0.00	0.00	0.00	0.00	176.05	39.82	215.86
103	Red gum eucalyptus	0.8	204.3	32.8	125.4	1.6	4.1	0.00	0.14	0.02	0.02	0.00	0.00	1,465.34	331.42	1,796.76
104	River she-oak	0.0	4.9	0.8	6.3	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	35.02	0.26	35.29
105	Red gum eucalyptus	0.1	20.2	3.2	19.2	0.2	0.6	0.00	0.01	0.00	0.00	0.00	0.00	145.23	32.85	178.07
106	Lndon planetree Bloodgood	0.6	152.7	24.5	254.6	1.2	8.4	0.00	0.10	0.02	0.05	0.00	0.00	735.49	9.81	745.31
107	River she-oak	0.1	21.6	3.5	25.1	0.2	0.8	0.00	0.01	0.00	0.00	0.00	0.00	155.03	1.17	156.20
108	Red gum eucalyptus	1.6	423.0	67.9	255.2	3.4	8.4	0.00	0.28	0.05	0.05	0.00	0.00	3,033.89	686.17	3,720.06
109	Yellow box	0.9	243.7	39.1	170.8	1.9	5.6	0.00	0.16	0.03	0.03	0.00	0.00	1,748.33	395.42	2,143.74
110	Golden wattle	1.3	352.8	56.6	116.7	2.8	3.8	0.00	0.24	0.04	0.02	0.00	0.00	3.64	575.65	579.29
111	Vinegartree	0.2	53.2	8.5	67.3	0.4	2.2	0.00	0.04	0.01	0.01	0.00	0.00	153.08	14.38	167.46
112	Red gum eucalyptus	0.1	33.9	5.4	24.3	0.3	0.8	0.00	0.02	0.00	0.00	0.00	0.00	242.82	54.92	297.74
113	Red gum eucalyptus	1.7	452.5	72.6	242.8	3.6	8.0	0.00	0.30	0.05	0.04	0.00	0.00	3,245.42	734.01	3,979.44
114	Golden wattle	0.1	17.1	2.7	8.7	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	0.18	27.83	28.01
115	Primrose tree	0.1	16.0	2.6	21.2	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	Red gum eucalyptus	1.2	307.0	49.3	200.3	2.5	6.6	0.00	0.21	0.03	0.04	0.00	0.00	2,202.22	498.07	2,700.29
117	Vinegartree	0.3	67.3	10.8	71.8	0.5	2.4	0.00	0.05	0.01	0.01	0.00	0.00	193.74	18.20	211.94
118	Coast grey box	0.9	229.6	36.8	165.7	1.8	5.5	0.00	0.15	0.02	0.03	0.00	0.00	1,646.53	372.39	2,018.92
119	Primrose tree	0.4	106.6	17.1	107.7	0.9	3.5	0.00	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00
120	Sugargum	1.7	445.2	71.4	337.4	3.6	11.1	0.00	0.30	0.05	0.06	0.00	0.00	3,193.12	722.18	3,915.31
121	Red gum eucalyptus	0.5	130.8	21.0	70.1	1.0	2.3	0.00	0.09	0.01	0.01	0.00	0.00	938.14	212.18	1,150.31
122	Red gum eucalyptus	0.1	23.2	3.7	16.3	0.2	0.5	0.00	0.02	0.00	0.00	0.00	0.00	166.71	37.70	204.41
123	Vinegartree	0.1	15.0	2.4	23.7	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	43.28	4.07	47.35
124	gum spp	0.3	77.9	12.5	58.3	0.6	1.9	0.00	0.05	0.01	0.01	0.00	0.00	558.49	126.31	684.81
125	gum spp	0.1	34.4	5.5	37.2	0.3	1.2	0.00	0.02	0.00	0.01	0.00	0.00	247.03	55.87	302.90
126	Sugargum	1.0	275.7	44.2	183.6	2.2	6.0	0.00	0.19	0.03	0.03	0.00	0.00	1,977.14	447.17	2,424.31

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
127	Sugargum	1.0	275.6	44.2	240.6	2.2	7.9	0.00	0.19	0.03	0.04	0.00	0.00	1,976.67	447.06	2,423.73
128	Sugargum	6.7	1,757.9	282.1	1,082.8	14.0	35.6	0.00	1.18	0.19	0.20	0.01	0.01	12,608.58	2,851.67	15,460.25
129	Vinegartree	0.1	19.1	3.1	22.4	0.2	0.7	0.00	0.01	0.00	0.00	0.00	0.00	55.09	5.18	60.26
130	Sugargum	2.2	570.4	91.5	337.0	4.6	11.1	0.00	0.38	0.06	0.06	0.00	0.00	4,091.57	925.39	5,016.95
131	Vinegartree	0.0	11.2	1.8	14.2	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	32.23	3.03	35.26
132	River she-oak	0.1	35.2	5.6	38.5	0.3	1.3	0.00	0.02	0.00	0.01	0.00	0.00	252.16	1.90	254.06
133	Florida hobbush	0.0	4.5	0.7	5.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	20.67	0.00	20.67
134	Florida hobbush	0.0	4.5	0.7	6.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	20.67	0.00	20.67
135	Florida hobbush	0.0	2.9	0.5	4.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	13.18	0.00	13.18
136	River she-oak	0.0	10.3	1.7	11.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	73.78	0.56	74.34
137	Silk oak	0.3	76.9	12.3	50.2	0.6	1.7	0.00	0.05	0.01	0.01	0.00	0.00	0.79	8.32	9.10
138	Narrow-leaved box	0.0	12.2	2.0	7.7	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	87.32	19.75	107.07
139	Red gum eucalyptus	0.5	134.9	21.6	68.1	1.1	2.2	0.00	0.09	0.01	0.01	0.00	0.00	967.56	218.83	1,186.39
140	White ironbark	1.0	263.0	42.2	138.0	2.1	4.5	0.00	0.18	0.03	0.03	0.00	0.00	1,886.55	426.68	2,313.23
141	Narrow-leaved box	1.0	257.0	41.2	142.5	2.1	4.7	0.00	0.17	0.03	0.03	0.00	0.00	1,843.59	416.96	2,260.55
142	Narrow-leaved box	0.3	87.0	14.0	55.2	0.7	1.8	0.00	0.06	0.01	0.01	0.00	0.00	623.87	141.10	764.97
143	Narrow-leaved box	0.1	14.9	2.4	10.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	106.94	24.19	131.12
144	Red gum eucalyptus	1.2	309.1	49.6	200.0	2.5	6.6	0.00	0.21	0.03	0.04	0.00	0.00	2,217.16	501.45	2,718.61
145	Red gum eucalyptus	1.0	254.0	40.8	171.5	2.0	5.6	0.00	0.17	0.03	0.03	0.00	0.00	1,822.11	412.10	2,234.21
146	Red gum eucalyptus	2.7	705.9	113.3	440.0	5.6	14.5	0.00	0.48	0.08	0.08	0.00	0.00	5,062.86	1,145.06	6,207.92
147	Red gum eucalyptus	0.2	55.2	8.9	38.6	0.4	1.3	0.00	0.04	0.01	0.01	0.00	0.00	395.99	89.56	485.55
148	Red gum eucalyptus	0.4	106.9	17.2	91.1	0.9	3.0	0.00	0.07	0.01	0.02	0.00	0.00	766.76	173.42	940.18
149	Red gum eucalyptus	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	Red gum eucalyptus	4.2	1,105.1	177.3	661.8	8.8	21.8	0.00	0.74	0.12	0.12	0.00	0.00	7,926.77	1,792.79	9,719.56
151	Red gum eucalyptus	0.2	65.6	10.5	47.1	0.5	1.5	0.00	0.04	0.01	0.01	0.00	0.00	470.24	106.35	576.59
152	Red gum eucalyptus	3.6	958.3	153.8	599.7	7.7	19.7	0.00	0.64	0.10	0.11	0.00	0.00	6,873.76	1,554.63	8,428.39
153	Red gum eucalyptus	0.1	16.9	2.7	20.2	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	121.41	27.46	148.87
154	Red gum eucalyptus	4.8	1,277.3	205.0	712.5	10.2	23.4	0.00	0.86	0.14	0.13	0.00	0.00	9,161.43	2,072.03	11,233.46
155	White ironbark	1.1	286.7	46.0	203.8	2.3	6.7	0.00	0.19	0.03	0.04	0.00	0.00	2,056.06	465.02	2,521.07
156	Red gum eucalyptus	1.8	472.9	75.9	269.5	3.8	8.9	0.00	0.32	0.05	0.05	0.00	0.00	3,392.05	767.18	4,159.23
157	Narrow-leaved box	4.1	1,085.7	174.2	686.6	8.7	22.6	0.00	0.73	0.12	0.13	0.00	0.00	7,787.61	1,761.32	9,548.93
158	Peppermint tree	0.3	88.6	14.2	94.8	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	255.00	23.96	278.96
159	Red gum eucalyptus	2.5	656.6	105.4	362.8	5.2	11.9	0.00	0.44	0.07	0.07	0.00	0.00	4,709.83	1,065.22	5,775.05
160	Brown mallet	1.6	424.0	68.0	286.4	3.4	9.4	0.00	0.29	0.05	0.05	0.00	0.00	3,040.89	687.75	3,728.65
161	Desert ash	0.4	97.4	15.6	115.1	0.8	3.8	0.00	0.07	0.01	0.02	0.00	0.00	1.34	6.26	7.60
162	Vinegartree	0.4	97.6	15.7	99.4	0.8	3.3	0.00	0.07	0.01	0.02	0.00	0.00	280.87	26.39	307.26
163	White ironbark	0.8	222.4	35.7	141.9	1.8	4.7	0.00	0.15	0.02	0.03	0.00	0.00	1,595.16	360.78	1,955.94
164	Red gum eucalyptus	1.8	484.9	77.8	309.5	3.9	10.2	0.00	0.33	0.05	0.06	0.00	0.00	3,477.97	786.61	4,264.58
165	Prickly-leaved Paperbark	0.6	152.9	24.5	154.0	1.2	5.1	0.00	0.10	0.02	0.03	0.00	0.00	346.31	0.00	346.31
166	Red gum eucalyptus	1.5	407.9	65.4	225.6	3.3	7.4	0.00	0.27	0.04	0.04	0.00	0.00	2,925.55	661.67	3,587.22
167	Redflower gum	0.4	106.2	17.0	116.9	0.8	3.8	0.00	0.07	0.01	0.02	0.00	0.00	305.56	28.71	334.27
168	Desert ash	0.3	83.2	13.4	99.7	0.7	3.3	0.00	0.06	0.01	0.02	0.00	0.00	1.15	5.35	6.49
169	Red gum eucalyptus	4.4	1,153.4	185.1	646.6	9.2	21.3	0.00	0.78	0.12	0.12	0.00	0.00	8,272.79	1,871.05	10,143.84

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
170	Desert ash	0.4	98.3	15.8	116.5	0.8	3.8	0.00	0.07	0.01	0.02	0.00	0.00	1.35	6.32	7.67
171	Sugargum	2.9	778.1	124.8	520.5	6.2	17.1	0.00	0.52	0.08	0.10	0.00	0.00	5,580.72	1,262.19	6,842.91
172	Sugargum	6.5	1,707.4	274.0	1,070.7	13.6	35.2	0.00	1.15	0.18	0.20	0.01	0.01	12,246.68	2,769.82	15,016.50
173	Red gum eucalyptus	2.8	734.4	117.9	393.3	5.9	12.9	0.00	0.49	0.08	0.07	0.00	0.00	5,267.86	1,191.43	6,459.28
174	Peppermint tree	0.6	160.2	25.7	158.5	1.3	5.2	0.00	0.11	0.02	0.03	0.00	0.00	460.90	43.31	504.21
175	Narrow-leaved box	0.1	23.8	3.8	14.0	0.2	0.5	0.00	0.02	0.00	0.00	0.00	0.00	170.91	38.65	209.56
176	Spotted gum	0.0	4.5	0.7	5.0	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	12.93	1.21	14.14
177	Coral gum	1.4	376.8	60.5	232.4	3.0	7.6	0.00	0.25	0.04	0.04	0.00	0.00	2,702.34	611.19	3,313.52
178	Coral gum	0.7	180.5	29.0	164.9	1.4	5.4	0.00	0.12	0.02	0.03	0.00	0.00	1,294.43	292.76	1,587.19
179	Red gum eucalyptus	0.5	137.8	22.1	84.9	1.1	2.8	0.00	0.09	0.01	0.02	0.00	0.00	988.10	223.48	1,211.58
180	Red gum eucalyptus	0.0	5.8	0.9	3.8	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	41.56	9.40	50.96
181	Golden wattle	0.7	178.6	28.7	68.9	1.4	2.3	0.00	0.12	0.02	0.01	0.00	0.00	1.84	291.38	293.23
182	White ironbark	1.3	355.6	57.1	204.0	2.8	6.7	0.00	0.24	0.04	0.04	0.00	0.00	2,550.57	576.86	3,127.44
183	Golden wattle	0.0	7.9	1.3	3.4	0.1	0.1	0.00	0.01	0.00	0.00	0.00	0.00	0.08	12.96	13.04
184	Florida hopbush	0.1	13.7	2.2	19.9	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	62.92	0.00	62.92
185	Florida hopbush	0.0	6.8	1.1	9.6	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	31.46	0.00	31.46
186	Florida hopbush	0.0	1.6	0.3	2.4	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.00	7.19
187	Florida hopbush	0.0	8.3	1.3	11.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	38.05	0.00	38.05
188	Florida hopbush	0.0	11.5	1.8	17.5	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	53.03	0.00	53.03
189	Florida hopbush	0.1	17.3	2.8	22.1	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	79.40	0.00	79.40
190	Florida hopbush	0.0	11.7	1.9	19.2	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	53.63	0.00	53.63
191	Florida hopbush	0.1	15.4	2.5	22.5	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	71.01	0.00	71.01
192	Florida hopbush	0.0	2.0	0.3	3.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	9.29	0.00	9.29
193	Narrow-leaved box	0.5	124.1	19.9	70.3	1.0	2.3	0.00	0.08	0.01	0.01	0.00	0.00	890.04	201.30	1,091.34
194	Native Apricot	0.0	5.1	0.8	5.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	Spotted gum	0.0	7.4	1.2	7.4	0.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	21.36	2.01	23.36
196	Golden wattle	0.4	111.1	17.8	33.5	0.9	1.1	0.00	0.07	0.01	0.01	0.00	0.00	1.15	181.23	182.37
197	Narrow-leaved box	0.0	5.5	0.9	4.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	39.23	8.87	48.10
198	Narrow-leaved box	0.1	21.0	3.4	12.0	0.2	0.4	0.00	0.01	0.00	0.00	0.00	0.00	150.83	34.11	184.94
199	Florida hopbush	0.0	12.2	2.0	16.7	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	56.03	0.00	56.03
200	Red gum eucalyptus	6.2	1,639.4	263.1	969.7	13.1	31.9	0.00	1.10	0.18	0.18	0.01	0.01	11,759.17	2,659.56	14,418.73
201	White ironbark	0.0	9.4	1.5	6.0	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	67.24	15.21	82.45
202	Red gum eucalyptus	2.5	656.4	105.3	407.9	5.2	13.4	0.00	0.44	0.07	0.08	0.00	0.00	4,707.96	1,064.79	5,772.76
203	Narrow-leaved box	0.1	14.3	2.3	8.2	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	102.73	23.23	125.97
204	Narrow-leaved box	0.0	12.0	1.9	7.9	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	85.92	19.43	105.35
205	Golden wattle	0.2	65.9	10.6	19.9	0.5	0.7	0.00	0.04	0.01	0.00	0.00	0.00	0.68	107.50	108.18
206	Narrow-leaved box	0.0	8.0	1.3	4.8	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	57.44	12.99	70.43
207	White ironbark	0.1	21.7	3.5	13.6	0.2	0.4	0.00	0.01	0.00	0.00	0.00	0.00	155.50	35.17	190.67
208	Golden wattle	0.2	60.4	9.7	20.9	0.5	0.7	0.00	0.04	0.01	0.00	0.00	0.00	0.62	98.47	99.10
209	Red gum eucalyptus	0.0	10.7	1.7	6.1	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	77.05	17.43	94.48
210	Red gum eucalyptus	0.1	14.6	2.3	8.8	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	104.60	23.66	128.26
211	White ironbark	0.4	93.2	14.9	52.2	0.7	1.7	0.00	0.06	0.01	0.01	0.00	0.00	668.23	151.13	819.36
212	White ironbark	0.0	10.6	1.7	6.9	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	76.12	17.21	93.33
213	White ironbark	0.1	36.7	5.9	23.2	0.3	0.8	0.00	0.02	0.00	0.00	0.00	0.00	263.37	59.57	322.94

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
214	Golden wattle	0.1	25.3	4.1	10.4	0.2	0.3	0.00	0.02	0.00	0.00	0.00	0.00	0.26	41.22	41.48
215	White ironbark	0.2	47.3	7.6	35.1	0.4	1.2	0.00	0.03	0.01	0.01	0.00	0.00	339.49	76.78	416.27
216	Red gum eucalyptus	4.4	1,155.3	185.4	670.3	9.2	22.1	0.00	0.78	0.12	0.12	0.00	0.00	8,286.33	1,874.11	10,160.44
217	White ironbark	0.0	6.5	1.0	4.3	0.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	46.70	10.56	57.26
218	Golden wattle	0.2	48.1	7.7	15.7	0.4	0.5	0.00	0.03	0.01	0.00	0.00	0.00	0.50	78.50	79.00
219	Golden wattle	0.1	34.2	5.5	11.4	0.3	0.4	0.00	0.02	0.00	0.00	0.00	0.00	0.35	55.88	56.23
220	Golden wattle	0.7	176.6	28.3	53.7	1.4	1.8	0.00	0.12	0.02	0.01	0.00	0.00	1.82	288.20	290.02
221	Narrow-leaved box	0.0	9.7	1.6	7.1	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	69.58	15.74	85.31
222	Narrow-leaved box	2.5	665.0	106.7	420.5	5.3	13.8	0.00	0.45	0.07	0.08	0.00	0.00	4,769.60	1,078.74	5,848.34
223	White ironbark	0.1	34.5	5.5	19.2	0.3	0.6	0.00	0.02	0.00	0.00	0.00	0.00	247.49	55.98	303.47
224	Narrow-leaved box	0.0	6.4	1.0	3.9	0.1	0.1	0.00	0.00	0.00	0.00	0.00	0.00	45.76	10.35	56.11
225	Coastal wattle	0.1	38.1	6.1	13.9	0.3	0.5	0.00	0.03	0.00	0.00	0.00	0.00	0.39	62.09	62.49
226	Narrow-leaved box	0.2	47.1	7.6	26.6	0.4	0.9	0.00	0.03	0.01	0.00	0.00	0.00	337.62	76.36	413.98
227	Golden wattle	0.2	53.3	8.6	17.9	0.4	0.6	0.00	0.04	0.01	0.00	0.00	0.00	0.55	87.00	87.55
228	Golden wattle	0.2	49.2	7.9	16.0	0.4	0.5	0.00	0.03	0.01	0.00	0.00	0.00	0.51	80.31	80.82
229	Red gum eucalyptus	0.2	55.1	8.8	29.7	0.4	1.0	0.00	0.04	0.01	0.01	0.00	0.00	395.52	89.45	484.98
230	White ironbark	0.1	24.0	3.9	15.2	0.2	0.5	0.00	0.02	0.00	0.00	0.00	0.00	172.31	38.97	211.28
231	Narrow-leaved box	0.1	13.6	2.2	9.0	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	97.60	22.07	119.67
232	Narrow-leaved box	0.8	213.5	34.3	135.2	1.7	4.4	0.00	0.14	0.02	0.02	0.00	0.00	1,531.19	346.31	1,877.49
233	Narrow-leaved box	3.3	859.0	137.8	550.4	6.9	18.1	0.00	0.58	0.09	0.10	0.00	0.00	6,161.63	1,393.57	7,555.20
234	Narrow-leaved box	0.8	206.0	33.1	145.6	1.6	4.8	0.00	0.14	0.02	0.03	0.00	0.00	1,477.48	334.16	1,811.65
235	Narrow-leaved box	2.0	535.5	85.9	349.9	4.3	11.5	0.00	0.36	0.06	0.06	0.00	0.00	3,840.80	868.67	4,709.48
236	Narrow-leaved box	0.7	191.5	30.7	114.6	1.5	3.8	0.00	0.13	0.02	0.02	0.00	0.00	1,373.35	310.61	1,683.96
237	Narrow-leaved box	0.3	77.0	12.4	45.1	0.6	1.5	0.00	0.05	0.01	0.01	0.00	0.00	552.42	124.94	677.36
238	Red gum eucalyptus	0.1	16.0	2.6	12.6	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	114.87	25.98	140.85
239	Sugargum	2.1	549.6	88.2	398.6	4.4	13.1	0.00	0.37	0.06	0.07	0.00	0.00	3,942.14	891.59	4,833.73
240	Sugargum	2.4	636.5	102.1	440.2	5.1	14.5	0.00	0.43	0.07	0.08	0.00	0.00	4,565.54	1,032.58	5,598.12
241	Sugargum	1.8	466.5	74.9	350.1	3.7	11.5	0.00	0.31	0.05	0.06	0.00	0.00	3,346.29	756.83	4,103.11
242	Red gum eucalyptus	1.3	333.5	53.5	208.7	2.7	6.9	0.00	0.22	0.04	0.04	0.00	0.00	2,391.81	540.95	2,932.76
243	Narrow-leaved box	0.6	164.5	26.4	126.4	1.3	4.2	0.00	0.11	0.02	0.02	0.00	0.00	1,179.56	266.78	1,446.34
244	Narrow-leaved box	0.2	49.9	8.0	38.4	0.4	1.3	0.00	0.03	0.01	0.01	0.00	0.00	358.16	81.01	439.17
245	Narrow-leaved box	0.0	11.1	1.8	7.7	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	79.38	17.95	97.34
246	Red gum eucalyptus	0.2	57.8	9.3	30.8	0.5	1.0	0.00	0.04	0.01	0.01	0.00	0.00	414.67	93.78	508.45
247	Drooping she-oak	0.0	2.9	0.5	3.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	31.76	0.24	31.99
248	Drooping she-oak	0.2	53.9	8.6	63.4	0.4	2.1	0.00	0.04	0.01	0.01	0.00	0.00	580.47	4.38	584.85
249	Lemonscented gum	1.5	389.2	62.5	495.7	3.1	16.3	0.00	0.26	0.04	0.09	0.00	0.00	1,119.96	105.23	1,225.19
250	Red gum eucalyptus	0.0	9.9	1.6	10.8	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	70.98	16.05	87.03
251	Red gum eucalyptus	0.5	140.2	22.5	73.4	1.1	2.4	0.00	0.09	0.02	0.01	0.00	0.00	1,005.85	227.49	1,233.34
252	Red gum eucalyptus	0.5	143.8	23.1	84.4	1.1	2.8	0.00	0.10	0.02	0.02	0.00	0.00	1,031.53	233.30	1,264.83
253	Red gum eucalyptus	0.3	91.1	14.6	48.7	0.7	1.6	0.00	0.06	0.01	0.01	0.00	0.00	653.75	147.86	801.61
254	Red gum eucalyptus	0.0	7.4	1.2	6.6	0.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	53.23	12.04	65.27
255	Red gum eucalyptus	0.0	3.6	0.6	3.3	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	26.15	5.91	32.06
256	Red gum eucalyptus	0.1	34.4	5.5	24.1	0.3	0.8	0.00	0.02	0.00	0.00	0.00	0.00	246.56	55.76	302.32
257	White ironbark	5.1	1,356.4	217.7	828.3	10.8	27.2	0.00	0.91	0.15	0.15	0.01	0.01	9,729.26	2,200.46	11,929.72

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
258	Weeping bottlebrush	0.3	72.3	11.6	82.5	0.6	2.7	0.00	0.05	0.01	0.02	0.00	0.00	104.51	0.00	104.51
259	Weeping bottlebrush	0.3	73.1	11.7	86.1	0.6	2.8	0.00	0.05	0.01	0.02	0.00	0.00	105.64	0.00	105.64
260	Peppermint tree	0.4	114.2	18.3	132.8	0.9	4.4	0.00	0.08	0.01	0.02	0.00	0.00	328.63	30.88	359.51
261	Narrow-leaved box	0.6	149.2	23.9	98.5	1.2	3.2	0.00	0.10	0.02	0.02	0.00	0.00	1,070.29	242.07	1,312.35
262	Sugargum	1.2	315.4	50.6	186.5	2.5	6.1	0.00	0.21	0.03	0.03	0.00	0.00	2,262.46	511.70	2,774.15
263	River she-oak	0.2	52.1	8.4	49.4	0.4	1.6	0.00	0.04	0.01	0.01	0.00	0.00	373.57	2.82	376.39
264	Narrow-leaved box	0.6	159.0	25.5	104.4	1.3	3.4	0.00	0.11	0.02	0.02	0.00	0.00	1,140.80	258.01	1,398.81
265	Red gum eucalyptus	0.9	225.3	36.1	126.2	1.8	4.2	0.00	0.15	0.02	0.02	0.00	0.00	1,615.71	365.42	1,981.13
266	White ironbark	0.4	97.2	15.6	56.4	0.8	1.9	0.00	0.07	0.01	0.01	0.00	0.00	697.18	157.68	854.86
267	Red gum eucalyptus	1.6	410.8	65.9	233.4	3.3	7.7	0.00	0.28	0.04	0.04	0.00	0.00	2,946.56	666.42	3,612.98
268	White ironbark	0.3	70.6	11.3	48.7	0.6	1.6	0.00	0.05	0.01	0.01	0.00	0.00	506.66	114.59	621.25
269	Narrow-leaved box	0.9	243.8	39.1	141.5	1.9	4.7	0.00	0.16	0.03	0.03	0.00	0.00	1,748.79	395.52	2,144.31
270	White ironbark	0.5	129.2	20.7	80.8	1.0	2.7	0.00	0.09	0.01	0.01	0.00	0.00	926.93	209.64	1,136.57
271	Red gum eucalyptus	6.0	1,586.5	254.6	899.3	12.7	29.6	0.00	1.07	0.17	0.17	0.01	0.01	11,379.06	2,573.59	13,952.64
272	Red gum eucalyptus	0.1	26.1	4.2	16.1	0.2	0.5	0.00	0.02	0.00	0.00	0.00	0.00	187.25	42.35	229.60
273	Red gum eucalyptus	0.1	13.5	2.2	8.2	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	96.66	21.86	118.52
274	Red gum eucalyptus	0.0	7.0	1.1	5.1	0.1	0.2	0.00	0.00	0.00	0.00	0.00	0.00	50.43	11.41	61.84
275	Red gum eucalyptus	0.0	11.1	1.8	6.7	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	79.38	17.95	97.34
276	Red gum eucalyptus	0.0	4.6	0.7	2.7	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	32.69	7.39	40.08
277	Drooping melaleuca	0.7	179.8	28.9	195.7	1.4	6.4	0.00	0.12	0.02	0.04	0.00	0.00	407.19	0.00	407.19
278	Desert ash	0.2	43.4	7.0	62.3	0.3	2.1	0.00	0.03	0.00	0.01	0.00	0.00	0.60	2.79	3.39
279	Desert ash	1.1	279.0	44.8	304.1	2.2	10.0	0.00	0.19	0.03	0.06	0.00	0.00	3.84	17.93	21.77
280	Stiffleaf cheesewood	0.0	3.5	0.6	4.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	Stiffleaf cheesewood	0.0	5.9	1.0	7.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	Stiffleaf cheesewood	0.0	4.0	0.6	4.2	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	Stiffleaf cheesewood	0.0	9.6	1.5	11.4	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	Stiffleaf cheesewood	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	peppertree spp	0.4	99.7	16.0	156.2	0.8	5.1	0.00	0.07	0.01	0.03	0.00	0.00	0.00	183.38	183.38
286	Orange wattle	0.2	41.3	6.6	18.0	0.3	0.6	0.00	0.03	0.00	0.00	0.00	0.00	0.43	67.35	67.77
287	Narrow-leaved box	1.0	276.6	44.4	192.1	2.2	6.3	0.00	0.19	0.03	0.04	0.00	0.00	1,983.68	448.65	2,432.32
288	European Olive	0.1	38.7	6.2	40.7	0.3	1.3	0.00	0.03	0.00	0.01	0.00	0.00	0.60	9.43	10.03
289	European Olive	0.0	5.8	0.9	16.6	0.0	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.40	1.49
290	Narrow-leaved box	0.2	42.1	6.8	36.8	0.3	1.2	0.00	0.03	0.00	0.01	0.00	0.00	302.13	68.33	370.46
291	Narrow-leaved box	2.4	642.0	103.0	389.1	5.1	12.8	0.00	0.43	0.07	0.07	0.00	0.00	4,604.76	1,041.45	5,646.22
292	European Olive	0.2	50.3	8.1	53.7	0.4	1.8	0.00	0.03	0.01	0.01	0.00	0.00	0.77	12.25	13.03
293	peppertree spp	1.2	319.0	51.2	359.9	2.5	11.8	0.00	0.21	0.03	0.07	0.00	0.00	0.00	586.54	586.54
294	European Olive	0.2	58.9	9.5	67.2	0.5	2.2	0.00	0.04	0.01	0.01	0.00	0.00	0.91	14.36	15.27
295	European Olive	0.3	78.5	12.6	89.6	0.6	2.9	0.00	0.05	0.01	0.02	0.00	0.00	1.21	19.12	20.32
296	European Olive	0.9	236.7	38.0	241.7	1.9	8.0	0.00	0.16	0.03	0.04	0.00	0.00	3.64	57.68	61.32
297	European Olive	0.4	104.7	16.8	129.7	0.8	4.3	0.00	0.07	0.01	0.02	0.00	0.00	1.61	25.52	27.13
298	European Olive	0.2	63.2	10.1	63.9	0.5	2.1	0.00	0.04	0.01	0.01	0.00	0.00	0.97	15.40	16.37
299	Orange cotoneaster	0.1	33.9	5.4	41.7	0.3	1.4	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
300	Drooping she-oak	0.0	2.4	0.4	5.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	25.68	0.19	25.88
301	Red gum eucalyptus	0.4	104.6	16.8	57.2	0.8	1.9	0.00	0.07	0.01	0.01	0.00	0.00	750.42	169.72	920.14

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
302	Mugga ironbark	0.6	168.4	27.0	88.7	1.3	2.9	0.00	0.11	0.02	0.02	0.00	0.00	1,208.04	273.22	1,481.27
303	Sugargum	2.7	720.0	115.5	469.7	5.8	15.5	0.00	0.48	0.08	0.09	0.00	0.00	5,164.19	1,167.98	6,332.17
304	gum spp	0.3	78.6	12.6	49.4	0.6	1.6	0.00	0.05	0.01	0.01	0.00	0.00	563.63	127.48	691.10
305	Red gum eucalyptus	0.2	52.6	8.4	31.5	0.4	1.0	0.00	0.04	0.01	0.01	0.00	0.00	377.31	85.34	462.65
306	Narrow-leaved box	0.0	4.4	0.7	26.8	0.0	0.9	0.00	0.00	0.00	0.00	0.00	0.00	31.75	7.18	38.94
307	Drooping she-oak	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
308	Drooping she-oak	0.0	7.8	1.3	8.7	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	84.52	0.64	85.16
309	Drooping she-oak	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310	Drooping she-oak	0.0	6.0	1.0	6.8	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	64.91	0.49	65.40
311	Drooping she-oak	0.0	3.9	0.6	4.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	42.50	0.32	42.82
312	Drooping she-oak	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
313	Drooping she-oak	0.0	2.2	0.4	2.8	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	23.82	0.18	24.00
314	Drooping she-oak	0.0	2.3	0.4	2.9	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	25.22	0.19	25.41
315	Drooping she-oak	0.0	3.4	0.5	4.3	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	36.89	0.28	37.17
316	Drooping she-oak	0.0	4.6	0.7	5.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.37	49.87
317	Drooping she-oak	0.0	3.5	0.6	4.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	37.83	0.29	38.11
318	Drooping she-oak	0.0	2.4	0.4	2.9	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	25.68	0.19	25.88
319	Drooping she-oak	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Drooping she-oak	0.0	2.6	0.4	3.4	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	27.56	0.21	27.76
321	Drooping she-oak	0.0	2.5	0.4	3.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	27.09	0.20	27.29
322	Drooping she-oak	0.0	1.6	0.3	2.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	17.28	0.13	17.41
323	Drooping she-oak	0.0	5.7	0.9	6.7	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	61.64	0.46	62.11
324	Drooping she-oak	0.1	16.0	2.6	15.9	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	171.85	1.30	173.15
325	Drooping she-oak	0.0	7.0	1.1	7.9	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	75.66	0.57	76.23
326	White ironbark	0.3	76.1	12.2	52.9	0.6	1.7	0.00	0.05	0.01	0.01	0.00	0.00	545.88	123.46	669.35
327	Drooping she-oak	0.0	3.1	0.5	3.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	33.16	0.25	33.41
328	Drooping she-oak	0.0	6.9	1.1	8.0	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	74.25	0.56	74.81
329	Drooping she-oak	0.0	4.5	0.7	6.7	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	48.10	0.36	48.46
330	Drooping she-oak	0.0	5.5	0.9	7.8	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	59.31	0.45	59.75
331	Drooping she-oak	0.0	2.1	0.3	2.7	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	22.41	0.17	22.58
332	Drooping she-oak	0.0	4.9	0.8	5.9	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	52.30	0.39	52.70
333	Drooping she-oak	0.0	5.5	0.9	7.3	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	59.77	0.45	60.23
334	Drooping she-oak	0.1	21.4	3.4	32.3	0.2	1.1	0.00	0.01	0.00	0.01	0.00	0.00	230.23	1.74	231.96
335	Drooping she-oak	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
336	Victorian box	0.0	11.9	1.9	15.0	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337	Monterey pine	0.0	2.3	0.4	2.5	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.02	3.80	3.82
338	White ironbark	1.3	335.3	53.8	194.2	2.7	6.4	0.00	0.23	0.04	0.04	0.00	0.00	2,404.88	543.91	2,948.79
339	Drooping melaleuca	0.5	142.3	22.8	145.8	1.1	4.8	0.00	0.10	0.02	0.03	0.00	0.00	322.13	0.00	322.13
340	Red gum eucalyptus	8.0	2,114.1	339.2	1,291.9	16.9	42.5	0.00	1.42	0.23	0.24	0.01	0.01	15,163.82	3,429.59	18,593.41
341	Red gum eucalyptus	0.2	56.2	9.0	36.9	0.4	1.2	0.00	0.04	0.01	0.01	0.00	0.00	402.99	91.14	494.14
342	Red gum eucalyptus	1.2	314.6	50.5	177.2	2.5	5.8	0.00	0.21	0.03	0.03	0.00	0.00	2,256.85	510.43	2,767.28
343	Vinegartree	0.3	88.4	14.2	87.8	0.7	2.9	0.00	0.06	0.01	0.02	0.00	0.00	254.45	23.91	278.36
344	Crimson bottlebrush	0.0	5.9	1.0	6.7	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	8.56	0.00	8.56
345	Red gum eucalyptus	0.7	192.7	30.9	115.4	1.5	3.8	0.00	0.13	0.02	0.02	0.00	0.00	1,382.22	312.62	1,694.84

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
346	Narrow-leaved box	1.1	287.3	46.1	205.3	2.3	6.8	0.00	0.19	0.03	0.04	0.00	0.00	2,060.73	466.07	2,526.80
347	Inland Red Box	2.0	525.8	84.4	356.4	4.2	11.7	0.00	0.35	0.06	0.07	0.00	0.00	3,771.23	852.93	4,624.16
348	Vinegartree	0.3	86.8	13.9	94.2	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	249.76	23.47	273.23
349	White ironbark	0.5	123.8	19.9	83.5	1.0	2.7	0.00	0.08	0.01	0.02	0.00	0.00	888.17	200.88	1,089.05
350	White ironbark	0.3	90.7	14.6	55.7	0.7	1.8	0.00	0.06	0.01	0.01	0.00	0.00	650.49	147.12	797.60
351	Red gum eucalyptus	1.7	447.3	71.8	239.6	3.6	7.9	0.00	0.30	0.05	0.04	0.00	0.00	3,208.06	725.56	3,933.63
352	Red gum eucalyptus	3.6	959.7	154.0	544.0	7.7	17.9	0.00	0.65	0.10	0.10	0.00	0.00	6,883.56	1,556.85	8,440.41
353	Inland Red Box	3.4	897.6	144.0	544.0	7.2	17.9	0.00	0.60	0.10	0.10	0.00	0.00	6,438.08	1,456.09	7,894.17
354	Red gum eucalyptus	0.7	174.6	28.0	90.5	1.4	3.0	0.00	0.12	0.02	0.02	0.00	0.00	1,252.41	283.26	1,535.66
355	peppertree spp	0.2	60.8	9.8	59.9	0.5	2.0	0.00	0.04	0.01	0.01	0.00	0.00	0.00	111.80	111.80
356	White ironbark	4.1	1,094.9	175.7	686.6	8.8	22.6	0.00	0.74	0.12	0.13	0.00	0.00	7,852.99	1,776.10	9,629.09
357	European Olive	0.4	111.9	18.0	106.2	0.9	3.5	0.00	0.08	0.01	0.02	0.00	0.00	1.72	27.27	28.99
358	Kurrajong	0.5	128.6	20.6	120.5	1.0	4.0	0.00	0.09	0.01	0.02	0.00	0.00	0.00	0.00	0.00
359	European Olive	0.4	98.5	15.8	108.7	0.8	3.6	0.00	0.07	0.01	0.02	0.00	0.00	1.52	24.00	25.51
360	Desert ash	0.3	92.2	14.8	115.3	0.7	3.8	0.00	0.06	0.01	0.02	0.00	0.00	1.27	5.93	7.19
361	European Olive	0.3	83.7	13.4	86.5	0.7	2.8	0.00	0.06	0.01	0.02	0.00	0.00	1.29	20.39	21.68
362	River she-oak	1.2	314.0	50.4	316.0	2.5	10.4	0.00	0.21	0.03	0.06	0.00	0.00	2,252.19	16.98	2,269.17
363	Weeping bottlebrush	0.2	57.6	9.2	59.0	0.5	1.9	0.00	0.04	0.01	0.01	0.00	0.00	83.16	0.00	83.16
364	Kurrajong	1.0	254.6	40.8	238.2	2.0	7.8	0.00	0.17	0.03	0.04	0.00	0.00	0.00	0.00	0.00
365	peppertree spp	1.7	460.3	73.9	482.7	3.7	15.9	0.00	0.31	0.05	0.09	0.00	0.00	0.00	846.29	846.29
366	acacia spp	0.1	23.6	3.8	9.8	0.2	0.3	0.00	0.02	0.00	0.00	0.00	0.00	0.24	38.47	38.72
367	Weeping bottlebrush	0.0	10.6	1.7	14.1	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	15.33	0.00	15.33
368	Weeping bottlebrush	0.1	14.3	2.3	17.2	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	20.70	0.00	20.70
369	Weeping bottlebrush	0.0	8.9	1.4	10.0	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	12.79	0.00	12.79
370	Weeping bottlebrush	0.1	16.2	2.6	16.2	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	23.42	0.00	23.42
371	Weeping bottlebrush	0.1	22.7	3.6	25.4	0.2	0.8	0.00	0.02	0.00	0.00	0.00	0.00	32.74	0.00	32.74
372	Weeping bottlebrush	0.0	9.4	1.5	12.5	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	13.64	0.00	13.64
373	Weeping bottlebrush	0.0	10.7	1.7	14.5	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	15.43	0.00	15.43
374	Weeping bottlebrush	0.1	18.6	3.0	19.8	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	26.81	0.00	26.81
375	Weeping bottlebrush	0.0	12.8	2.0	14.1	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	18.44	0.00	18.44
376	Weeping bottlebrush	0.1	23.8	3.8	28.0	0.2	0.9	0.00	0.02	0.00	0.01	0.00	0.00	34.43	0.00	34.43
377	Primrose tree	0.3	83.1	13.3	86.3	0.7	2.8	0.00	0.06	0.01	0.02	0.00	0.00	0.00	0.00	0.00
378	Primrose tree	0.4	92.7	14.9	93.0	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	0.00	0.00	0.00
379	Weeping bottlebrush	0.0	10.0	1.6	12.9	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	14.39	0.00	14.39
380	Weeping bottlebrush	0.0	7.5	1.2	9.2	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	10.82	0.00	10.82
381	Weeping bottlebrush	0.0	11.1	1.8	14.8	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	15.99	0.00	15.99
382	Weeping bottlebrush	0.0	12.2	2.0	15.0	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	17.69	0.00	17.69
383	Weeping bottlebrush	0.1	18.2	2.9	21.3	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	26.34	0.00	26.34
384	Weeping bottlebrush	0.1	23.3	3.7	28.1	0.2	0.9	0.00	0.02	0.00	0.01	0.00	0.00	33.68	0.00	33.68
385	Weeping bottlebrush	0.1	14.5	2.3	17.7	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	20.88	0.00	20.88
386	Weeping bottlebrush	0.1	38.2	6.1	40.8	0.3	1.3	0.00	0.03	0.00	0.01	0.00	0.00	55.22	0.00	55.22
387	Queensland pittosporum	0.1	28.2	4.5	29.6	0.2	1.0	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
388	European Olive	0.3	85.7	13.8	98.3	0.7	3.2	0.00	0.06	0.01	0.02	0.00	0.00	1.32	20.88	22.20
389	European Olive	0.3	89.1	14.3	97.7	0.7	3.2	0.00	0.06	0.01	0.02	0.00	0.00	1.37	21.71	23.09

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
390	European Olive	0.1	18.8	3.0	37.9	0.2	1.2	0.00	0.01	0.00	0.01	0.00	0.00	0.29	4.58	4.87
391	European Olive	0.2	44.6	7.2	90.1	0.4	3.0	0.00	0.03	0.00	0.02	0.00	0.00	0.69	10.88	11.57
392	European Olive	0.0	5.6	0.9	12.4	0.0	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.37	1.46
393	European Olive	0.0	2.1	0.3	3.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.51	0.54
394	European Olive	0.0	3.6	0.6	4.8	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.88	0.93
395	European Olive	0.1	25.2	4.0	38.0	0.2	1.3	0.00	0.02	0.00	0.01	0.00	0.00	0.39	6.14	6.52
396	European Olive	0.0	4.2	0.7	7.0	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.04	1.10
397	European Olive	0.0	4.5	0.7	7.4	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.09	1.16
398	European Olive	0.0	2.2	0.3	2.9	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.53	0.56
399	European Olive	0.1	13.7	2.2	15.4	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	0.21	3.35	3.56
400	European Olive	0.3	84.3	13.5	102.1	0.7	3.4	0.00	0.06	0.01	0.02	0.00	0.00	1.30	20.53	21.83
401	European Olive	0.6	151.9	24.4	175.7	1.2	5.8	0.00	0.10	0.02	0.03	0.00	0.00	2.34	37.02	39.36
402	European Olive	0.0	5.6	0.9	8.0	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.36	1.45
403	European Olive	0.1	27.6	4.4	41.3	0.2	1.4	0.00	0.02	0.00	0.01	0.00	0.00	0.42	6.72	7.14
404	European Olive	0.3	71.1	11.4	81.6	0.6	2.7	0.00	0.05	0.01	0.02	0.00	0.00	1.09	17.32	18.42
405	European Olive	0.2	46.6	7.5	49.1	0.4	1.6	0.00	0.03	0.01	0.01	0.00	0.00	0.72	11.35	12.07
406	European Olive	0.1	13.7	2.2	20.6	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.21	3.33	3.54
407	European Olive	0.1	20.7	3.3	22.9	0.2	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.32	5.05	5.37
408	Red gum eucalyptus	4.2	1,122.1	180.1	639.4	9.0	21.0	0.00	0.76	0.12	0.12	0.00	0.00	8,048.18	1,820.25	9,868.43
409	European Olive	0.0	3.4	0.5	5.4	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.83	0.89
410	European Olive	0.0	7.3	1.2	8.3	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.78	1.90
411	European Olive	0.0	5.5	0.9	8.7	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.34	1.43
412	European Olive	0.0	3.6	0.6	4.4	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.87	0.92
413	European Olive	0.2	44.0	7.1	48.1	0.4	1.6	0.00	0.03	0.00	0.01	0.00	0.00	0.68	10.73	11.41
414	European Olive	0.1	15.0	2.4	19.9	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.23	3.65	3.89
415	European Olive	0.2	49.6	8.0	69.7	0.4	2.3	0.00	0.03	0.01	0.01	0.00	0.00	0.76	12.09	12.86
416	European Olive	0.1	22.1	3.5	31.0	0.2	1.0	0.00	0.01	0.00	0.01	0.00	0.00	0.34	5.38	5.72
417	European Olive	0.0	6.6	1.1	9.0	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.62	1.72
418	European Olive	0.3	67.2	10.8	72.4	0.5	2.4	0.00	0.05	0.01	0.01	0.00	0.00	1.03	16.38	17.42
419	European Olive	0.1	24.3	3.9	33.1	0.2	1.1	0.00	0.02	0.00	0.01	0.00	0.00	0.37	5.93	6.30
420	European Olive	0.3	77.5	12.4	79.2	0.6	2.6	0.00	0.05	0.01	0.01	0.00	0.00	1.19	18.89	20.09
421	European Olive	0.2	60.1	9.6	73.8	0.5	2.4	0.00	0.04	0.01	0.01	0.00	0.00	0.92	14.64	15.56
422	European Olive	0.1	29.1	4.7	32.3	0.2	1.1	0.00	0.02	0.00	0.01	0.00	0.00	0.45	7.10	7.55
423	European Olive	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
424	European Olive	0.1	22.1	3.5	25.6	0.2	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.34	5.39	5.73
425	Drooping she-oak	0.0	8.1	1.3	8.2	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	87.33	0.66	87.98
426	Desert ash	0.6	147.4	23.6	177.1	1.2	5.8	0.00	0.10	0.02	0.03	0.00	0.00	2.03	9.47	11.50
427	Desert ash	0.4	99.1	15.9	131.9	0.8	4.3	0.00	0.07	0.01	0.02	0.00	0.00	1.36	6.37	7.74
428	European Olive	0.1	18.6	3.0	29.2	0.1	1.0	0.00	0.01	0.00	0.01	0.00	0.00	0.29	4.52	4.81
429	European Olive	0.1	30.8	4.9	46.4	0.2	1.5	0.00	0.02	0.00	0.01	0.00	0.00	0.47	7.50	7.97
430	European Olive	0.1	17.9	2.9	29.7	0.1	1.0	0.00	0.01	0.00	0.01	0.00	0.00	0.28	4.36	4.64
431	Desert ash	0.1	29.6	4.8	41.1	0.2	1.4	0.00	0.02	0.00	0.01	0.00	0.00	0.41	1.91	2.31
432	European Olive	0.3	74.1	11.9	101.0	0.6	3.3	0.00	0.05	0.01	0.02	0.00	0.00	1.14	18.06	19.20
433	European Olive	0.2	47.2	7.6	48.3	0.4	1.6	0.00	0.03	0.01	0.01	0.00	0.00	0.73	11.50	12.23

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
434	Desert ash	0.1	14.1	2.3	17.6	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	0.19	0.91	1.10
435	Desert ash	0.2	51.5	8.3	60.5	0.4	2.0	0.00	0.03	0.01	0.01	0.00	0.00	0.71	3.31	4.02
436	Desert ash	0.1	15.5	2.5	23.4	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.99	1.21
437	Desert ash	0.0	6.2	1.0	11.0	0.0	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.40	0.48
438	Desert ash	0.0	6.5	1.0	11.5	0.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.42	0.50
439	Desert ash	0.0	6.2	1.0	11.0	0.0	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.40	0.48
440	Desert ash	0.0	11.9	1.9	16.1	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	0.16	0.77	0.93
441	Desert ash	0.1	25.8	4.1	30.9	0.2	1.0	0.00	0.02	0.00	0.01	0.00	0.00	0.36	1.66	2.02
442	Boxelder	0.3	73.5	11.8	64.5	0.6	2.1	0.00	0.05	0.01	0.01	0.00	0.00	1.01	75.56	76.57
443	Creeping mirrorplant	0.0	8.4	1.3	9.5	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
444	European Olive	0.1	16.4	2.6	22.3	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.25	3.99	4.24
445	European Olive	0.0	5.2	0.8	8.2	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.27	1.35
446	Red gum eucalyptus	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
447	European Olive	0.3	89.3	14.3	90.2	0.7	3.0	0.00	0.06	0.01	0.02	0.00	0.00	1.37	21.76	23.13
448	Narrow-leaved box	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449	European Olive	0.0	11.2	1.8	14.8	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	0.17	2.72	2.90
450	European Olive	0.2	62.7	10.1	69.5	0.5	2.3	0.00	0.04	0.01	0.01	0.00	0.00	0.96	15.27	16.24
451	Narrow-leaved box	0.8	218.9	35.1	129.0	1.7	4.2	0.00	0.15	0.02	0.02	0.00	0.00	1,570.41	355.18	1,925.59
452	European Olive	0.1	22.1	3.6	29.4	0.2	1.0	0.00	0.01	0.00	0.01	0.00	0.00	0.34	5.40	5.74
453	Red gum eucalyptus	1.8	483.7	77.6	271.5	3.9	8.9	0.00	0.33	0.05	0.05	0.00	0.00	3,469.57	784.71	4,254.27
454	European Olive	0.0	4.5	0.7	6.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.10	1.17
455	European Olive	0.1	20.8	3.3	31.3	0.2	1.0	0.00	0.01	0.00	0.01	0.00	0.00	0.32	5.06	5.38
456	European Olive	0.1	14.6	2.4	22.1	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.23	3.57	3.80
457	European Olive	0.0	6.1	1.0	9.6	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.49	1.58
458	European Olive	0.0	12.5	2.0	17.0	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	0.19	3.04	3.23
459	European Olive	0.1	35.7	5.7	50.2	0.3	1.7	0.00	0.02	0.00	0.01	0.00	0.00	0.55	8.70	9.25
460	European Olive	0.0	2.4	0.4	3.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.59	0.63
461	European Olive	0.0	10.7	1.7	21.5	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.16	2.60	2.76
462	European Olive	0.7	174.6	28.0	186.0	1.4	6.1	0.00	0.12	0.02	0.03	0.00	0.00	2.69	42.55	45.24
463	European Olive	0.2	53.0	8.5	62.2	0.4	2.0	0.00	0.04	0.01	0.01	0.00	0.00	0.82	12.92	13.73
464	European Olive	0.1	17.6	2.8	24.7	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.27	4.30	4.57
465	European Olive	0.1	35.1	5.6	46.5	0.3	1.5	0.00	0.02	0.00	0.01	0.00	0.00	0.54	8.55	9.10
466	European Olive	0.0	3.6	0.6	4.8	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.88	0.93
467	European Olive	0.1	18.2	2.9	20.5	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.28	4.45	4.73
468	European Olive	0.3	91.0	14.6	100.4	0.7	3.3	0.00	0.06	0.01	0.02	0.00	0.00	1.40	22.17	23.57
469	European Olive	0.5	128.2	20.6	147.5	1.0	4.9	0.00	0.09	0.01	0.03	0.00	0.00	1.97	31.23	33.20
470	European Olive	0.3	83.6	13.4	94.2	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	1.29	20.37	21.66
471	European Olive	0.2	44.6	7.2	64.1	0.4	2.1	0.00	0.03	0.00	0.01	0.00	0.00	0.69	10.88	11.57
472	European Olive	0.1	19.9	3.2	26.9	0.2	0.9	0.00	0.01	0.00	0.00	0.00	0.00	0.31	4.86	5.17
473	European Olive	0.1	37.3	6.0	54.2	0.3	1.8	0.00	0.03	0.00	0.01	0.00	0.00	0.57	9.09	9.67
474	European Olive	0.2	45.0	7.2	46.3	0.4	1.5	0.00	0.03	0.00	0.01	0.00	0.00	0.69	10.97	11.67
475	European Olive	0.4	93.8	15.1	106.5	0.8	3.5	0.00	0.06	0.01	0.02	0.00	0.00	1.44	22.87	24.31
476	European Olive	0.2	47.6	7.6	66.9	0.4	2.2	0.00	0.03	0.01	0.01	0.00	0.00	0.73	11.61	12.34
477	European Olive	0.2	45.8	7.4	53.1	0.4	1.7	0.00	0.03	0.00	0.01	0.00	0.00	0.71	11.16	11.87

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
478	European Olive	0.0	6.2	1.0	6.3	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.52	1.62
479	European Olive	0.1	39.5	6.3	47.4	0.3	1.6	0.00	0.03	0.00	0.01	0.00	0.00	0.61	9.63	10.24
480	European Olive	0.3	85.2	13.7	90.5	0.7	3.0	0.00	0.06	0.01	0.02	0.00	0.00	1.31	20.76	22.08
481	European Olive	0.3	84.1	13.5	95.2	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	1.29	20.49	21.78
482	European Olive	0.0	1.9	0.3	5.4	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.46	0.49
483	European Olive	0.0	5.2	0.8	11.5	0.0	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.27	1.35
484	European Olive	0.2	53.9	8.6	52.2	0.4	1.7	0.00	0.04	0.01	0.01	0.00	0.00	0.83	13.13	13.96
485	European Olive	0.2	50.5	8.1	55.7	0.4	1.8	0.00	0.03	0.01	0.01	0.00	0.00	0.78	12.29	13.07
486	European Olive	0.2	47.3	7.6	52.3	0.4	1.7	0.00	0.03	0.01	0.01	0.00	0.00	0.73	11.52	12.25
487	European Olive	0.1	19.6	3.1	24.1	0.2	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.30	4.77	5.08
488	European Olive	0.1	17.0	2.7	23.1	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.26	4.14	4.40
489	European Olive	0.4	107.2	17.2	110.2	0.9	3.6	0.00	0.07	0.01	0.02	0.00	0.00	1.65	26.13	27.78
490	European Olive	0.0	2.4	0.4	3.3	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.58	0.62
491	European Olive	0.0	5.3	0.9	6.2	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.30	1.38
492	European Olive	0.4	96.4	15.5	107.1	0.8	3.5	0.00	0.06	0.01	0.02	0.00	0.00	1.48	23.48	24.96
493	European Olive	0.2	53.8	8.6	67.3	0.4	2.2	0.00	0.04	0.01	0.01	0.00	0.00	0.83	13.11	13.93
494	European Olive	0.1	28.5	4.6	35.4	0.2	1.2	0.00	0.02	0.00	0.01	0.00	0.00	0.44	6.94	7.38
495	European Olive	0.0	3.0	0.5	4.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.74	0.79
496	European Olive	0.2	53.4	8.6	57.4	0.4	1.9	0.00	0.04	0.01	0.01	0.00	0.00	0.82	13.00	13.82
497	Narrow-leaved box	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
498	European Olive	0.4	105.0	16.8	135.8	0.8	4.5	0.00	0.07	0.01	0.03	0.00	0.00	1.62	25.58	27.20
499	European Olive	0.2	45.5	7.3	43.7	0.4	1.4	0.00	0.03	0.00	0.01	0.00	0.00	0.70	11.09	11.79
500	European Olive	0.0	5.2	0.8	12.1	0.0	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.27	1.35
501	Weeping bottlebrush	0.6	166.0	26.6	152.7	1.3	5.0	0.00	0.11	0.02	0.03	0.00	0.00	239.88	0.00	239.88
502	Weeping bottlebrush	0.1	20.6	3.3	22.0	0.2	0.7	0.00	0.01	0.00	0.00	0.00	0.00	29.73	0.00	29.73
503	Weeping bottlebrush	0.1	25.4	4.1	26.3	0.2	0.9	0.00	0.02	0.00	0.00	0.00	0.00	36.69	0.00	36.69
504	Weeping bottlebrush	0.1	18.6	3.0	24.1	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	26.90	0.00	26.90
505	Red gum eucalyptus	4.0	1,046.1	167.9	602.6	8.4	19.8	0.00	0.70	0.11	0.11	0.00	0.00	7,503.23	1,697.00	9,200.23
506	Red gum eucalyptus	2.9	763.9	122.6	428.3	6.1	14.1	0.00	0.51	0.08	0.08	0.00	0.00	5,479.39	1,239.27	6,718.66
507	Spotted gum	0.0	5.1	0.8	5.4	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	14.80	1.39	16.19
508	Lemonscented gum	0.8	218.4	35.0	228.2	1.7	7.5	0.00	0.15	0.02	0.04	0.00	0.00	628.36	59.04	687.40
509	White ironbark	0.0	8.5	1.4	6.4	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	61.17	13.84	75.01
510	White ironbark	0.8	222.5	35.7	159.2	1.8	5.2	0.00	0.15	0.02	0.03	0.00	0.00	1,595.63	360.88	1,956.51
511	Silk oak	0.6	154.6	24.8	102.8	1.2	3.4	0.00	0.10	0.02	0.02	0.00	0.00	1.58	16.72	18.30
512	Red gum eucalyptus	1.2	311.3	49.9	173.8	2.5	5.7	0.00	0.21	0.03	0.03	0.00	0.00	2,232.57	504.94	2,737.51
513	White ironbark	3.8	998.5	160.2	611.5	8.0	20.1	0.00	0.67	0.11	0.11	0.00	0.00	7,161.88	1,619.79	8,781.67
514	European Olive	1.5	384.5	61.7	407.1	3.1	13.4	0.00	0.26	0.04	0.08	0.00	0.00	5.92	93.69	99.61
515	European Olive	1.5	384.5	61.7	407.1	3.1	13.4	0.00	0.26	0.04	0.08	0.00	0.00	5.92	93.69	99.61
516	Red gum eucalyptus	4.0	1,067.6	171.3	611.5	8.5	20.1	0.00	0.72	0.12	0.11	0.00	0.00	7,657.33	1,731.85	9,389.18
517	Red gum eucalyptus	4.0	1,067.6	171.3	611.5	8.5	20.1	0.00	0.72	0.12	0.11	0.00	0.00	7,657.33	1,731.85	9,389.18
518	Red gum eucalyptus	4.0	1,067.6	171.3	611.5	8.5	20.1	0.00	0.72	0.12	0.11	0.00	0.00	7,657.33	1,731.85	9,389.18
519	Red gum eucalyptus	1.1	299.6	48.1	164.4	2.4	5.4	0.00	0.20	0.03	0.03	0.00	0.00	2,148.98	486.03	2,635.02
520	Red gum eucalyptus	0.1	25.8	4.1	18.1	0.2	0.6	0.00	0.02	0.00	0.00	0.00	0.00	185.39	41.93	227.31
521	Red gum eucalyptus	0.1	27.9	4.5	16.4	0.2	0.5	0.00	0.02	0.00	0.00	0.00	0.00	199.86	45.20	245.06

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
522	Red gum eucalyptus	0.0	10.0	1.6	6.9	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	71.91	16.26	88.18
523	Red gum eucalyptus	0.2	46.9	7.5	24.6	0.4	0.8	0.00	0.03	0.01	0.00	0.00	0.00	336.22	76.04	412.26
524	Florida hopbush	0.0	2.6	0.4	3.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	11.98	0.00	11.98
525	Native Apricot	0.0	2.0	0.3	3.0	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526	White ironbark	0.2	46.2	7.4	31.6	0.4	1.0	0.00	0.03	0.00	0.01	0.00	0.00	331.55	74.99	406.53
527	Red gum eucalyptus	0.8	222.7	35.7	120.5	1.8	4.0	0.00	0.15	0.02	0.02	0.00	0.00	1,597.03	361.20	1,958.23
528	River she-oak	0.0	5.0	0.8	6.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	35.96	0.27	36.23
529	European Olive	0.0	5.5	0.9	6.0	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.35	1.44
530	Red gum eucalyptus	2.9	767.4	123.1	456.8	6.1	15.0	0.00	0.52	0.08	0.08	0.00	0.00	5,504.14	1,244.87	6,749.01
531	Golden wattle	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532	Paradox acacia	0.2	44.7	7.2	18.4	0.4	0.6	0.00	0.03	0.00	0.00	0.00	0.00	0.46	72.98	73.44
533	Florida hopbush	0.0	9.2	1.5	15.3	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	42.55	0.00	42.55
534	Red gum eucalyptus	0.3	81.7	13.1	50.0	0.7	1.6	0.00	0.05	0.01	0.01	0.00	0.00	586.04	132.54	718.59
535	Florida hopbush	0.0	6.4	1.0	11.3	0.1	0.4	0.00	0.00	0.00	0.00	0.00	0.00	29.66	0.00	29.66
536	Golden wattle	0.1	35.1	5.6	12.7	0.3	0.4	0.00	0.02	0.00	0.00	0.00	0.00	0.36	57.26	57.62
537	acacia spp	0.2	39.6	6.4	14.3	0.3	0.5	0.00	0.03	0.00	0.00	0.00	0.00	0.41	64.64	65.05
538	Wallangara Wattle	0.4	105.8	17.0	35.7	0.8	1.2	0.00	0.07	0.01	0.01	0.00	0.00	1.09	172.62	173.71
539	Red gum eucalyptus	0.1	15.9	2.5	10.4	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	113.94	25.77	139.71
540	Florida hopbush	0.0	10.5	1.7	15.0	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	48.24	0.00	48.24
541	Golden wattle	0.0	4.6	0.7	2.7	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.05	7.54	7.59
542	Florida hopbush	0.1	37.8	6.1	50.0	0.3	1.6	0.00	0.03	0.00	0.01	0.00	0.00	173.78	0.00	173.78
543	Wallangara Wattle	0.3	77.1	12.4	30.9	0.6	1.0	0.00	0.05	0.01	0.01	0.00	0.00	0.80	125.88	126.68
544	Desert ash	0.0	4.2	0.7	5.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.27	0.33
545	Red gum eucalyptus	4.6	1,210.3	194.2	657.2	9.7	21.6	0.00	0.81	0.13	0.12	0.00	0.00	8,680.92	1,963.35	10,644.27
546	Red gum eucalyptus	0.1	21.3	3.4	14.4	0.2	0.5	0.00	0.01	0.00	0.00	0.00	0.00	152.70	34.54	187.23
547	Red gum eucalyptus	1.2	326.7	52.4	190.2	2.6	6.3	0.00	0.22	0.04	0.04	0.00	0.00	2,343.24	529.97	2,873.21
548	White ironbark	0.5	144.3	23.2	81.0	1.2	2.7	0.00	0.10	0.02	0.01	0.00	0.00	1,035.27	234.15	1,269.41
549	White ironbark	0.0	4.6	0.7	3.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	32.69	7.39	40.08
550	Desert ash	0.2	57.6	9.3	78.1	0.5	2.6	0.00	0.04	0.01	0.01	0.00	0.00	0.79	3.71	4.50
551	Desert ash	2.6	676.9	108.6	762.5	5.4	25.1	0.00	0.46	0.07	0.14	0.00	0.00	9.32	43.51	52.83
552	Desert ash	0.0	5.9	0.9	9.2	0.0	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.38	0.46
553	Florida hopbush	0.0	7.9	1.3	9.6	0.1	0.3	0.00	0.01	0.00	0.00	0.00	0.00	36.55	0.00	36.55
554	Red gum eucalyptus	8.4	2,207.0	354.1	1,219.4	17.6	40.1	0.00	1.49	0.24	0.23	0.01	0.01	15,830.19	3,580.30	19,410.48
555	White ironbark	0.1	37.2	6.0	23.4	0.3	0.8	0.00	0.03	0.00	0.00	0.00	0.00	266.64	60.31	326.94
556	Sugargum	1.2	329.0	52.8	182.2	2.6	6.0	0.00	0.22	0.04	0.03	0.00	0.00	2,359.59	533.66	2,893.25
557	White ironbark	0.2	45.9	7.4	28.4	0.4	0.9	0.00	0.03	0.00	0.01	0.00	0.00	329.21	74.46	403.67
558	Narrow-leaved box	0.1	29.9	4.8	23.5	0.2	0.8	0.00	0.02	0.00	0.00	0.00	0.00	214.34	48.48	262.81
559	Narrow-leaved box	0.2	43.2	6.9	27.2	0.3	0.9	0.00	0.03	0.00	0.01	0.00	0.00	310.07	70.13	380.19
560	Red gum eucalyptus	0.9	250.1	40.1	144.2	2.0	4.7	0.00	0.17	0.03	0.03	0.00	0.00	1,794.09	405.77	2,199.85
561	Desert ash	0.1	29.8	4.8	42.2	0.2	1.4	0.00	0.02	0.00	0.01	0.00	0.00	0.41	1.91	2.32
562	Desert ash	0.0	12.4	2.0	18.7	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	0.17	0.80	0.97
563	Desert ash	0.1	15.8	2.5	23.6	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.22	1.01	1.23
564	Desert ash	0.1	17.2	2.8	22.9	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.24	1.11	1.34
565	Desert ash	0.1	16.3	2.6	19.9	0.1	0.7	0.00	0.01	0.00	0.00	0.00	0.00	0.22	1.05	1.27

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
566	Desert ash	0.6	145.9	23.4	178.7	1.2	5.9	0.00	0.10	0.02	0.03	0.00	0.00	2.01	9.38	11.39
567	Desert ash	0.0	6.8	1.1	8.8	0.1	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.44	0.53
568	Desert ash	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569	Desert ash	0.6	148.0	23.7	164.3	1.2	5.4	0.00	0.10	0.02	0.03	0.00	0.00	2.04	9.51	11.55
570	Dutch elm	0.0	3.3	0.5	5.1	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.21	0.26
571	Desert ash	0.0	2.3	0.4	3.9	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.18
572	Dutch elm	0.1	16.4	2.6	24.3	0.1	0.8	0.00	0.01	0.00	0.00	0.00	0.00	0.23	1.05	1.28
573	Spotted gum	0.0	6.0	1.0	6.0	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	17.24	1.62	18.86
574	Weeping bottlebrush	0.0	0.8	0.1	2.1	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	1.13
575	Weeping bottlebrush	0.1	31.5	5.1	36.7	0.3	1.2	0.00	0.02	0.00	0.01	0.00	0.00	45.53	0.00	45.53
576	Desert ash	0.0	1.0	0.2	1.6	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.07
577	European Olive	0.0	3.4	0.5	4.6	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.82	0.88
578	Weeping bottlebrush	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
579	California privet	0.0	11.5	1.8	11.7	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
580	Weeping bottlebrush	0.0	10.0	1.6	15.0	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	14.39	0.00	14.39
581	European Olive	0.0	4.6	0.7	5.2	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.11	1.18
582	California privet	0.1	27.6	4.4	23.6	0.2	0.8	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
583	Weeping bottlebrush	0.1	16.0	2.6	19.6	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	23.05	0.00	23.05
584	Weeping bottlebrush	0.1	14.8	2.4	18.3	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	21.45	0.00	21.45
585	Orange wattle	2.4	632.5	101.5	209.1	5.1	6.9	0.00	0.43	0.07	0.04	0.00	0.00	6.53	1,032.01	1,038.54
586	melaleuca spp	0.0	3.8	0.6	5.7	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	8.55	0.00	8.55
587	melaleuca spp	0.0	3.3	0.5	4.4	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	7.37	0.00	7.37
588	Orange wattle	2.4	630.1	101.1	204.2	5.0	6.7	0.00	0.42	0.07	0.04	0.00	0.00	6.51	1,028.08	1,034.58
589	Orange wattle	2.2	577.7	92.7	186.8	4.6	6.1	0.00	0.39	0.06	0.03	0.00	0.00	5.97	942.67	948.63
590	melaleuca spp	0.0	2.4	0.4	3.8	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	5.45	0.00	5.45
591	Florida hopbush	0.2	61.5	9.9	70.8	0.5	2.3	0.00	0.04	0.01	0.01	0.00	0.00	283.14	0.00	283.14
592	Pine-leaved Bottlebrush	0.2	46.2	7.4	57.1	0.4	1.9	0.00	0.03	0.00	0.01	0.00	0.00	66.70	0.00	66.70
593	Red gum eucalyptus	0.6	155.8	25.0	75.7	1.2	2.5	0.00	0.10	0.02	0.01	0.00	0.00	1,117.45	252.73	1,370.19
594	Red gum eucalyptus	0.0	10.2	1.6	7.0	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	72.85	16.48	89.32
595	Red gum eucalyptus	1.3	354.7	56.9	195.5	2.8	6.4	0.00	0.24	0.04	0.04	0.00	0.00	2,544.04	575.38	3,119.42
596	Red gum eucalyptus	3.6	949.6	152.4	529.7	7.6	17.4	0.00	0.64	0.10	0.10	0.00	0.00	6,811.18	1,540.48	8,351.66
597	Red gum eucalyptus	2.8	727.1	116.7	413.2	5.8	13.6	0.00	0.49	0.08	0.08	0.00	0.00	5,215.56	1,179.60	6,395.15
598	White ironbark	0.1	34.0	5.5	24.4	0.3	0.8	0.00	0.02	0.00	0.00	0.00	0.00	243.76	55.13	298.89
599	White ironbark	0.4	93.5	15.0	70.2	0.7	2.3	0.00	0.06	0.01	0.01	0.00	0.00	670.56	151.66	822.23
600	White ironbark	2.1	558.2	89.6	338.3	4.5	11.1	0.00	0.38	0.06	0.06	0.00	0.00	4,003.78	905.53	4,909.31
601	Tawhiwhi	0.4	97.7	15.7	89.4	0.8	2.9	0.00	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00
602	Narrow-leaved box	1.8	482.4	77.4	294.5	3.9	9.7	0.00	0.32	0.05	0.05	0.00	0.00	3,459.76	782.49	4,242.25
603	Narrow-leaved box	0.3	80.4	12.9	76.9	0.6	2.5	0.00	0.05	0.01	0.01	0.00	0.00	576.70	130.43	707.14
604	Narrow-leaved box	0.8	205.7	33.0	157.5	1.6	5.2	0.00	0.14	0.02	0.03	0.00	0.00	1,475.62	333.74	1,809.35
605	Red gum eucalyptus	0.2	51.2	8.2	31.4	0.4	1.0	0.00	0.03	0.01	0.01	0.00	0.00	367.50	83.12	450.62
606	Narrow-leaved box	1.0	258.5	41.5	159.6	2.1	5.2	0.00	0.17	0.03	0.03	0.00	0.00	1,853.86	419.29	2,273.15
607	Red gum eucalyptus	2.5	667.7	107.1	404.4	5.3	13.3	0.00	0.45	0.07	0.07	0.00	0.00	4,789.22	1,083.17	5,872.39
608	Red gum eucalyptus	4.0	1,053.6	169.1	611.3	8.4	20.1	0.00	0.71	0.11	0.11	0.00	0.00	7,557.40	1,709.25	9,266.65
609	White ironbark	0.6	169.9	27.3	95.9	1.4	3.2	0.00	0.11	0.02	0.02	0.00	0.00	1,218.78	275.65	1,494.44

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	PM10	SO2	PM2.5	CO	O3	NO2	PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
610	Red gum eucalyptus	0.9	227.5	36.5	122.4	1.8	4.0	0.00	0.15	0.02	0.02	0.00	0.00	1,631.58	369.01	2,000.60
611	Narrow-leaved box	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612	Red gum eucalyptus	0.3	75.6	12.1	41.8	0.6	1.4	0.00	0.05	0.01	0.01	0.00	0.00	542.15	122.62	664.77
613	Red gum eucalyptus	0.0	10.9	1.8	6.2	0.1	0.2	0.00	0.01	0.00	0.00	0.00	0.00	78.45	17.74	96.19
614	Red gum eucalyptus	0.7	172.0	27.6	96.8	1.4	3.2	0.00	0.12	0.02	0.02	0.00	0.00	1,233.73	279.03	1,512.76
615	Narrow-leaved box	2.0	529.5	85.0	321.7	4.2	10.6	0.00	0.36	0.06	0.06	0.00	0.00	3,797.84	858.95	4,656.80
616	Narrow-leaved box	0.4	98.8	15.9	76.4	0.8	2.5	0.00	0.07	0.01	0.01	0.00	0.00	708.86	160.32	869.18
617	Narrow-leaved box	0.8	220.4	35.4	160.6	1.8	5.3	0.00	0.15	0.02	0.03	0.00	0.00	1,580.68	357.50	1,938.19
618	Native Apricot	0.0	1.7	0.3	2.2	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
619	Narrow-leaved box	0.2	42.1	6.7	25.5	0.3	0.8	0.00	0.03	0.00	0.00	0.00	0.00	301.66	68.23	369.89
620	Red gum eucalyptus	2.7	720.6	115.6	407.6	5.8	13.4	0.00	0.48	0.08	0.08	0.00	0.00	5,168.86	1,169.04	6,337.90
621	Narrow-leaved box	0.9	237.2	38.1	174.8	1.9	5.8	0.00	0.16	0.03	0.03	0.00	0.00	1,701.16	384.75	2,085.91
622	Silk oak	0.6	159.3	25.6	109.1	1.3	3.6	0.00	0.11	0.02	0.02	0.00	0.00	1.63	17.23	18.86
623	Red gum eucalyptus	0.3	83.0	13.3	59.5	0.7	2.0	0.00	0.06	0.01	0.01	0.00	0.00	595.38	134.66	730.04
624	Red gum eucalyptus	1.1	297.5	47.7	191.6	2.4	6.3	0.00	0.20	0.03	0.04	0.00	0.00	2,133.57	482.55	2,616.12
625	Narrow-leaved box	1.2	321.2	51.5	210.5	2.6	6.9	0.00	0.22	0.03	0.04	0.00	0.00	2,304.02	521.10	2,825.11
626	Narrow-leaved box	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
627	Narrow-leaved box	1.2	304.0	48.8	238.2	2.4	7.8	0.00	0.20	0.03	0.04	0.00	0.00	2,180.27	493.11	2,673.38
628	White ironbark	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
629	White ironbark	2.2	570.4	91.5	337.0	4.6	11.1	0.00	0.38	0.06	0.06	0.00	0.00	4,091.57	925.39	5,016.95
630	Silk oak	1.3	342.8	55.0	214.2	2.7	7.0	0.00	0.23	0.04	0.04	0.00	0.00	3.51	37.08	40.59
631	Narrow-leaved box	1.0	254.8	40.9	198.7	2.0	6.5	0.00	0.17	0.03	0.04	0.00	0.00	1,827.71	413.37	2,241.08
632	Narrow-leaved box	2.3	607.3	97.4	384.4	4.9	12.6	0.00	0.41	0.07	0.07	0.00	0.00	4,355.87	985.16	5,341.03
633	White ironbark	0.4	116.3	18.7	68.7	0.9	2.3	0.00	0.08	0.01	0.01	0.00	0.00	834.47	188.73	1,023.20
634	Spotted gum	0.7	193.7	31.1	196.9	1.5	6.5	0.00	0.13	0.02	0.04	0.00	0.00	557.36	52.37	609.72
635	Coral gum	0.3	85.2	13.7	56.9	0.7	1.9	0.00	0.06	0.01	0.01	0.00	0.00	611.26	138.25	749.51
636	White ironbark	0.2	48.0	7.7	36.0	0.4	1.2	0.00	0.03	0.01	0.01	0.00	0.00	344.62	77.94	422.56
637	Sugargum	1.9	508.8	81.6	360.2	4.1	11.9	0.00	0.34	0.05	0.07	0.00	0.00	3,649.35	825.37	4,474.72
638	Coral gum	0.2	44.1	7.1	34.7	0.4	1.1	0.00	0.03	0.00	0.01	0.00	0.00	316.14	71.50	387.64
639	Drooping melaleuca	0.3	86.0	13.8	95.9	0.7	3.2	0.00	0.06	0.01	0.02	0.00	0.00	194.75	0.00	194.75
640	Drooping melaleuca	0.3	89.0	14.3	93.7	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	201.53	0.00	201.53
641	Wallangara Wattle	0.6	153.7	24.7	60.2	1.2	2.0	0.00	0.10	0.02	0.01	0.00	0.00	1.59	250.80	252.39
642	Red gum eucalyptus	5.5	1,465.0	235.1	891.1	11.7	29.3	0.00	0.99	0.16	0.16	0.01	0.01	10,508.16	2,376.62	12,884.78
643	Red gum eucalyptus	2.6	675.4	108.4	405.9	5.4	13.4	0.00	0.45	0.07	0.08	0.00	0.00	4,844.32	1,095.63	5,939.95
644	Red gum eucalyptus	0.3	88.0	14.1	69.2	0.7	2.3	0.00	0.06	0.01	0.01	0.00	0.00	630.87	142.68	773.56
645	White ironbark	1.3	353.0	56.6	230.4	2.8	7.6	0.00	0.24	0.04	0.04	0.00	0.00	2,531.90	572.64	3,104.53
646	White ironbark	1.8	464.3	74.5	287.9	3.7	9.5	0.00	0.31	0.05	0.05	0.00	0.00	3,329.94	753.13	4,083.07
647	Lemonscented gum	0.1	22.5	3.6	25.8	0.2	0.8	0.00	0.02	0.00	0.00	0.00	0.00	64.82	6.09	70.91
648	Desert ash	0.3	81.7	13.1	95.3	0.7	3.1	0.00	0.06	0.01	0.02	0.00	0.00	1.13	5.25	6.38
649	Jacaranda	0.2	40.9	6.6	44.4	0.3	1.5	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00
650	Jacaranda	0.2	51.4	8.3	58.4	0.4	1.9	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00
651	White ironbark	2.6	692.6	111.1	440.7	5.5	14.5	0.00	0.47	0.07	0.08	0.00	0.00	4,968.06	1,123.62	6,091.69
652	Red gum eucalyptus	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
653	Red gum eucalyptus	5.0	1,318.2	211.5	749.0	10.5	24.6	0.00	0.89	0.14	0.14	0.00	0.00	9,454.68	2,138.36	11,593.04

Tree ID	Species Name	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
		CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	Vocs
654	Desert ash	0.7	179.0	28.7	197.1	1.4	6.5	0.00	0.12	0.02	0.04	0.00	0.00	2.46	11.50	13.97
655	Weeping bottlebrush	0.0	12.0	1.9	15.1	0.1	0.5	0.00	0.01	0.00	0.00	0.00	0.00	17.31	0.00	17.31
656	White ironbark	0.2	42.4	6.8	28.1	0.3	0.9	0.00	0.03	0.00	0.01	0.00	0.00	304.46	68.86	373.32
657	White ironbark	0.6	147.8	23.7	86.9	1.2	2.9	0.00	0.10	0.02	0.02	0.00	0.00	1,060.02	239.74	1,299.76
658	Weeping bottlebrush	0.1	14.4	2.3	18.4	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	20.79	0.00	20.79
659	Thorny Coral Tree	0.4	107.8	17.3	112.5	0.9	3.7	0.00	0.07	0.01	0.02	0.00	0.00	138.13	22.64	160.77
660	Thorny Coral Tree	0.3	90.1	14.5	96.6	0.7	3.2	0.00	0.06	0.01	0.02	0.00	0.00	115.52	18.93	134.45
661	White ironbark	0.1	24.9	4.0	18.4	0.2	0.6	0.00	0.02	0.00	0.00	0.00	0.00	178.38	40.34	218.73
662	European Olive	0.0	2.7	0.4	3.4	0.0	0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.67	0.71
663	Jacaranda	0.1	21.8	3.5	26.8	0.2	0.9	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
664	Wallangara Wattle	0.1	29.9	4.8	11.1	0.2	0.4	0.00	0.02	0.00	0.00	0.00	0.00	0.31	48.76	49.07
665	Wallangara Wattle	0.1	26.5	4.3	9.5	0.2	0.3	0.00	0.02	0.00	0.00	0.00	0.00	0.27	43.23	43.51
666	Chinaberry	0.2	42.8	6.9	45.5	0.3	1.5	0.00	0.03	0.00	0.01	0.00	0.00	0.59	2.75	3.34
667	Wallangara Wattle	0.1	34.3	5.5	13.8	0.3	0.5	0.00	0.02	0.00	0.00	0.00	0.00	0.35	55.98	56.34
668	Illwarra Flame Tree	0.0	12.1	1.9	13.1	0.1	0.4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
669	Weeping bottlebrush	0.1	37.2	6.0	40.0	0.3	1.3	0.00	0.03	0.00	0.01	0.00	0.00	53.71	0.00	53.71
670	Weeping bottlebrush	0.1	16.5	2.6	18.5	0.1	0.6	0.00	0.01	0.00	0.00	0.00	0.00	23.80	0.00	23.80
671	Weeping bottlebrush	0.4	93.2	15.0	96.1	0.7	3.2	0.00	0.06	0.01	0.02	0.00	0.00	134.71	0.00	134.71
672	Weeping bottlebrush	0.1	21.4	3.4	30.0	0.2	1.0	0.00	0.01	0.00	0.01	0.00	0.00	30.86	0.00	30.86
673	Weeping bottlebrush	0.4	96.8	15.5	98.8	0.8	3.3	0.00	0.07	0.01	0.02	0.00	0.00	139.88	0.00	139.88
674	Weeping bottlebrush	0.1	38.3	6.1	39.4	0.3	1.3	0.00	0.03	0.00	0.01	0.00	0.00	55.31	0.00	55.31
675	Desert ash	0.3	68.2	10.9	69.0	0.5	2.3	0.00	0.05	0.01	0.01	0.00	0.00	0.94	4.38	5.32
676	Syagrus romanzoffiana	0.1	38.8	6.2	17.3	0.3	0.6	0.00	0.03	0.00	0.00	0.00	0.00	72.32	1.68	74.00
677	Desert ash	0.0	4.6	0.7	5.7	0.0	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.30	0.36
678	Red gum eucalyptus	0.8	202.0	32.4	101.1	1.6	3.3	0.00	0.14	0.02	0.02	0.00	0.00	1,449.00	327.72	1,776.72
679	Silk oak	0.3	84.5	13.6	50.3	0.7	1.7	0.00	0.06	0.01	0.01	0.00	0.00	0.87	9.14	10.01
680	Canary island date palm	1.2	319.7	51.3	131.5	2.6	4.3	0.00	0.22	0.03	0.02	0.00	0.00	455.30	0.00	455.30
681	Boxelder	0.7	186.2	29.9	136.9	1.5	4.5	0.00	0.13	0.02	0.03	0.00	0.00	2.56	191.50	194.06
682	River she-oak	0.2	64.2	10.3	60.9	0.5	2.0	0.00	0.04	0.01	0.01	0.00	0.00	460.43	3.47	463.90
683	Red gum eucalyptus	4.7	1,240.9	199.1	695.6	9.9	22.9	0.00	0.84	0.13	0.13	0.00	0.00	8,900.39	2,012.99	10,913.39
	TOTAL	410.8	108,489.2	17,408.5	73,960.8	867.1	2,433.3	0.01	73.01	11.72	13.67	0.41	0.4	631,124.70	150,949.51	782,074.21

¹Pollution Removal value is calculated based on the prices of A\$23 per metric ton (CO), A\$673 per metric ton (O3), A\$673 per metric ton (NO2), A\$471 per metric ton (SO2), A\$185 per metric ton (PM10), A\$185 per metric ton (PM2.5)

²PM10 consists of particulate matter less than 10 microns and greater than 2.5 microns. As PM2.5 is also estimated, the sum of PM10 and PM2.5 provides the total pollution removal and value for particulate matter less than 10 microns.

Pollution Effects in Ridge Park by Species

Series: RP_EcoInvt_Dec2015, Time Period: 2015

Species Name	Trees	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
	Count	CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	VOCs
acacia spp	2 0.29%	0.2 0.06%	63.2 0.06%	10.1 0.06%	24.1 0.03%	0.5 0.06%	0.8 0.03%	0.00 0.06%	0.04 0.06%	0.01 0.06%	0.00 0.03%	0.00 0.06%	0.00 0.03%	0.65 0.00%	103.11 0.07%	103.76 0.01%
Boxelder	2 0.29%	1.0 0.24%	259.7 0.24%	41.7 0.24%	201.4 0.27%	2.1 0.24%	6.6 0.27%	0.00 0.24%	0.17 0.24%	0.03 0.24%	0.04 0.27%	0.00 0.24%	0.00 0.27%	3.57 0.00%	267.05 0.18%	270.63 0.03%
Brown mallet	1 0.15%	1.6 0.39%	424.0 0.39%	68.0 0.39%	286.4 0.39%	3.4 0.39%	9.4 0.39%	0.00 0.39%	0.29 0.39%	0.05 0.39%	0.05 0.39%	0.00 0.39%	0.00 0.39%	3,040.89 0.48%	687.75 0.46%	3,728.65 0.48%
California privet	2 0.29%	0.1 0.04%	39.1 0.04%	6.3 0.04%	35.3 0.05%	0.3 0.04%	1.2 0.05%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.01 0.05%	0.00 0.04%	0.00 0.05%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Canary island date palm	1 0.15%	1.2 0.29%	319.7 0.29%	51.3 0.29%	131.5 0.18%	2.6 0.29%	4.3 0.18%	0.00 0.29%	0.22 0.29%	0.03 0.29%	0.02 0.18%	0.00 0.29%	0.00 0.18%	455.30 0.07%	0.00 0.00%	455.30 0.06%
Chinaberry	1 0.15%	0.2 0.04%	42.8 0.04%	6.9 0.04%	45.5 0.06%	0.3 0.04%	1.5 0.06%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.01 0.06%	0.00 0.04%	0.00 0.06%	0.59 0.00%	2.75 0.00%	3.34 0.00%
Coast grey box	1 0.15%	0.9 0.21%	229.6 0.21%	36.8 0.21%	165.7 0.22%	1.8 0.21%	5.5 0.22%	0.00 0.21%	0.15 0.21%	0.02 0.21%	0.03 0.22%	0.00 0.21%	0.00 0.22%	1,646.53 0.26%	372.39 0.25%	2,018.92 0.26%
Coastal wattle	1 0.15%	0.1 0.04%	38.1 0.04%	6.1 0.04%	13.9 0.02%	0.3 0.04%	0.5 0.02%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.00 0.02%	0.00 0.04%	0.00 0.02%	0.39 0.00%	62.09 0.04%	62.49 0.01%
Coral gum	5 0.73%	3.4 0.84%	907.4 0.84%	145.6 0.84%	672.9 0.91%	7.3 0.84%	22.1 0.91%	0.00 0.84%	0.61 0.84%	0.10 0.84%	0.12 0.91%	0.00 0.84%	0.00 0.91%	6,508.12 1.03%	1,471.93 0.98%	7,980.06 1.02%
Creeping mirrorplant	1 0.15%	0.0 0.01%	8.4 0.01%	1.3 0.01%	9.5 0.01%	0.1 0.01%	0.3 0.01%	0.00 0.01%	0.01 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Crimson bottlebrush	1 0.15%	0.0 0.01%	5.9 0.01%	1.0 0.01%	6.7 0.01%	0.0 0.01%	0.2 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	0.00 0.01%	8.56 0.00%	0.00 0.00%	8.56 0.00%
Desert ash	38 5.56%	10.2 2.47%	2,682.0 2.47%	430.4 2.47%	3,194.6 4.32%	21.4 2.47%	105.1 4.32%	0.00 2.47%	1.81 2.47%	0.29 2.47%	0.59 4.32%	0.01 2.47%	0.02 4.32%	36.91 0.01%	172.40 0.11%	209.32 0.03%
Drooping melaleuca	4 0.59%	1.9 0.46%	497.1 0.46%	79.8 0.46%	531.1 0.72%	4.0 0.46%	17.5 0.72%	0.00 0.46%	0.33 0.46%	0.05 0.46%	0.10 0.72%	0.00 0.46%	0.00 0.72%	1,125.61 0.18%	0.00 0.00%	1,125.61 0.14%
Drooping she-oak	32 4.69%	0.7 0.18%	192.7 0.18%	30.9 0.18%	237.3 0.32%	1.5 0.18%	7.8 0.32%	0.00 0.18%	0.13 0.18%	0.02 0.18%	0.04 0.32%	0.00 0.18%	0.00 0.32%	2,076.71 0.33%	15.66 0.01%	2,092.37 0.27%
Dutch elm	2 0.29%	0.1 0.02%	19.8 0.02%	3.2 0.02%	29.5 0.04%	0.2 0.02%	1.0 0.04%	0.00 0.02%	0.01 0.02%	0.00 0.02%	0.01 0.04%	0.00 0.02%	0.00 0.04%	0.27 0.00%	1.27 0.00%	1.54 0.00%
European Olive	110 16.11%	19.8 4.82%	5,232.3 4.82%	839.6 4.82%	6,077.8 8.22%	41.8 4.82%	200.0 8.22%	0.00 4.82%	3.52 4.82%	0.57 4.82%	1.12 8.22%	0.02 4.82%	0.04 8.22%	80.53 0.01%	1,274.98 0.84%	1,355.52 0.17%
Florida hobbush	20 2.93%	0.9 0.23%	248.2 0.23%	39.8 0.23%	336.4 0.45%	2.0 0.23%	11.1 0.45%	0.00 0.23%	0.17 0.23%	0.03 0.23%	0.06 0.45%	0.00 0.23%	0.00 0.45%	1,142.44 0.18%	0.00 0.00%	1,142.44 0.15%
Golden wattle	44 6.44%	10.8 2.63%	2,858.0 2.63%	458.6 2.63%	1,015.0 1.37%	22.8 2.63%	33.4 1.37%	0.00 2.63%	1.92 2.63%	0.31 2.63%	0.19 1.37%	0.01 2.63%	0.01 1.37%	29.51 0.00%	4,663.31 3.09%	4,692.82 0.60%
gum spp	5 0.73%	2.5 0.60%	656.0 0.60%	105.3 0.60%	499.5 0.68%	5.2 0.60%	16.4 0.68%	0.00 0.60%	0.44 0.60%	0.07 0.60%	0.09 0.68%	0.00 0.60%	0.00 0.68%	4,705.16 0.75%	1,064.16 0.70%	5,769.32 0.74%
Illwarra Flame Tree	1 0.15%	0.0 0.01%	12.1 0.01%	1.9 0.01%	13.1 0.02%	0.1 0.01%	0.4 0.02%	0.00 0.01%	0.01 0.01%	0.00 0.01%	0.00 0.02%	0.00 0.01%	0.00 0.02%	0.00 0.00%	0.00 0.00%	0.00 0.00%

Species Name	Trees	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
	Count	CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	VOCs
Inland Red Box	2 0.29%	5.4 1.31%	1,423.4 1.31%	228.4 1.31%	900.4 1.22%	11.4 1.31%	29.6 1.22%	0.00 1.31%	0.96 1.31%	0.15 1.31%	0.17 1.22%	0.01 1.31%	0.01 1.22%	10,209.30 1.62%	2,309.03 1.53%	12,518.33 1.60%
Jacaranda	3 0.44%	0.4 0.11%	114.2 0.11%	18.3 0.11%	129.6 0.18%	0.9 0.11%	4.3 0.18%	0.00 0.11%	0.08 0.11%	0.01 0.11%	0.02 0.18%	0.00 0.11%	0.00 0.18%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Kurrajong	3 0.44%	1.5 0.36%	395.3 0.36%	63.4 0.36%	373.4 0.50%	3.2 0.36%	12.3 0.50%	0.00 0.36%	0.27 0.36%	0.04 0.36%	0.07 0.50%	0.00 0.36%	0.00 0.50%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Lemonscented gum	6 0.88%	4.9 1.19%	1,291.5 1.19%	207.2 1.19%	1,602.6 2.17%	10.3 1.19%	52.7 2.17%	0.00 1.19%	0.87 1.19%	0.14 1.19%	0.30 2.17%	0.00 1.19%	0.01 2.17%	3,716.58 0.59%	349.20 0.23%	4,065.78 0.52%
Lndon planetree Bloodgood	1 0.15%	0.6 0.14%	152.7 0.14%	24.5 0.14%	254.6 0.34%	1.2 0.14%	8.4 0.34%	0.00 0.14%	0.10 0.14%	0.02 0.14%	0.05 0.34%	0.00 0.14%	0.00 0.34%	735.49 0.12%	9.81 0.01%	745.31 0.10%
melaleuca spp	3 0.44%	0.0 0.01%	9.4 0.01%	1.5 0.01%	13.9 0.02%	0.1 0.01%	0.5 0.02%	0.00 0.01%	0.01 0.01%	0.00 0.01%	0.00 0.02%	0.00 0.01%	0.00 0.02%	21.38 0.00%	0.00 0.00%	21.38 0.00%
Monterey pine	1 0.15%	0.0 0.00%	2.3 0.00%	0.4 0.00%	2.5 0.00%	0.0 0.00%	0.1 0.00%	0.00 0.00%	0.00 0.00%	0.00 0.00%	0.00 0.00%	0.00 0.00%	0.00 0.00%	0.02 0.00%	3.80 0.00%	3.82 0.00%
Mugga ironbark	1 0.15%	0.6 0.16%	168.4 0.16%	27.0 0.16%	88.7 0.12%	1.3 0.16%	2.9 0.12%	0.00 0.16%	0.11 0.16%	0.02 0.16%	0.02 0.12%	0.00 0.16%	0.00 0.12%	1,208.04 0.19%	273.22 0.18%	1,481.27 0.19%
Narrow-leaved box	59 8.64%	39.9 9.72%	10,548.7 9.72%	1,692.7 9.72%	6,922.0 9.36%	84.3 9.72%	227.7 9.36%	0.00 9.72%	7.10 9.72%	1.14 9.72%	1.28 9.36%	0.04 9.72%	0.04 9.36%	75,662.22 11.99%	17,112.44 11.34%	92,774.67 11.86%
Native Apricot	4 0.59%	0.0 0.01%	10.7 0.01%	1.7 0.01%	13.1 0.02%	0.1 0.01%	0.4 0.02%	0.00 0.01%	0.01 0.01%	0.00 0.01%	0.00 0.02%	0.00 0.01%	0.00 0.02%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Orange cotoneaster	1 0.15%	0.1 0.03%	33.9 0.03%	5.4 0.03%	41.7 0.06%	0.3 0.03%	1.4 0.06%	0.00 0.03%	0.02 0.03%	0.00 0.03%	0.01 0.06%	0.00 0.03%	0.00 0.06%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Orange wattle	4 0.59%	7.1 1.73%	1,881.6 1.73%	301.9 1.73%	618.0 0.84%	15.0 1.73%	20.3 0.84%	0.00 1.73%	1.27 1.73%	0.20 1.73%	0.11 0.84%	0.01 1.73%	0.00 0.84%	19.43 0.00%	3,070.10 2.03%	3,089.53 0.40%
Paradox acacia	1 0.15%	0.2 0.04%	44.7 0.04%	7.2 0.04%	18.4 0.02%	0.4 0.04%	0.6 0.02%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.00 0.02%	0.00 0.04%	0.00 0.02%	0.46 0.00%	72.98 0.05%	73.44 0.01%
Peppermint tree	5 0.73%	2.1 0.50%	543.9 0.50%	87.3 0.50%	623.5 0.84%	4.3 0.50%	20.5 0.84%	0.00 0.50%	0.37 0.50%	0.06 0.50%	0.12 0.84%	0.00 0.50%	0.00 0.84%	1,565.20 0.25%	147.06 0.10%	1,712.27 0.22%
peppertree spp	4 0.59%	3.6 0.87%	939.8 0.87%	150.8 0.87%	1,058.8 1.43%	7.5 0.87%	34.8 1.43%	0.00 0.87%	0.63 0.87%	0.10 0.87%	0.20 1.43%	0.00 0.87%	0.01 1.43%	0.00 0.00%	1,728.02 1.14%	1,728.02 0.22%
Pine-leaved Bottlebrush	1 0.15%	0.2 0.04%	46.2 0.04%	7.4 0.04%	57.1 0.08%	0.4 0.04%	1.9 0.08%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.01 0.08%	0.00 0.04%	0.00 0.08%	66.70 0.01%	0.00 0.00%	66.70 0.01%
Prickly-leaved Paperbark	2 0.29%	0.8 0.19%	204.4 0.19%	32.8 0.19%	210.0 0.28%	1.6 0.19%	6.9 0.28%	0.00 0.19%	0.14 0.19%	0.02 0.19%	0.04 0.28%	0.00 0.19%	0.00 0.28%	462.77 0.07%	0.00 0.00%	462.77 0.06%
Primrose tree	4 0.59%	1.1 0.28%	298.4 0.28%	47.9 0.28%	308.3 0.42%	2.4 0.28%	10.1 0.42%	0.00 0.28%	0.20 0.28%	0.03 0.28%	0.06 0.42%	0.00 0.28%	0.00 0.42%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Queensland pittosporum	1 0.15%	0.1 0.03%	28.2 0.03%	4.5 0.03%	29.6 0.04%	0.2 0.03%	1.0 0.04%	0.00 0.03%	0.02 0.03%	0.00 0.03%	0.01 0.04%	0.00 0.03%	0.00 0.04%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Red gum eucalyptus	132 19.33%	187.9 45.73%	49,616.4 45.73%	7,961.6 45.73%	28,926.0 39.11%	396.6 45.73%	951.7 39.11%	0.00 45.73%	33.39 45.73%	5.36 45.73%	5.35 39.11%	0.19 45.73%	0.18 39.11%	355,880.3 5 56.39%	80,489.08 53.32%	436,369.4 3 55.80%
Redflower gum	3 0.44%	0.8 0.21%	223.8 0.21%	35.9 0.21%	300.9 0.41%	1.8 0.21%	9.9 0.41%	0.00 0.21%	0.15 0.21%	0.02 0.21%	0.06 0.41%	0.00 0.21%	0.00 0.41%	644.10 0.10%	60.52 0.04%	704.62 0.09%

Species Name	Trees	Pollution Removed (g/yr)						Removal Value (A\$/yr) ¹						VOC Emission (g/yr)		
	Count	CO	O3	NO2	² PM10	SO2	PM2.5	CO	O3	NO2	² PM10	SO2	PM2.5	Isoprene	Mono-terpene	VOCs
Ribbon gum eucalyptus	1 0.15%	1.9 0.46%	498.2 0.46%	79.9 0.46%	329.1 0.44%	4.0 0.46%	10.8 0.44%	0.00 0.46%	0.34 0.46%	0.05 0.46%	0.06 0.44%	0.00 0.46%	0.00 0.44%	3,573.70 0.57%	808.26 0.54%	4,381.96 0.56%
River she-oak	12 1.76%	2.5 0.61%	659.9 0.61%	105.9 0.61%	674.5 0.91%	5.3 0.61%	22.2 0.91%	0.00 0.61%	0.44 0.61%	0.07 0.61%	0.12 0.91%	0.00 0.61%	0.00 0.91%	4,733.19 0.75%	35.68 0.02%	4,768.87 0.61%
Silk oak	6 0.88%	4.0 0.98%	1,065.4 0.98%	171.0 0.98%	699.3 0.95%	8.5 0.98%	23.0 0.95%	0.00 0.98%	0.72 0.98%	0.12 0.98%	0.13 0.95%	0.00 0.98%	0.00 0.95%	10.92 0.00%	115.23 0.08%	126.14 0.02%
Smooth-bark angophora	1 0.15%	0.6 0.15%	159.2 0.15%	25.5 0.15%	202.5 0.27%	1.3 0.15%	6.7 0.27%	0.00 0.15%	0.11 0.15%	0.02 0.15%	0.04 0.27%	0.00 0.15%	0.00 0.27%	458.05 0.07%	43.04 0.03%	501.09 0.06%
Southern Cypress-Pine	9 1.32%	0.2 0.05%	58.0 0.05%	9.3 0.05%	66.9 0.09%	0.5 0.05%	2.2 0.09%	0.00 0.05%	0.04 0.05%	0.01 0.05%	0.01 0.09%	0.00 0.05%	0.00 0.09%	0.51 0.00%	22.41 0.01%	22.92 0.00%
Spotted gum	7 1.02%	1.8 0.44%	476.5 0.44%	76.5 0.44%	534.9 0.72%	3.8 0.44%	17.6 0.72%	0.00 0.44%	0.32 0.44%	0.05 0.44%	0.10 0.72%	0.00 0.44%	0.00 0.72%	1,371.19 0.22%	128.83 0.09%	1,500.02 0.19%
Stiffleaf cheesewood	5 0.73%	0.1 0.02%	22.9 0.02%	3.7 0.02%	27.4 0.04%	0.2 0.02%	0.9 0.04%	0.00 0.02%	0.02 0.02%	0.00 0.02%	0.01 0.04%	0.00 0.02%	0.00 0.04%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Sugargum	15 2.20%	36.0 8.76%	9,500.7 8.76%	1,524.5 8.76%	6,269.6 8.48%	75.9 8.76%	206.3 8.48%	0.00 8.76%	6.39 8.76%	1.03 8.76%	1.16 8.48%	0.04 8.76%	0.04 8.48%	68,144.99 10.80%	15,412.28 10.21%	83,557.26 10.68%
Syagrus romanzoffiana	1 0.15%	0.1 0.04%	38.8 0.04%	6.2 0.04%	17.3 0.02%	0.3 0.04%	0.6 0.02%	0.00 0.04%	0.03 0.04%	0.00 0.04%	0.00 0.02%	0.00 0.04%	0.00 0.02%	72.32 0.01%	1.68 0.00%	74.00 0.01%
Tawhiwhi	1 0.15%	0.4 0.09%	97.7 0.09%	15.7 0.09%	89.4 0.12%	0.8 0.09%	2.9 0.12%	0.00 0.09%	0.07 0.09%	0.01 0.09%	0.02 0.12%	0.00 0.09%	0.00 0.12%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Thorny Coral Tree	2 0.29%	0.7 0.18%	197.9 0.18%	31.7 0.18%	209.1 0.28%	1.6 0.18%	6.9 0.28%	0.00 0.18%	0.13 0.18%	0.02 0.18%	0.04 0.28%	0.00 0.18%	0.00 0.28%	253.65 0.04%	41.57 0.03%	295.22 0.04%
Victorian box	1 0.15%	0.0 0.01%	11.9 0.01%	1.9 0.01%	15.0 0.02%	0.1 0.01%	0.5 0.02%	0.00 0.01%	0.01 0.01%	0.00 0.01%	0.00 0.02%	0.00 0.01%	0.00 0.02%	0.00 0.00%	0.00 0.00%	0.00 0.00%
Vinegartree	9 1.32%	1.9 0.47%	506.8 0.47%	81.3 0.47%	557.2 0.75%	4.1 0.47%	18.3 0.75%	0.00 0.47%	0.34 0.47%	0.05 0.47%	0.10 0.75%	0.00 0.47%	0.00 0.75%	1,458.67 0.23%	137.05 0.09%	1,595.72 0.20%
Wallangara Wattle	6 0.88%	1.6 0.39%	427.3 0.39%	68.6 0.39%	161.2 0.22%	3.4 0.39%	5.3 0.22%	0.00 0.39%	0.29 0.39%	0.05 0.39%	0.03 0.22%	0.00 0.39%	0.00 0.22%	4.41 0.00%	697.28 0.46%	701.69 0.09%
Weeping bottlebrush	40 5.86%	4.3 1.04%	1,129.3 1.04%	181.2 1.04%	1,248.8 1.69%	9.0 1.04%	41.1 1.69%	0.00 1.04%	0.76 1.04%	0.12 1.04%	0.23 1.69%	0.00 1.04%	0.01 1.69%	1,631.74 0.26%	0.00 0.00%	1,631.74 0.21%
White ironbark	51 7.47%	40.4 9.85%	10,680.8 9.85%	1,713.9 9.85%	6,667.9 9.02%	85.4 9.85%	219.4 9.02%	0.00 9.85%	7.19 9.85%	1.15 9.85%	1.23 9.02%	0.04 9.85%	0.04 9.02%	76,609.23 12.14%	17,326.63 11.48%	93,935.86 12.01%
Yellow box	1 0.15%	0.9 0.22%	243.7 0.22%	39.1 0.22%	170.8 0.23%	1.9 0.22%	5.6 0.23%	0.00 0.22%	0.16 0.22%	0.03 0.22%	0.03 0.23%	0.00 0.22%	0.00 0.23%	1,748.33 0.28%	395.42 0.26%	2,143.74 0.27%
TOTAL	683 100.00%	410.8 100.00%	108489.2 100.00%	17,408.5 100.00%	73,960.8 100.00%	867.1 100.00%	2,433.3 100.00%	0.01 100.00%	73.01 100.00%	11.72 100.00%	13.67 100.00%	0.41 100.00%	0.4 100.00%	631,124.7 0 100.00%	150,949.5 1 100.00%	782,074.2 1 100.00%

¹Pollution Removal value is calculated based on the prices of A\$23 per metric ton (CO), A\$673 per metric ton (O3), A\$673 per metric ton (NO2), A\$471 per metric ton (SO2), A\$185 per metric ton (PM10), A\$185 per metric ton (PM2.5)

²PM10 consists of particulate matter less than 10 microns and greater than 2.5 microns. As PM2.5 is also estimated, the sum of PM10 and PM2.5 provides the total pollution removal and value for particulate matter less than 10 microns.

7.4 Appendix D. Tree avoided run-off in Ridge Park

Individual Tree Avoided Runoff in Ridge Park

Series: RP_EcoInvt_Dec2015, Time Period: 2015

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
1	White ironbark	19.0	9.00	Excellent	92.58	0.17	0.39
2	Golden wattle	25.5	8.00	Good	233.85	0.43	0.99
3	Golden wattle	5.0	3.90	Excellent	6.39	0.01	0.03
4	Golden wattle	8.0	2.70	Excellent	6.29	0.01	0.03
5	White ironbark	31.0	12.50	Excellent	368.03	0.68	1.56
6	River she-oak	19.0	8.10	Excellent	95.96	0.18	0.41
7	River she-oak	16.0	8.20	Excellent	95.82	0.18	0.40
8	Golden wattle	7.0	5.00	Excellent	18.19	0.03	0.08
9	Golden wattle	4.0	3.00	Excellent	6.41	0.01	0.03
10	Native Apricot	5.0	3.00	Excellent	3.99	0.01	0.02
11	Southern Cypress-Pine	3.0	2.30	Excellent	1.07	0.00	0.00
12	Red gum eucalyptus	20.0	8.90	Excellent	97.12	0.18	0.41
13	White ironbark	31.0	17.80	Fair	268.08	0.50	1.13
14	Red gum eucalyptus	7.0	5.90	Excellent	20.80	0.04	0.09
15	Southern Cypress-Pine	10.0	5.30	Excellent	17.06	0.03	0.07
16	Southern Cypress-Pine	18.2	5.70	Excellent	19.21	0.04	0.08
17	White ironbark	26.0	19.20	Excellent	92.37	0.17	0.39
18	Southern Cypress-Pine	22.0	6.00	Good	17.94	0.03	0.08
19	Golden wattle	5.0	5.20	Excellent	8.83	0.02	0.04
20	Red gum eucalyptus	13.0	6.60	Excellent	18.45	0.03	0.08
21	Red gum eucalyptus	4.0	4.40	Excellent	5.52	0.01	0.02
22	Southern Cypress-Pine	23.8	9.90	Excellent	34.95	0.07	0.15
23	Red gum eucalyptus	12.0	6.20	Excellent	19.77	0.04	0.08
24	Red gum eucalyptus	6.0	6.00	Excellent	6.81	0.01	0.03
25	Narrow-leaved box	18.0	9.70	Good	93.08	0.17	0.39
26	Golden wattle	8.0	5.50	Excellent	60.47	0.11	0.26
27	Golden wattle	6.0	6.30	Excellent	53.18	0.10	0.22
28	Narrow-leaved box	5.0	4.20	Excellent	5.70	0.01	0.02
29	Golden wattle	3.0	2.80	Excellent	5.88	0.01	0.02
30	Red gum eucalyptus	17.0	9.60	Excellent	114.54	0.21	0.48
31	Golden wattle	8.0	7.10	Excellent	76.22	0.14	0.32
32	Narrow-leaved box	3.0	2.80	Excellent	5.32	0.01	0.02
33	Sugargum	70.0	9.10	Excellent	195.34	0.36	0.83
34	Narrow-leaved box	3.0	2.60	Excellent	3.74	0.01	0.02
35	Ribbon gum eucalyptus	90.0	18.20	Good	591.16	1.10	2.50
36	Red gum eucalyptus	14.0	8.60	Excellent	21.40	0.04	0.09
37	Golden wattle	14.0	9.30	Good	15.98	0.03	0.07
38	Golden wattle	16.4	7.30	Good	123.55	0.23	0.52
39	River she-oak	5.0	2.90	Excellent	3.67	0.01	0.02
40	White ironbark	40.0	11.80	Excellent	177.66	0.33	0.75
41	Red gum eucalyptus	103.0	22.30	Good	939.02	1.75	3.97
42	Redflower gum	21.0	5.70	Excellent	54.28	0.10	0.23
43	Redflower gum	40.0	11.80	Good	187.08	0.35	0.79
44	Peppermint tree	50.0	11.60	Good	275.82	0.51	1.17
45	Southern Cypress-Pine	6.0	4.80	Excellent	5.10	0.01	0.02
46	Silk oak	51.0	19.00	Excellent	312.46	0.58	1.32
47	Golden wattle	3.0	3.20	Excellent	4.82	0.01	0.02
48	White ironbark	48.0	16.30	Fair	204.38	0.38	0.86
49	Prickly-leaved Paperbark	25.9	6.30	Excellent	105.46	0.20	0.45
50	Spotted gum	45.0	24.00	Good	251.67	0.47	1.06
51	Red gum eucalyptus	88.0	21.40	Excellent	561.67	1.04	2.37
52	Kurrajong	12.0	6.40	Excellent	21.36	0.04	0.09
53	Golden wattle	4.0	3.80	Excellent	2.42	0.00	0.01
54	Desert ash	31.0	10.90	Good	189.60	0.23	0.53
55	Smooth-bark angophora	47.0	15.00	Excellent	326.53	0.61	1.38
56	Desert ash	34.0	10.60	Good	138.82	0.17	0.39
57	Red gum eucalyptus	67.0	19.30	Good	332.75	0.62	1.41
58	Peppermint tree	60.0	9.60	Fair	95.38	0.18	0.40
59	Coral gum	57.6	12.80	Good	262.07	0.49	1.11
60	Golden wattle	8.0	6.20	Excellent	33.79	0.06	0.14
61	Narrow-leaved box	6.0	5.20	Excellent	4.62	0.01	0.02
62	Golden wattle	9.0	8.90	Excellent	20.97	0.04	0.09
63	Lemonscented gum	54.0	17.20	Excellent	693.31	1.29	2.93

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m ²)	Avoided Runoff (m ³ /yr)	Avoided Runoff Value (A\$)
64	Golden wattle	5.0	5.50	Excellent	54.02	0.10	0.23
65	Spotted gum	55.0	24.10	Good	281.20	0.52	1.19
66	Golden wattle	6.0	5.60	Excellent	27.25	0.05	0.12
67	Golden wattle	9.0	7.80	Excellent	36.86	0.07	0.16
68	Golden wattle	9.0	5.10	Excellent	39.01	0.07	0.16
69	Golden wattle	10.0	8.20	Excellent	22.08	0.04	0.09
70	Red gum eucalyptus	65.0	25.30	Good	609.79	1.13	2.58
71	Red gum eucalyptus	67.0	24.70	Good	713.07	1.33	3.01
72	Southern Cypress-Pine	6.0	3.80	Good	13.14	0.02	0.06
73	Red gum eucalyptus	5.0	5.50	Excellent	8.56	0.02	0.04
74	Red gum eucalyptus	6.0	6.00	Excellent	10.10	0.02	0.04
75	Golden wattle	5.0	5.90	Excellent	8.07	0.02	0.03
76	Golden wattle	7.0	7.10	Excellent	36.00	0.07	0.15
77	Red gum eucalyptus	4.0	5.00	Good	8.45	0.02	0.04
78	Southern Cypress-Pine	7.0	4.30	Excellent	7.20	0.01	0.03
79	Southern Cypress-Pine	4.0	3.60	Excellent	3.37	0.01	0.01
80	Golden wattle	4.0	4.20	Excellent	8.38	0.02	0.04
81	Golden wattle	11.0	9.60	Excellent	79.95	0.15	0.34
82	Golden wattle	5.0	3.90	Excellent	6.14	0.01	0.03
83	Golden wattle	6.0	4.40	Excellent	23.97	0.04	0.10
84	Red gum eucalyptus	7.0	7.60	Excellent	12.36	0.02	0.05
85	Golden wattle	6.0	6.30	Excellent	21.86	0.04	0.09
86	River she-oak	12.0	8.90	Excellent	117.81	0.22	0.50
87	Weeping bottlebrush	11.9	2.90	Good	20.74	0.04	0.09
88	Red gum eucalyptus	65.0	19.80	Good	434.55	0.81	1.84
89	Red gum eucalyptus	26.0	18.10	Good	182.65	0.34	0.77
90	Lemonscented gum	63.0	21.00	Good	598.77	1.11	2.53
91	Red gum eucalyptus	47.0	23.20	Good	245.16	0.46	1.04
92	Red gum eucalyptus	32.0	14.30	Good	228.17	0.42	0.96
93	Red gum eucalyptus	31.0	21.70	Good	224.99	0.42	0.95
94	Vinegartree	26.0	7.10	Excellent	139.83	0.26	0.59
95	Lemonscented gum	22.0	10.10	Fair	64.71	0.12	0.27
96	gum spp	49.0	23.30	Good	324.22	0.60	1.37
97	gum spp	48.0	20.30	Good	227.63	0.42	0.96
98	White ironbark	17.0	10.70	Excellent	68.68	0.13	0.29
99	Red gum eucalyptus	43.0	21.90	Good	267.31	0.50	1.13
100	Red gum eucalyptus	54.0	20.00	Good	291.94	0.54	1.23
101	Red gum eucalyptus	20.0	13.90	Excellent	56.13	0.10	0.24
102	Red gum eucalyptus	25.0	13.60	Excellent	27.22	0.05	0.12
103	Red gum eucalyptus	49.0	18.10	Excellent	226.74	0.42	0.96
104	River she-oak	3.6	5.20	Good	9.97	0.02	0.04
105	Red gum eucalyptus	20.0	7.60	Excellent	22.50	0.04	0.10
106	Lndon planetree Bloodgood	52.0	13.00	Excellent	766.92	0.95	2.16
107	River she-oak	13.0	8.90	Excellent	44.29	0.08	0.19
108	Red gum eucalyptus	64.0	22.30	Excellent	469.37	0.87	1.98
109	Yellow box	49.0	16.40	Good	289.25	0.54	1.22
110	Golden wattle	19.0	9.60	Good	224.19	0.42	0.95
111	Vinegartree	31.0	9.00	Fair	109.17	0.20	0.46
112	Red gum eucalyptus	21.0	16.80	Excellent	37.60	0.07	0.16
113	Red gum eucalyptus	67.0	22.70	Good	502.11	0.93	2.12
114	Golden wattle	7.0	6.00	Excellent	10.83	0.02	0.05
115	Primrose tree	21.0	7.10	Fair	32.86	0.06	0.14
116	Red gum eucalyptus	60.0	19.10	Good	340.70	0.63	1.44
117	Vinegartree	31.0	8.70	Poor	138.14	0.26	0.58
118	Coast grey box	42.0	17.00	Good	272.38	0.51	1.15
119	Primrose tree	48.0	10.70	Excellent	218.77	0.41	0.92
120	Sugargum	71.0	18.90	Good	528.23	0.98	2.23
121	Red gum eucalyptus	25.0	11.50	Good	145.18	0.27	0.61
122	Red gum eucalyptus	11.0	6.10	Excellent	25.81	0.05	0.11
123	Vinegartree	20.0	7.10	Critical	30.88	0.06	0.13
124	gum spp	20.0	5.10	Excellent	92.38	0.17	0.39
125	gum spp	23.0	18.30	Good	40.86	0.08	0.17
126	Sugargum	42.0	21.10	Good	327.07	0.61	1.38
127	Sugargum	51.0	18.20	Good	326.97	0.61	1.38
128	Sugargum	157.0	28.10	Fair	2,085.82	3.88	8.81
129	Vinegartree	14.0	4.70	Good	39.20	0.07	0.17

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
130	Sugargum	71.0	23.10	Good	676.86	1.26	2.86
131	Vinegartree	15.0	4.70	Good	23.00	0.04	0.10
132	River she-oak	15.0	6.20	Excellent	72.10	0.13	0.30
133	Florida hopbush	5.0	4.00	Critical	9.27	0.02	0.04
134	Florida hopbush	6.0	4.10	Critical	9.27	0.02	0.04
135	Florida hopbush	4.0	3.30	Fair	5.86	0.01	0.02
136	River she-oak	4.0	5.40	Fair	21.12	0.04	0.09
137	Silk oak	19.0	8.20	Good	97.11	0.18	0.41
138	Narrow-leaved box	7.0	6.30	Excellent	14.42	0.03	0.06
139	Red gum eucalyptus	24.0	9.10	Excellent	149.71	0.28	0.63
140	White ironbark	29.0	11.00	Excellent	312.07	0.58	1.32
141	Narrow-leaved box	24.0	10.80	Good	304.95	0.57	1.29
142	Narrow-leaved box	45.0	8.10	Good	103.24	0.19	0.44
143	Narrow-leaved box	7.0	5.00	Excellent	17.72	0.03	0.07
144	Red gum eucalyptus	53.0	21.20	Good	343.02	0.64	1.45
145	Red gum eucalyptus	55.0	21.80	Good	281.90	0.52	1.19
146	Red gum eucalyptus	80.0	25.10	Good	783.35	1.46	3.31
147	Red gum eucalyptus	19.0	9.10	Good	61.25	0.11	0.26
148	Red gum eucalyptus	51.0	12.00	Good	118.63	0.22	0.50
149	Red gum eucalyptus	20.6	5.70	Dead	0.00	0.00	0.00
150	Red gum eucalyptus	123.2	29.50	Good	1,226.43	2.28	5.18
151	Red gum eucalyptus	31.0	24.50	Good	72.79	0.14	0.31
152	Red gum eucalyptus	124.6	21.50	Fair	1,063.55	1.98	4.49
153	Red gum eucalyptus	26.0	8.50	Good	18.75	0.03	0.08
154	Red gum eucalyptus	120.0	24.70	Good	1,417.48	2.64	5.99
155	White ironbark	105.0	11.70	Fair	340.10	0.63	1.44
156	Red gum eucalyptus	45.0	14.10	Good	524.84	0.98	2.22
157	Narrow-leaved box	134.0	17.00	Fair	1,288.26	2.40	5.44
158	Peppermint tree	44.0	6.60	Fair	181.80	0.34	0.77
159	Red gum eucalyptus	77.0	18.30	Good	728.71	1.36	3.08
160	Brown mallet	52.0	15.40	Good	503.02	0.94	2.13
161	Desert ash	41.0	9.70	Excellent	315.72	0.39	0.89
162	Vinegartree	28.0	9.00	Fair	200.17	0.37	0.85
163	White ironbark	40.0	16.00	Excellent	263.91	0.49	1.12
164	Red gum eucalyptus	89.0	20.40	Good	538.15	1.00	2.27
165	Prickly-leaved Paperbark	50.3	7.90	Excellent	313.77	0.58	1.33
166	Red gum eucalyptus	56.0	19.60	Excellent	452.66	0.84	1.91
167	Redflower gum	47.0	8.10	Fair	217.86	0.41	0.92
168	Desert ash	34.1	9.50	Excellent	269.74	0.33	0.76
169	Red gum eucalyptus	96.0	23.80	Good	1,279.98	2.38	5.41
170	Desert ash	33.0	11.40	Excellent	318.44	0.39	0.90
171	Sugargum	67.0	20.10	Good	923.25	1.72	3.90
172	Sugargum	94.0	25.10	Good	2,025.94	3.77	8.56
173	Red gum eucalyptus	77.0	19.50	Good	815.04	1.52	3.44
174	Peppermint tree	40.0	11.70	Good	328.56	0.61	1.39
175	Narrow-leaved box	7.0	6.20	Good	28.25	0.05	0.12
176	Spotted gum	3.0	4.30	Excellent	9.26	0.02	0.04
177	Coral gum	42.0	14.80	Good	447.04	0.83	1.89
178	Coral gum	36.1	18.60	Fair	214.16	0.40	0.91
179	Red gum eucalyptus	24.0	20.50	Good	152.85	0.28	0.65
180	Red gum eucalyptus	3.0	2.50	Good	6.44	0.01	0.03
181	Golden wattle	20.0	7.20	Fair	113.48	0.21	0.48
182	White ironbark	44.0	19.50	Good	421.91	0.78	1.78
183	Golden wattle	5.0	3.00	Good	5.06	0.01	0.02
184	Florida hopbush	14.4	4.70	Good	28.11	0.05	0.12
185	Florida hopbush	6.0	2.40	Excellent	14.04	0.03	0.06
186	Florida hopbush	5.8	3.00	Dying	3.16	0.01	0.01
187	Florida hopbush	7.7	4.80	Fair	16.99	0.03	0.07
188	Florida hopbush	8.8	4.60	Fair	23.70	0.04	0.10
189	Florida hopbush	10.5	3.60	Good	35.36	0.07	0.15
190	Florida hopbush	11.0	3.70	Fair	23.84	0.04	0.10
191	Florida hopbush	10.1	4.30	Fair	31.60	0.06	0.13
192	Florida hopbush	4.1	2.30	Good	4.20	0.01	0.02
193	Narrow-leaved box	23.0	10.70	Good	147.24	0.27	0.62
194	Native Apricot	7.8	4.30	Excellent	10.47	0.02	0.04
195	Spotted gum	6.0	6.80	Good	15.28	0.03	0.06

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
196	Golden wattle	12.0	6.80	Dying	70.58	0.13	0.30
197	Narrow-leaved box	4.0	3.30	Excellent	6.51	0.01	0.03
198	Narrow-leaved box	5.0	4.80	Excellent	24.98	0.05	0.11
199	Florida hopbush	6.4	2.30	Good	25.00	0.05	0.11
200	Red gum eucalyptus	121.1	19.50	Good	1,819.42	3.38	7.69
201	White ironbark	7.0	4.90	Excellent	11.12	0.02	0.05
202	Red gum eucalyptus	68.0	18.10	Good	728.41	1.35	3.08
203	Narrow-leaved box	5.0	5.40	Excellent	16.97	0.03	0.07
204	Narrow-leaved box	8.0	5.80	Good	14.19	0.03	0.06
205	Golden wattle	8.0	6.00	Excellent	41.89	0.08	0.18
206	Narrow-leaved box	3.0	3.70	Excellent	9.49	0.02	0.04
207	White ironbark	8.0	5.80	Excellent	25.71	0.05	0.11
208	Golden wattle	9.0	4.80	Excellent	38.34	0.07	0.16
209	Red gum eucalyptus	4.0	3.80	Excellent	11.90	0.02	0.05
210	Red gum eucalyptus	7.0	4.10	Excellent	16.18	0.03	0.07
211	White ironbark	17.0	6.90	Excellent	110.54	0.21	0.47
212	White ironbark	5.0	4.50	Excellent	12.63	0.02	0.05
213	White ironbark	20.0	7.10	Good	43.58	0.08	0.18
214	Golden wattle	8.0	2.60	Excellent	16.06	0.03	0.07
215	White ironbark	18.0	7.50	Excellent	56.13	0.10	0.24
216	Red gum eucalyptus	133.0	20.70	Good	1,282.09	2.38	5.42
217	White ironbark	3.0	3.00	Excellent	7.73	0.01	0.03
218	Golden wattle	5.8	4.40	Excellent	30.59	0.06	0.13
219	Golden wattle	6.0	3.80	Excellent	21.76	0.04	0.09
220	Golden wattle	10.0	6.60	Excellent	112.24	0.21	0.47
221	Narrow-leaved box	4.2	2.50	Excellent	11.48	0.02	0.05
222	Narrow-leaved box	90.0	16.20	Good	789.03	1.47	3.33
223	White ironbark	12.0	8.00	Excellent	40.92	0.08	0.17
224	Narrow-leaved box	4.0	3.60	Excellent	7.59	0.01	0.03
225	Coastal wattle	8.0	3.00	Excellent	36.31	0.04	0.10
226	Narrow-leaved box	10.0	6.30	Excellent	55.85	0.10	0.24
227	Golden wattle	8.0	4.40	Excellent	33.88	0.06	0.14
228	Golden wattle	6.4	4.70	Excellent	31.29	0.06	0.13
229	Red gum eucalyptus	18.0	7.70	Excellent	61.19	0.11	0.26
230	White ironbark	13.0	6.70	Excellent	28.52	0.05	0.12
231	Narrow-leaved box	5.0	4.70	Excellent	16.13	0.03	0.07
232	Narrow-leaved box	39.5	11.10	Excellent	253.30	0.47	1.07
233	Narrow-leaved box	92.0	24.00	Good	1,019.32	1.90	4.31
234	Narrow-leaved box	104.5	9.70	Fair	244.44	0.45	1.03
235	Narrow-leaved box	79.0	15.50	Good	635.40	1.18	2.69
236	Narrow-leaved box	21.0	9.20	Good	227.20	0.42	0.96
237	Narrow-leaved box	15.0	10.30	Good	91.38	0.17	0.39
238	Red gum eucalyptus	13.0	8.70	Excellent	17.79	0.03	0.08
239	Sugargum	67.0	23.10	Good	652.11	1.21	2.76
240	Sugargum	58.0	24.20	Good	755.26	1.40	3.19
241	Sugargum	74.0	25.50	Good	553.55	1.03	2.34
242	Red gum eucalyptus	75.0	15.50	Good	370.07	0.69	1.56
243	Narrow-leaved box	37.6	10.10	Fair	195.16	0.36	0.82
244	Narrow-leaved box	29.0	6.70	Good	59.28	0.11	0.25
245	Narrow-leaved box	3.0	2.80	Excellent	13.09	0.02	0.06
246	Red gum eucalyptus	9.0	8.70	Good	64.17	0.12	0.27
247	Drooping she-oak	5.0	4.20	Excellent	9.08	0.01	0.03
248	Drooping she-oak	33.0	15.10	Good	166.02	0.21	0.47
249	Lemonscented gum	50.0	20.00	Good	798.30	1.48	3.37
250	Red gum eucalyptus	7.0	7.60	Good	10.98	0.02	0.05
251	Red gum eucalyptus	25.0	14.50	Good	155.60	0.29	0.66
252	Red gum eucalyptus	30.0	18.70	Excellent	159.57	0.30	0.67
253	Red gum eucalyptus	16.0	13.50	Good	101.13	0.19	0.43
254	Red gum eucalyptus	7.0	5.90	Excellent	8.21	0.02	0.03
255	Red gum eucalyptus	5.0	6.70	Excellent	4.07	0.01	0.02
256	Red gum eucalyptus	13.0	8.60	Good	38.18	0.07	0.16
257	White ironbark	124.0	27.30	Fair	1,609.47	2.99	6.80
258	Weeping bottlebrush	33.3	6.00	Good	148.39	0.28	0.63
259	Weeping bottlebrush	31.5	5.50	Good	149.95	0.28	0.63
260	Peppermint tree	41.4	7.50	Good	234.23	0.44	0.99
261	Narrow-leaved box	25.0	10.20	Good	177.08	0.33	0.75

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
262	Sugargum	39.0	14.20	Good	374.28	0.70	1.58
263	River she-oak	14.0	8.00	Excellent	106.80	0.20	0.45
264	Narrow-leaved box	23.0	5.50	Good	188.70	0.35	0.80
265	Red gum eucalyptus	32.0	14.70	Good	249.97	0.46	1.06
266	White ironbark	13.0	8.70	Good	115.35	0.21	0.49
267	Red gum eucalyptus	49.0	15.00	Good	455.88	0.85	1.93
268	White ironbark	19.0	14.10	Good	83.79	0.16	0.35
269	Narrow-leaved box	22.0	14.10	Good	289.28	0.54	1.22
270	White ironbark	20.0	8.10	Good	153.35	0.29	0.65
271	Red gum eucalyptus	163.0	24.70	Good	1,760.61	3.27	7.44
272	Red gum eucalyptus	8.0	7.40	Excellent	28.98	0.05	0.12
273	Red gum eucalyptus	7.0	6.10	Excellent	14.97	0.03	0.06
274	Red gum eucalyptus	3.0	2.30	Excellent	7.84	0.01	0.03
275	Red gum eucalyptus	6.0	5.50	Excellent	12.30	0.02	0.05
276	Red gum eucalyptus	3.0	4.00	Excellent	5.03	0.01	0.02
277	Drooping melaleuca	52.7	11.80	Excellent	368.84	0.69	1.56
278	Desert ash	40.0	13.30	Good	140.66	0.17	0.40
279	Desert ash	69.0	20.90	Good	904.07	1.12	2.54
280	Stiffleaf cheesewood	4.0	4.00	Excellent	7.11	0.01	0.03
281	Stiffleaf cheesewood	3.0	3.30	Excellent	12.21	0.02	0.05
282	Stiffleaf cheesewood	4.2	3.30	Excellent	8.09	0.02	0.03
283	Stiffleaf cheesewood	5.7	3.60	Excellent	19.68	0.04	0.08
284	Stiffleaf cheesewood	6.0	2.00	Dead	0.00	0.00	0.00
285	peppertree spp	61.1	11.10	Good	204.55	0.38	0.86
286	Orange wattle	7.0	4.90	Excellent	26.23	0.05	0.11
287	Narrow-leaved box	35.0	13.20	Fair	328.13	0.61	1.39
288	European Olive	26.9	8.90	Good	119.29	0.15	0.34
289	European Olive	26.9	11.20	Good	17.74	0.02	0.05
290	Narrow-leaved box	20.0	16.20	Good	49.99	0.09	0.21
291	Narrow-leaved box	60.0	23.10	Good	761.77	1.42	3.22
292	European Olive	33.8	10.40	Fair	154.97	0.19	0.44
293	peppertree spp	70.0	19.90	Good	654.43	1.22	2.77
294	European Olive	39.6	10.00	Excellent	181.59	0.22	0.51
295	European Olive	40.0	10.60	Good	241.66	0.30	0.68
296	European Olive	62.9	13.30	Excellent	729.31	0.90	2.05
297	European Olive	45.2	14.00	Good	322.64	0.40	0.91
298	European Olive	42.6	8.80	Good	194.74	0.24	0.55
299	Orange cotoneaster	16.0	5.90	Fair	69.53	0.13	0.29
300	Drooping she-oak	18.0	13.10	Dying	7.41	0.01	0.02
301	Red gum eucalyptus	21.0	13.00	Good	116.10	0.22	0.49
302	Mugga ironbark	32.0	14.20	Poor	188.87	0.35	0.80
303	Sugargum	76.0	24.50	Good	854.31	1.59	3.61
304	gum spp	18.0	8.10	Good	93.28	0.17	0.39
305	Red gum eucalyptus	10.0	7.50	Good	58.37	0.11	0.25
306	Narrow-leaved box	26.0	21.50	Good	5.23	0.01	0.02
307	Drooping she-oak	5.0	4.10	Dead	0.00	0.00	0.00
308	Drooping she-oak	11.0	7.50	Excellent	24.14	0.03	0.07
309	Drooping she-oak	6.0	7.40	Dead	0.00	0.00	0.00
310	Drooping she-oak	7.0	7.40	Excellent	18.57	0.02	0.05
311	Drooping she-oak	6.0	5.40	Excellent	12.15	0.02	0.03
312	Drooping she-oak	5.0	8.80	Dead	0.00	0.00	0.00
313	Drooping she-oak	4.0	6.30	Excellent	6.81	0.01	0.02
314	Drooping she-oak	4.0	4.80	Excellent	7.20	0.01	0.02
315	Drooping she-oak	6.0	7.30	Excellent	10.55	0.01	0.03
316	Drooping she-oak	7.1	5.60	Excellent	14.18	0.02	0.04
317	Drooping she-oak	5.0	6.40	Excellent	10.80	0.01	0.03
318	Drooping she-oak	5.0	6.60	Excellent	7.36	0.01	0.02
319	Drooping she-oak	4.0	3.90	Dead	0.00	0.00	0.00
320	Drooping she-oak	4.0	6.20	Good	7.84	0.01	0.02
321	Drooping she-oak	4.0	5.50	Good	7.68	0.01	0.02
322	Drooping she-oak	5.0	8.10	Excellent	4.94	0.01	0.01
323	Drooping she-oak	7.0	8.50	Excellent	17.67	0.02	0.05
324	Drooping she-oak	7.0	5.60	Excellent	49.08	0.06	0.14
325	Drooping she-oak	7.0	4.30	Excellent	21.68	0.03	0.06
326	White ironbark	21.0	5.60	Fair	90.27	0.17	0.38
327	Drooping she-oak	3.0	3.00	Excellent	9.46	0.01	0.03

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
328	Drooping she-oak	6.0	4.00	Excellent	21.29	0.03	0.06
329	Drooping she-oak	6.0	2.00	Excellent	13.76	0.02	0.04
330	Drooping she-oak	5.0	2.40	Excellent	16.99	0.02	0.05
331	Drooping she-oak	5.0	8.50	Excellent	6.41	0.01	0.02
332	Drooping she-oak	5.0	7.60	Excellent	14.95	0.02	0.04
333	Drooping she-oak	7.0	6.00	Excellent	17.08	0.02	0.05
334	Drooping she-oak	25.5	9.50	Good	65.84	0.08	0.19
335	Drooping she-oak	16.0	5.80	Dead	0.00	0.00	0.00
336	Victorian box	5.0	7.00	Excellent	24.42	0.05	0.10
337	Monterey pine	6.0	6.80	Excellent	3.73	0.01	0.02
338	White ironbark	34.0	18.60	Fair	397.88	0.74	1.68
339	Drooping melaleuca	30.0	10.60	Good	291.76	0.54	1.23
340	Red gum eucalyptus	174.0	30.50	Good	2,346.17	4.36	9.91
341	Red gum eucalyptus	21.0	6.40	Good	62.33	0.12	0.26
342	Red gum eucalyptus	44.0	19.90	Good	349.17	0.65	1.48
343	Vinegartree	25.0	8.20	Good	181.37	0.34	0.77
344	Crimson bottlebrush	8.0	3.00	Good	12.10	0.02	0.05
345	Red gum eucalyptus	25.0	10.60	Good	213.83	0.40	0.90
346	Narrow-leaved box	147.0	9.00	Fair	340.88	0.63	1.44
347	Inland Red Box	66.0	19.20	Good	623.85	1.16	2.64
348	Vinegartree	21.0	8.50	Good	178.07	0.33	0.75
349	White ironbark	36.0	14.30	Fair	146.92	0.27	0.62
350	White ironbark	88.0	14.50	Critical	107.58	0.20	0.45
351	Red gum eucalyptus	80.0	19.30	Good	496.36	0.92	2.10
352	Red gum eucalyptus	79.0	24.30	Good	1,065.06	1.98	4.50
353	Inland Red Box	69.0	20.70	Good	1,065.06	1.98	4.50
354	Red gum eucalyptus	23.0	9.60	Excellent	193.75	0.36	0.82
355	peppertree spp	19.8	7.30	Excellent	124.80	0.23	0.53
356	White ironbark	72.0	19.40	Good	1,299.13	2.42	5.49
357	European Olive	36.7	10.60	Good	344.78	0.43	0.97
358	Kurrajong	49.0	10.20	Excellent	225.60	0.42	0.95
359	European Olive	51.6	9.40	Excellent	303.46	0.38	0.85
360	Desert ash	88.0	14.60	Good	298.78	0.37	0.84
361	European Olive	54.7	9.80	Excellent	257.83	0.32	0.73
362	River she-oak	70.0	23.00	Fair	644.15	1.20	2.72
363	Weeping bottlebrush	22.6	7.40	Excellent	118.10	0.22	0.50
364	Kurrajong	71.0	11.90	Excellent	446.76	0.83	1.89
365	peppertree spp	164.0	13.30	Fair	944.25	1.76	3.99
366	acacia spp	7.0	3.50	Excellent	22.49	0.03	0.06
367	Weeping bottlebrush	5.4	2.60	Excellent	21.77	0.04	0.09
368	Weeping bottlebrush	14.4	5.60	Excellent	29.38	0.05	0.12
369	Weeping bottlebrush	9.4	5.20	Excellent	18.21	0.03	0.08
370	Weeping bottlebrush	10.0	8.00	Good	33.26	0.06	0.14
371	Weeping bottlebrush	12.1	6.00	Good	46.51	0.09	0.20
372	Weeping bottlebrush	9.3	6.20	Good	19.35	0.04	0.08
373	Weeping bottlebrush	10.0	3.50	Good	21.95	0.04	0.09
374	Weeping bottlebrush	8.0	6.40	Good	38.13	0.07	0.16
375	Weeping bottlebrush	6.4	5.10	Good	26.19	0.05	0.11
376	Weeping bottlebrush	10.8	5.20	Good	48.86	0.09	0.21
377	Primrose tree	46.3	14.50	Excellent	170.36	0.32	0.72
378	Primrose tree	44.0	14.10	Excellent	190.16	0.35	0.80
379	Weeping bottlebrush	6.7	4.30	Good	20.39	0.04	0.09
380	Weeping bottlebrush	7.2	4.10	Good	15.30	0.03	0.06
381	Weeping bottlebrush	10.0	4.20	Good	22.76	0.04	0.10
382	Weeping bottlebrush	8.1	4.40	Good	25.12	0.05	0.11
383	Weeping bottlebrush	7.8	4.50	Good	37.35	0.07	0.16
384	Weeping bottlebrush	13.3	5.00	Good	47.86	0.09	0.20
385	Weeping bottlebrush	7.5	4.60	Good	29.66	0.06	0.13
386	Weeping bottlebrush	14.1	5.20	Good	78.36	0.15	0.33
387	Queensland pittosporum	14.0	5.30	Good	57.78	0.11	0.24
388	European Olive	32.0	14.70	Fair	264.01	0.33	0.74
389	European Olive	29.0	11.40	Fair	274.60	0.34	0.77
390	European Olive	28.0	10.80	Good	57.93	0.07	0.16
391	European Olive	41.8	7.30	Fair	137.60	0.17	0.39
392	European Olive	34.0	6.60	Critical	17.34	0.02	0.05
393	European Olive	3.6	4.00	Poor	6.37	0.01	0.02

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
394	European Olive	6.0	4.90	Good	11.11	0.01	0.03
395	European Olive	23.3	6.30	Good	77.60	0.10	0.22
396	European Olive	4.0	4.00	Good	13.03	0.02	0.04
397	European Olive	4.0	4.20	Good	13.80	0.02	0.04
398	European Olive	3.0	6.00	Excellent	6.67	0.01	0.02
399	European Olive	10.0	7.90	Good	42.33	0.05	0.12
400	European Olive	30.3	13.70	Fair	259.60	0.32	0.73
401	European Olive	68.9	15.10	Good	468.09	0.58	1.32
402	European Olive	5.0	6.00	Fair	17.24	0.02	0.05
403	European Olive	21.0	4.80	Dying	84.92	0.11	0.24
404	European Olive	28.3	12.60	Good	219.06	0.27	0.62
405	European Olive	18.6	12.30	Fair	143.55	0.18	0.40
406	European Olive	14.0	6.90	Good	42.13	0.05	0.12
407	European Olive	14.0	12.20	Good	63.85	0.08	0.18
408	Red gum eucalyptus	128.0	26.00	Good	1,245.22	2.32	5.26
409	European Olive	4.0	2.90	Excellent	10.59	0.01	0.03
410	European Olive	6.0	6.30	Excellent	22.57	0.03	0.06
411	European Olive	5.0	3.30	Excellent	16.97	0.02	0.05
412	European Olive	3.0	5.00	Excellent	10.95	0.01	0.03
413	European Olive	16.0	5.60	Excellent	135.66	0.17	0.38
414	European Olive	9.0	4.10	Excellent	46.22	0.06	0.13
415	European Olive	42.0	11.20	Fair	152.92	0.19	0.43
416	European Olive	30.8	8.60	Fair	67.97	0.08	0.19
417	European Olive	4.2	2.80	Excellent	20.44	0.03	0.06
418	European Olive	27.0	11.60	Good	207.14	0.26	0.58
419	European Olive	17.0	12.30	Good	74.90	0.09	0.21
420	European Olive	32.0	12.40	Good	238.89	0.30	0.67
421	European Olive	44.5	5.70	Good	185.04	0.23	0.52
422	European Olive	13.0	7.80	Good	89.70	0.11	0.25
423	European Olive	23.0	5.60	Dead	0.00	0.00	0.00
424	European Olive	13.8	7.80	Good	68.18	0.08	0.19
425	Drooping she-oak	3.0	6.00	Excellent	25.01	0.03	0.07
426	Desert ash	44.0	19.30	Good	477.60	0.59	1.34
427	Desert ash	43.0	16.80	Poor	321.20	0.40	0.90
428	European Olive	16.6	10.50	Good	57.12	0.07	0.16
429	European Olive	21.0	6.10	Good	94.80	0.12	0.27
430	European Olive	18.0	12.10	Fair	55.22	0.07	0.16
431	Desert ash	29.0	14.60	Good	96.06	0.12	0.27
432	European Olive	35.0	9.40	Good	228.42	0.28	0.64
433	European Olive	22.8	11.30	Excellent	145.40	0.18	0.41
434	Desert ash	9.9	6.90	Excellent	45.72	0.06	0.13
435	Desert ash	23.0	13.90	Excellent	166.83	0.21	0.47
436	Desert ash	13.0	5.20	Good	50.19	0.06	0.14
437	Desert ash	7.0	4.80	Good	19.92	0.02	0.06
438	Desert ash	9.0	3.30	Excellent	20.86	0.03	0.06
439	Desert ash	10.0	6.60	Good	19.92	0.02	0.06
440	Desert ash	9.0	7.00	Excellent	38.64	0.05	0.11
441	Desert ash	10.6	8.60	Excellent	83.73	0.10	0.24
442	Boxelder	15.6	7.20	Good	185.27	0.23	0.52
443	Creeping mirrorplant	5.0	3.90	Excellent	17.28	0.03	0.07
444	European Olive	10.0	6.00	Excellent	50.48	0.06	0.14
445	European Olive	3.0	3.10	Excellent	16.01	0.02	0.05
446	Red gum eucalyptus	84.0	18.30	Dead	0.00	0.00	0.00
447	European Olive	38.6	6.70	Excellent	275.07	0.34	0.77
448	Narrow-leaved box	35.0	8.70	Dead	0.00	0.00	0.00
449	European Olive	9.3	6.90	Good	34.40	0.04	0.10
450	European Olive	35.1	9.40	Excellent	193.12	0.24	0.54
451	Narrow-leaved box	27.0	10.60	Good	259.78	0.48	1.10
452	European Olive	10.8	6.20	Good	68.31	0.08	0.19
453	Red gum eucalyptus	67.0	19.10	Good	536.80	1.00	2.27
454	European Olive	4.0	5.00	Good	13.95	0.02	0.04
455	European Olive	21.0	7.90	Good	63.97	0.08	0.18
456	European Olive	17.0	6.90	Good	45.20	0.06	0.13
457	European Olive	10.0	4.30	Good	18.79	0.02	0.05
458	European Olive	14.0	7.60	Good	38.45	0.05	0.11
459	European Olive	24.2	8.40	Good	110.09	0.14	0.31

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
460	European Olive	40.0	3.70	Excellent	7.54	0.01	0.02
461	European Olive	7.2	6.30	Poor	32.84	0.04	0.09
462	European Olive	53.2	13.40	Good	538.14	0.67	1.51
463	European Olive	37.5	6.70	Fair	163.32	0.20	0.46
464	European Olive	15.3	6.70	Good	54.31	0.07	0.15
465	European Olive	18.0	7.00	Fair	108.11	0.13	0.30
466	European Olive	3.0	3.80	Excellent	11.11	0.01	0.03
467	European Olive	22.0	3.90	Excellent	56.28	0.07	0.16
468	European Olive	32.7	11.90	Good	280.35	0.35	0.79
469	European Olive	35.5	13.70	Good	394.97	0.49	1.11
470	European Olive	30.4	13.90	Good	257.61	0.32	0.72
471	European Olive	30.7	7.70	Good	137.62	0.17	0.39
472	European Olive	17.0	5.80	Good	61.47	0.08	0.17
473	European Olive	19.0	8.40	Good	115.01	0.14	0.32
474	European Olive	20.0	11.80	Good	138.74	0.17	0.39
475	European Olive	45.0	13.00	Poor	289.18	0.36	0.81
476	European Olive	28.9	8.00	Good	146.81	0.18	0.41
477	European Olive	32.6	9.00	Poor	141.12	0.17	0.40
478	European Olive	5.7	4.80	Excellent	19.23	0.02	0.05
479	European Olive	32.2	7.20	Dying	121.77	0.15	0.34
480	European Olive	44.8	9.10	Good	262.58	0.33	0.74
481	European Olive	35.8	6.00	Good	259.15	0.32	0.73
482	European Olive	3.0	4.50	Excellent	5.84	0.01	0.02
483	European Olive	8.0	4.90	Excellent	15.98	0.02	0.04
484	European Olive	42.6	11.10	Good	165.99	0.21	0.47
485	European Olive	22.4	12.60	Good	155.46	0.19	0.44
486	European Olive	20.0	17.30	Good	145.71	0.18	0.41
487	European Olive	24.0	6.10	Good	60.37	0.07	0.17
488	European Olive	18.8	3.00	Fair	52.33	0.06	0.15
489	European Olive	25.7	11.80	Good	330.37	0.41	0.93
490	European Olive	3.0	4.80	Excellent	7.36	0.01	0.02
491	European Olive	4.0	4.60	Excellent	16.41	0.02	0.05
492	European Olive	36.1	9.50	Good	296.93	0.37	0.84
493	European Olive	31.0	6.20	Good	165.71	0.21	0.47
494	European Olive	21.0	7.40	Dying	87.77	0.11	0.25
495	European Olive	5.0	4.60	Excellent	9.40	0.01	0.03
496	European Olive	23.5	7.00	Good	164.44	0.20	0.46
497	Narrow-leaved box	23.0	4.70	Dead	0.00	0.00	0.00
498	European Olive	67.1	10.70	Good	323.45	0.40	0.91
499	European Olive	16.7	7.10	Good	140.25	0.17	0.39
500	European Olive	127.0	16.90	Dying	16.02	0.02	0.05
501	Weeping bottlebrush	27.1	10.80	Excellent	340.62	0.63	1.44
502	Weeping bottlebrush	12.0	9.70	Excellent	42.21	0.08	0.18
503	Weeping bottlebrush	14.9	10.30	Excellent	52.10	0.10	0.22
504	Weeping bottlebrush	18.8	11.30	Good	38.18	0.07	0.16
505	Red gum eucalyptus	142.0	23.50	Fair	1,160.89	2.16	4.91
506	Red gum eucalyptus	82.0	25.10	Fair	847.75	1.58	3.58
507	Spotted gum	3.0	3.20	Excellent	10.61	0.02	0.04
508	Lemonscented gum	53.0	23.70	Good	447.88	0.83	1.89
509	White ironbark	3.0	2.70	Fair	10.12	0.02	0.04
510	White ironbark	114.0	15.10	Good	263.94	0.49	1.12
511	Silk oak	37.0	15.10	Fair	195.29	0.36	0.83
512	Red gum eucalyptus	41.0	14.30	Good	345.40	0.64	1.46
513	White ironbark	65.0	17.50	Good	1,184.76	2.20	5.01
514	European Olive	65.0	17.50	Good	1,184.76	1.47	3.33
515	European Olive	65.0	17.50	Good	1,184.76	1.47	3.33
516	Red gum eucalyptus	6.0	17.50	Good	1,184.76	2.20	5.01
517	Red gum eucalyptus	16.0	17.50	Good	1,184.76	2.20	5.01
518	Red gum eucalyptus	16.0	17.50	Good	1,184.76	2.20	5.01
519	Red gum eucalyptus	29.0	16.20	Good	332.51	0.62	1.41
520	Red gum eucalyptus	11.0	6.00	Good	28.68	0.05	0.12
521	Red gum eucalyptus	12.0	9.00	Fair	30.94	0.06	0.13
522	Red gum eucalyptus	4.0	3.80	Excellent	11.11	0.02	0.05
523	Red gum eucalyptus	11.0	10.50	Good	52.01	0.10	0.22
524	Florida hopbush	3.0	3.70	Good	5.41	0.01	0.02
525	Native Apricot	3.0	2.20	Excellent	4.20	0.01	0.02

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m ²)	Avoided Runoff (m ³ /yr)	Avoided Runoff Value (A\$)
526	White ironbark	15.0	8.20	Excellent	54.83	0.10	0.23
527	Red gum eucalyptus	27.8	14.60	Good	247.13	0.46	1.04
528	River she-oak	6.4	3.30	Excellent	10.24	0.02	0.04
529	European Olive	5.8	4.50	Excellent	17.14	0.02	0.05
530	Red gum eucalyptus	83.6	22.20	Fair	851.63	1.58	3.60
531	Golden wattle	5.0	3.20	Dead	0.00	0.00	0.00
532	Paradox acacia	3.0	4.20	Excellent	28.43	0.05	0.12
533	Florida hopbush	3.0	1.80	Excellent	18.94	0.04	0.08
534	Red gum eucalyptus	20.0	9.10	Good	90.71	0.17	0.38
535	Florida hopbush	6.4	2.50	Good	13.20	0.02	0.06
536	Golden wattle	9.2	6.60	Good	22.31	0.04	0.09
537	acacia spp	5.7	5.60	Good	37.83	0.05	0.11
538	Wallangara Wattle	5.0	8.10	Good	67.23	0.13	0.28
539	Red gum eucalyptus	7.0	7.10	Good	17.61	0.03	0.07
540	Florida hopbush	5.0	3.20	Excellent	21.46	0.04	0.09
541	Golden wattle	6.0	3.70	Poor	2.95	0.01	0.01
542	Florida hopbush	11.7	8.00	Good	77.41	0.14	0.33
543	Wallangara Wattle	7.1	6.10	Good	49.04	0.09	0.21
544	Desert ash	3.0	4.60	Excellent	13.70	0.02	0.04
545	Red gum eucalyptus	218.0	33.00	Fair	1,343.13	2.50	5.68
546	Red gum eucalyptus	16.0	6.70	Excellent	23.61	0.04	0.10
547	Red gum eucalyptus	42.0	14.20	Good	362.56	0.67	1.53
548	White ironbark	17.0	11.40	Good	171.24	0.32	0.72
549	White ironbark	4.0	2.70	Excellent	5.38	0.01	0.02
550	Desert ash	23.6	9.20	Good	186.83	0.23	0.53
551	Desert ash	196.0	30.10	Good	2,193.59	2.72	6.17
552	Desert ash	9.0	5.80	Excellent	19.01	0.02	0.05
553	Florida hopbush	6.4	4.20	Good	16.31	0.03	0.07
554	Red gum eucalyptus	200.0	36.60	Fair	2,449.28	4.56	10.35
555	White ironbark	12.0	8.10	Good	44.08	0.08	0.19
556	Sugargum	25.0	15.40	Good	390.38	0.73	1.65
557	White ironbark	12.0	7.30	Good	54.46	0.10	0.23
558	Narrow-leaved box	9.0	4.60	Good	35.48	0.07	0.15
559	Narrow-leaved box	9.0	5.60	Good	51.31	0.10	0.22
560	Red gum eucalyptus	49.0	14.80	Good	277.60	0.52	1.17
561	Desert ash	28.0	12.90	Good	96.44	0.12	0.27
562	Desert ash	15.0	6.50	Excellent	40.12	0.05	0.11
563	Desert ash	16.0	5.70	Good	51.14	0.06	0.14
564	Desert ash	18.0	10.50	Good	55.78	0.07	0.16
565	Desert ash	28.3	10.80	Fair	52.83	0.07	0.15
566	Desert ash	59.0	18.90	Good	472.95	0.59	1.33
567	Desert ash	22.0	5.20	Fair	22.11	0.03	0.06
568	Desert ash	5.0	1.50	Dead	0.00	0.00	0.00
569	Desert ash	48.0	17.50	Fair	479.58	0.59	1.35
570	Dutch elm	3.0	1.70	Excellent	11.26	0.01	0.03
571	Desert ash	8.0	6.50	Excellent	7.49	0.01	0.02
572	Dutch elm	14.0	6.60	Excellent	55.57	0.07	0.16
573	Spotted gum	4.0	4.30	Excellent	12.34	0.02	0.05
574	Weeping bottlebrush	4.0	2.50	Dying	1.54	0.00	0.01
575	Weeping bottlebrush	9.9	6.40	Good	64.70	0.12	0.27
576	Desert ash	3.0	3.60	Excellent	3.02	0.00	0.01
577	European Olive	4.2	2.80	Excellent	10.41	0.01	0.03
578	Weeping bottlebrush	5.0	4.40	Dead	0.00	0.00	0.00
579	California privet	9.8	5.20	Excellent	19.50	0.04	0.08
580	Weeping bottlebrush	14.0	6.20	Good	20.44	0.04	0.09
581	European Olive	7.0	9.50	Excellent	14.06	0.02	0.04
582	California privet	10.7	6.70	Excellent	46.69	0.09	0.20
583	Weeping bottlebrush	7.8	4.10	Excellent	32.74	0.06	0.14
584	Weeping bottlebrush	8.5	3.70	Excellent	30.45	0.06	0.13
585	Orange wattle	42.0	9.60	Excellent	401.94	0.75	1.70
586	melaleuca spp	3.0	1.80	Excellent	7.74	0.01	0.03
587	melaleuca spp	4.2	3.00	Excellent	6.67	0.01	0.03
588	Orange wattle	37.0	10.70	Good	400.42	0.74	1.69
589	Orange wattle	37.0	10.00	Fair	367.16	0.68	1.55
590	melaleuca spp	4.2	3.70	Good	4.94	0.01	0.02
591	Florida hopbush	19.8	7.30	Good	126.26	0.23	0.53

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
592	Pine-leaved Bottlebrush	19.6	4.50	Excellent	94.65	0.18	0.40
593	Red gum eucalyptus	16.0	11.10	Good	172.92	0.32	0.73
594	Red gum eucalyptus	4.0	3.60	Excellent	11.29	0.02	0.05
595	Red gum eucalyptus	30.0	9.40	Good	393.65	0.73	1.66
596	Red gum eucalyptus	105.0	20.10	Good	1,053.85	1.96	4.45
597	Red gum eucalyptus	113.0	23.10	Good	806.94	1.50	3.41
598	White ironbark	15.0	10.00	Fair	40.31	0.07	0.17
599	White ironbark	26.0	16.80	Good	110.89	0.21	0.47
600	White ironbark	43.0	21.40	Good	662.30	1.23	2.80
601	Tawhiwhi	23.0	8.60	Excellent	200.41	0.37	0.85
602	Narrow-leaved box	43.0	15.80	Good	572.34	1.06	2.42
603	Narrow-leaved box	19.0	7.80	Fair	95.38	0.18	0.40
604	Narrow-leaved box	77.0	14.80	Fair	244.10	0.45	1.03
605	Red gum eucalyptus	13.0	7.70	Good	56.87	0.11	0.24
606	Narrow-leaved box	36.4	11.60	Good	306.67	0.57	1.30
607	Red gum eucalyptus	72.8	19.50	Good	741.00	1.38	3.13
608	Red gum eucalyptus	111.0	25.40	Fair	1,169.30	2.18	4.94
609	White ironbark	97.0	12.90	Fair	201.60	0.38	0.85
610	Red gum eucalyptus	45.0	13.60	Good	252.46	0.47	1.07
611	Narrow-leaved box	55.0	14.10	Dead	0.00	0.00	0.00
612	Red gum eucalyptus	15.0	7.60	Good	83.90	0.16	0.35
613	Red gum eucalyptus	6.0	5.70	Good	12.13	0.02	0.05
614	Red gum eucalyptus	31.0	13.10	Fair	190.92	0.36	0.81
615	Narrow-leaved box	90.0	21.00	Poor	628.24	1.17	2.65
616	Narrow-leaved box	49.0	15.00	Good	117.24	0.22	0.50
617	Narrow-leaved box	75.0	22.00	Good	261.50	0.49	1.11
618	Native Apricot	4.2	3.30	Excellent	3.48	0.01	0.01
619	Narrow-leaved box	9.0	7.70	Good	49.93	0.09	0.21
620	Red gum eucalyptus	70.0	23.30	Good	799.77	1.49	3.38
621	Narrow-leaved box	43.0	18.80	Poor	281.40	0.52	1.19
622	Silk oak	27.0	15.00	Good	201.29	0.37	0.85
623	Red gum eucalyptus	34.0	14.40	Good	92.12	0.17	0.39
624	Red gum eucalyptus	59.0	21.70	Good	330.08	0.61	1.39
625	Narrow-leaved box	58.0	20.20	Good	381.18	0.71	1.61
626	Narrow-leaved box	16.0	4.50	Dead	0.00	0.00	0.00
627	Narrow-leaved box	61.0	17.60	Good	360.67	0.67	1.52
628	White ironbark	113.0	21.00	Dead	0.00	0.00	0.00
629	White ironbark	52.0	20.60	Good	676.86	1.26	2.86
630	Silk oak	44.0	21.60	Good	433.12	0.81	1.83
631	Narrow-leaved box	42.0	17.00	Good	302.34	0.56	1.28
632	Narrow-leaved box	67.0	24.70	Good	720.62	1.34	3.05
633	White ironbark	14.0	8.40	Excellent	138.05	0.26	0.58
634	Spotted gum	45.0	25.00	Excellent	397.31	0.74	1.68
635	Coral gum	18.0	8.50	Good	101.14	0.19	0.43
636	White ironbark	17.3	5.10	Excellent	57.03	0.11	0.24
637	Sugargum	65.0	18.30	Good	603.74	1.12	2.55
638	Coral gum	17.0	7.40	Good	52.33	0.10	0.22
639	Drooping melaleuca	35.4	9.20	Good	176.43	0.33	0.75
640	Drooping melaleuca	40.0	10.10	Fair	182.62	0.34	0.77
641	Wallangara Wattle	10.6	5.00	Fair	97.69	0.18	0.41
642	Red gum eucalyptus	129.0	27.90	Good	1,625.86	3.02	6.87
643	Red gum eucalyptus	93.0	23.50	Fair	749.50	1.39	3.17
644	Red gum eucalyptus	38.0	21.80	Good	97.63	0.18	0.41
645	White ironbark	56.0	23.70	Good	418.84	0.78	1.77
646	White ironbark	54.0	24.40	Good	550.86	1.02	2.33
647	Lemonscented gum	16.0	14.40	Good	46.17	0.09	0.20
648	Desert ash	38.4	9.90	Good	264.91	0.33	0.75
649	Jacaranda	17.0	8.90	Excellent	126.02	0.16	0.35
650	Jacaranda	19.4	8.20	Good	158.48	0.20	0.45
651	White ironbark	89.0	26.10	Fair	821.84	1.53	3.47
652	Red gum eucalyptus	50.0	12.10	Dead	0.00	0.00	0.00
653	Red gum eucalyptus	158.0	28.60	Good	1,462.82	2.72	6.18
654	Desert ash	58.0	15.10	Fair	579.91	0.72	1.63
655	Weeping bottlebrush	7.2	3.30	Good	24.60	0.05	0.10
656	White ironbark	15.7	7.50	Poor	50.37	0.09	0.21
657	White ironbark	19.0	9.10	Poor	175.37	0.33	0.74

Tree ID	Species Name	DBH (cm)	Height (m)	Tree Condition	Leaf Area (m2)	Avoided Runoff (m3/yr)	Avoided Runoff Value (A\$)
658	Weeping bottlebrush	8.5	3.30	Excellent	29.50	0.05	0.12
659	Thorny Coral Tree	52.0	12.80	Excellent	332.06	0.41	0.93
660	Thorny Coral Tree	56.0	11.30	Excellent	277.72	0.34	0.78
661	White ironbark	25.0	3.30	Excellent	29.50	0.05	0.12
662	European Olive	3.0	3.50	Excellent	8.41	0.01	0.02
663	Jacaranda	15.0	8.40	Excellent	67.20	0.08	0.19
664	Wallangara Wattle	5.7	3.00	Good	18.98	0.04	0.08
665	Wallangara Wattle	4.0	3.10	Excellent	16.85	0.03	0.07
666	Chinaberry	22.8	7.20	Good	131.93	0.16	0.37
667	Wallangara Wattle	3.0	4.90	Excellent	21.79	0.04	0.09
668	Illwarra Flame Tree	26.6	7.40	Good	31.90	0.04	0.09
669	Weeping bottlebrush	20.1	7.20	Good	76.22	0.14	0.32
670	Weeping bottlebrush	11.1	4.40	Excellent	33.82	0.06	0.14
671	Weeping bottlebrush	25.5	9.90	Good	191.24	0.36	0.81
672	Weeping bottlebrush	12.8	5.60	Good	43.83	0.08	0.19
673	Weeping bottlebrush	24.3	7.70	Good	198.58	0.37	0.84
674	Weeping bottlebrush	18.0	11.80	Good	78.52	0.15	0.33
675	Desert ash	22.0	10.80	Good	220.93	0.27	0.62
676	Syagrus romanzoffiana	8.0	4.30	Good	35.56	0.07	0.15
677	Desert ash	9.0	6.10	Excellent	14.82	0.02	0.04
678	Red gum eucalyptus	24.0	12.00	Good	224.22	0.42	0.95
679	Silk oak	23.0	11.40	Excellent	106.76	0.20	0.45
680	Canary island date palm	90.0	6.20	Excellent	292.77	0.54	1.24
681	Boxelder	26.3	10.80	Excellent	469.59	0.58	1.32
682	River she-oak	19.0	8.90	Good	131.73	0.25	0.56
683	Red gum eucalyptus	103.0	21.90	Good	1,377.07	2.56	5.82
	TOTAL				146,194	254.46	578

Avoided runoff is calculated by the price A\$2.272/m3