



The City of Melbourne's

FUTURE URBAN FOREST

Identifying vulnerability to future temperatures

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Executive Summary

Climate change is likely to have a significant effect on many trees in the City of Melbourne. Some species will perform better, while some will perform worse. The report describes the results of a project exploring the vulnerability of tree species currently planted in the City of Melbourne, and identifies some potential new species that may be more suitable for the City's climate futures.

A list of species combining those currently in the City of Melbourne's urban forest with those being newly planted in the City of Melbourne was created. The global locations where species occur naturally and are in cultivation (and abundance where available) were compiled from existing datasets, such as 'open data' tree inventories and extracted from other published data, from approximately 200 cities around the world. Temperature (both mean annual temperature and extreme minimum/maximum temperatures) was identified as the main parameter limiting the distribution of trees in cities. Temperatures where species occurred was compiled from global databases. These temperature 'envelopes' for each species were compared with projected climates under current temperatures, and moderate and extreme climate change scenarios for the City of Melbourne to identify the vulnerability of a list of existing and new species to City of Melbourne's future climates.

A total of 2104 tree species currently or potentially being planted in the City of Melbourne were assessed. Of the 375 species currently planted in Melbourne, 39% of species and 19% of currently planted trees were found to be moderately or extremely vulnerable to the existing temperatures occurring in the City of Melbourne (which has already increased by 1.9 °C since the 1950s due to increased urbanisation and climate change). Under a moderate climate change scenario, where mean annual temperatures increase a further 0.8 °C by 2040 (a 25 year timeframe), 48% of species and 35% of currently planted trees were found to be moderately or extremely vulnerable. Under an extreme climate change scenario of a further 3 °C increase in mean annual temperature by 2090, 78% of species and 62% of currently planted trees were found to be moderately or extremely vulnerable. Two groups of trees were particularly vulnerable to increasing temperatures. Species from colder climates, such as northern Europe and the north-Eastern United States and species with narrow climate envelopes, such as many locally indigenous and other native trees (e.g. *Eucalyptus* spp. and *Acacia* spp.). Both these groups of trees are very important in Melbourne for cultural and ecological reasons. Engagement with relevant stakeholders will be crucial if this identified vulnerability leads to changes in the way the City uses these species (e.g. reduced planting in unirrigated streetcapes).

Some caveats must be used when interpreting this data. The methods used in this research allow a large number of species to be assessed using very large datasets. However, there are likely to be some particular species that respond to future climates differently than predicted using this approach, and the data presented here should be combined with physiological data where available to better understand how particular species are responding to temperature and water stress. Also, not all individuals of a particular species will be equally vulnerable. Individual trees that have access to favourable conditions will be less vulnerable than those in difficult sites. Improving soil conditions and water availability may help reduce the vulnerability of existing trees. Suitable site selection, preparation and maintenance may allow individuals of vulnerable species to continue to be planted into the future.

An additional 976 tree species planted in other cities around the world were also assessed. 273 species were found to be within the City of Melbourne's temperature envelope under the moderate climate change scenario, and 241 species within the City of Melbourne's temperature envelope under the extreme climate change scenario. A further 753 species of Australian trees not currently planted in Melbourne were also assessed. Of these, 401 species were within the City of Melbourne's temperature envelope under the moderate climate change scenario, and 148 species within the City of Melbourne's temperature envelope under the extreme climate change scenario. These new species provide a real opportunity to shape the City of Melbourne's future urban forest that is well adapted to environmental conditions and contribute to the cultural fabric and ecological functioning of the city. A better understanding of these species, their horticultural performance, and what they mean for heritage, culture and biodiversity is needed to be able to make informed selections for the future.

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Project Background

The City of Melbourne has successfully launched their Urban Forest strategy, and completed an initial round of planning for all precincts within the City. A key driver of the strategy is to help the City of Melbourne adapt to a changing climate by increasing the cooling provided by the urban forest – primarily by having an increased canopy cover target. However, climate change is also likely to have a significant effect on many trees in the city (Kendal et al., 2012). Some species will perform better, while some will perform worse. Projecting climate change into the future life expectancy of trees (e.g. 100 years), it is possible, even likely, that many species currently being planted in the City are unlikely to survive, let alone thrive. Conversely, there will be many species well suited to the City's future climate that are rarely planted or absent from the City's current urban forest. Work is required to identify both existing and new species that are likely to survive and grow well in the City of Melbourne's future climates.

Urban forests provide many important ecosystem service benefits to humans, such as climate regulation, improved health outcomes, and psychological well-being (Bolund and Hunhammar 1999; Frumkin 2013). They are also critical to the functioning of urban ecosystems, provision of food and habitat for fauna, and regulation of the environment for plant communities. These benefits are driven by the structure and composition of the urban forest, which in turn is shaped by the climate of the city (Kendal et al. 2012; Ramage et al. 2012).

It is now clear that human-induced climate change is leading to environmental change across the globe. While there has been much scientific effort applied to understanding the drivers of climate and mitigating of these drivers, we must now also begin to focus on adapting our cities to climate change (IPCC 2013). This is a particularly important topic for urban landscape managers, who will be among the first to have to deal with the effects of climate change, but who also have a unique capacity to contribute to the adaptation of cities through careful tree selection and management.

Project Aims

The aims of this project were to:

- Identify key limiting factors to the global distribution of tree species cultivated in cities e.g. maximum temperatures, length of dry spells, minimum rainfall, extreme temperatures
- Identify the City of Melbourne's likely future climate for these limiting factors
- Identify:
 1. The vulnerability of current taxa to these environmental changes, and
 2. a palette of plants that are likely to be less vulnerable to Melbourne's future climate

Detailed Methodology

Melbourne's current urban forest

The current tree species list planted and surviving by the City of Melbourne was downloaded from their open data platform in February 2016. This was used to determine the taxa, abundance, health, etc. of different taxa in the city's urban forest (e.g. Table 1). A list of new plantings within the city and within other LGAs in Melbourne was provided by the City of Melbourne, and these species were also included in the analysis. Taxonomy was standardised using the Plant List (<http://www.theplantlist.org/>), an online database that contains a working list of all known plant species that was created by RBG Kew and the Missouri Botanic Gardens. Where the City of Melbourne's trees were only known to the genus level, likely species were selected to use in vulnerability analysis (e.g. *Ulmus x hollandica* was used in place of *Ulmus* spp.).

Table 1 – the 25 most common species in the City of Melbourne

Taxa	Count	Proportional abundance
Eucalyptus camaldulensis	7797	12.0%
Platanus x acerifolia	5478	8.4%
Corymbia maculata	3089	4.7%
Ulmus sp.	2668	4.1%
Eucalyptus melliodora	2647	4.1%
Allocasuarina verticillata	2464	3.8%
Ulmus minor	1931	3.0%
Eucalyptus leucoxylon	1627	2.5%
Corymbia citriodora	1514	2.3%
Acacia mearnsii	1236	1.9%
Angophora costata	1232	1.9%
Acacia implexa	992	1.5%
Acacia melanoxylon	931	1.4%
Lophostemon confertus	885	1.4%
Eucalyptus sp.	765	1.2%
Melia azedarach	752	1.2%
Quercus palustris Ficus macrophylla	738	1.1%
Casuarina cunninghamiana	718	1.1%
Zelkova serrata	682	1.0%
Tristaniopsis laurina	626	1.0%
Eucalyptus sideroxylon	624	1.0%
Schinus molle	612	0.9%
Acer x freemannii 'Jeffersred'	605	0.9%
	590	0.9%

The City of Melbourne's climate

The weather in the City of Melbourne has been recorded at the Melbourne Regional Office weather station in La Trobe street from 1850 to 2014, and at Olympic Park since 2015. The mean annual temperature in City of Melbourne has varied from 13.9 °C to 17.2 °C, and rainfall from 332 to 968 mm. The City of Melbourne's historic mean annual temperature before 1950 was approximately 14.7 °C (Fig.1). Since 1950, this has steadily increased and the average in the last 20 years (1996-2015) has been 16.4 °C. This increase has been more pronounced in minimum (i.e. overnight) temperatures, although increases in daytime temperatures have also been observed. There are some indications that extreme maximum temperatures are also increasing. The mean annual rainfall is 650 mm and while there is much more uncertainty in trends (visible in the large scatter of points on the graph), rainfall over the last 20 years has averaged 564 mm/yr, and during the drought of 2002-2009 rainfall averaged 488 mm/yr. While some of these changes are very likely due to human induced global warming (via CO₂ emissions), the magnitude of these changes have been exacerbated by other factors such as the Urban Heat Island effect.

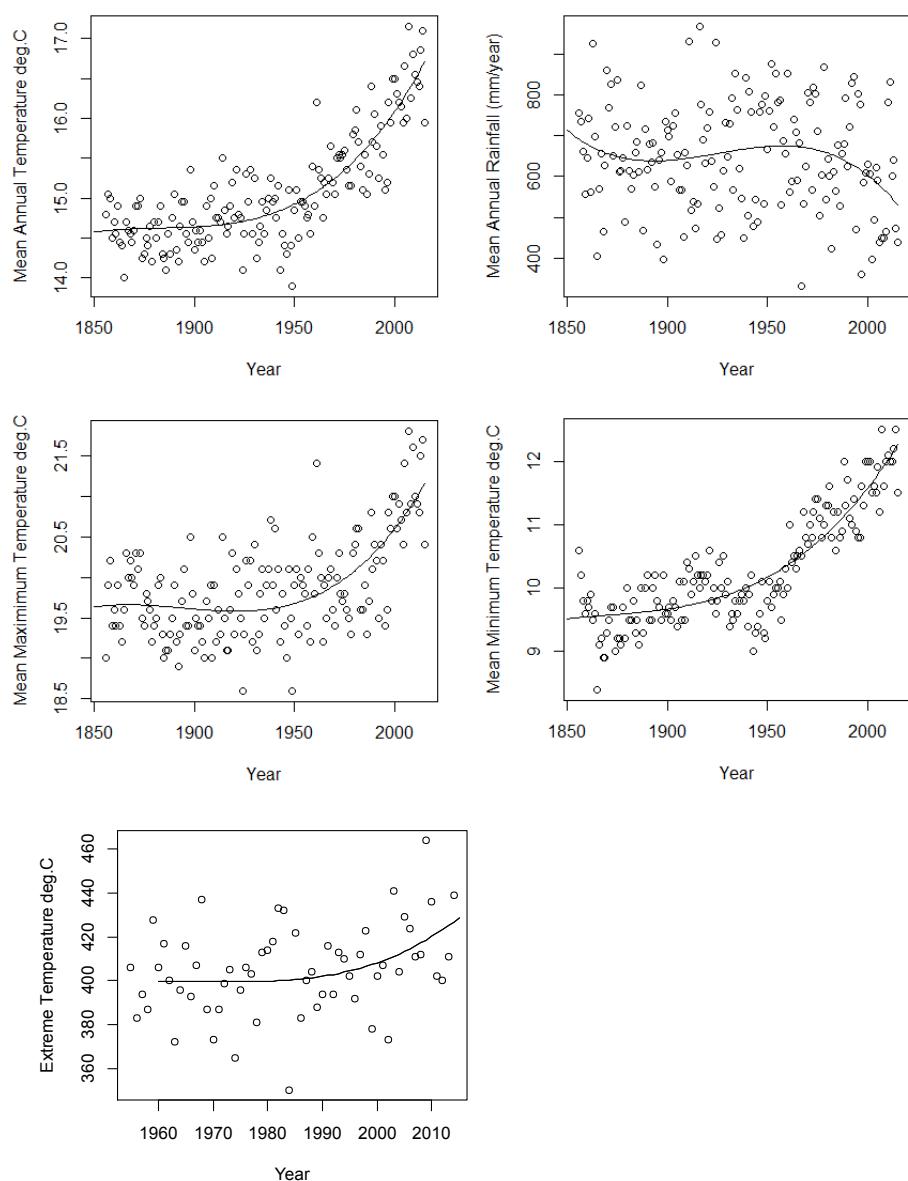


Figure 1 – change in temperature and rainfall in the City of Melbourne over time. Polynomial regression lines of best fit (including quadratic and cubic terms) have been shown.

Climate change projections for Melbourne

A range of different climate change models have been developed to predict future climatic variables from scientific organisations around the world. Best practice combines data from many different models to determine the probability of the direction and size of change in particular climate variables. Different emission scenarios are modelled based on assumptions about whether we will be able to limit global emissions (RCP 4.5 scenario) or allow emissions to continue to increase (RCP 8.5 scenario). Both the RCP 4.5 (Fig.2) and RCP 8.5 (Fig.3) multi-model averages suggest that about 0.5 °C of the temperature increases observed in the City of Melbourne by 2015 can be attributed to climate change. These models predict *additional* temperature increases of between 0.75 °C (for RCP 4.5 by 2040) and 3 °C (RCP 8.5 by 2090, lifting Melbourne's mean annual temperature to between 17.2 °C and 19.4 °C using mean (50th) percentile model predictions. Rainfall projections from these climate models are uncertain although the extreme climate change model predicts a slight (less than 10%) decline by 2090.

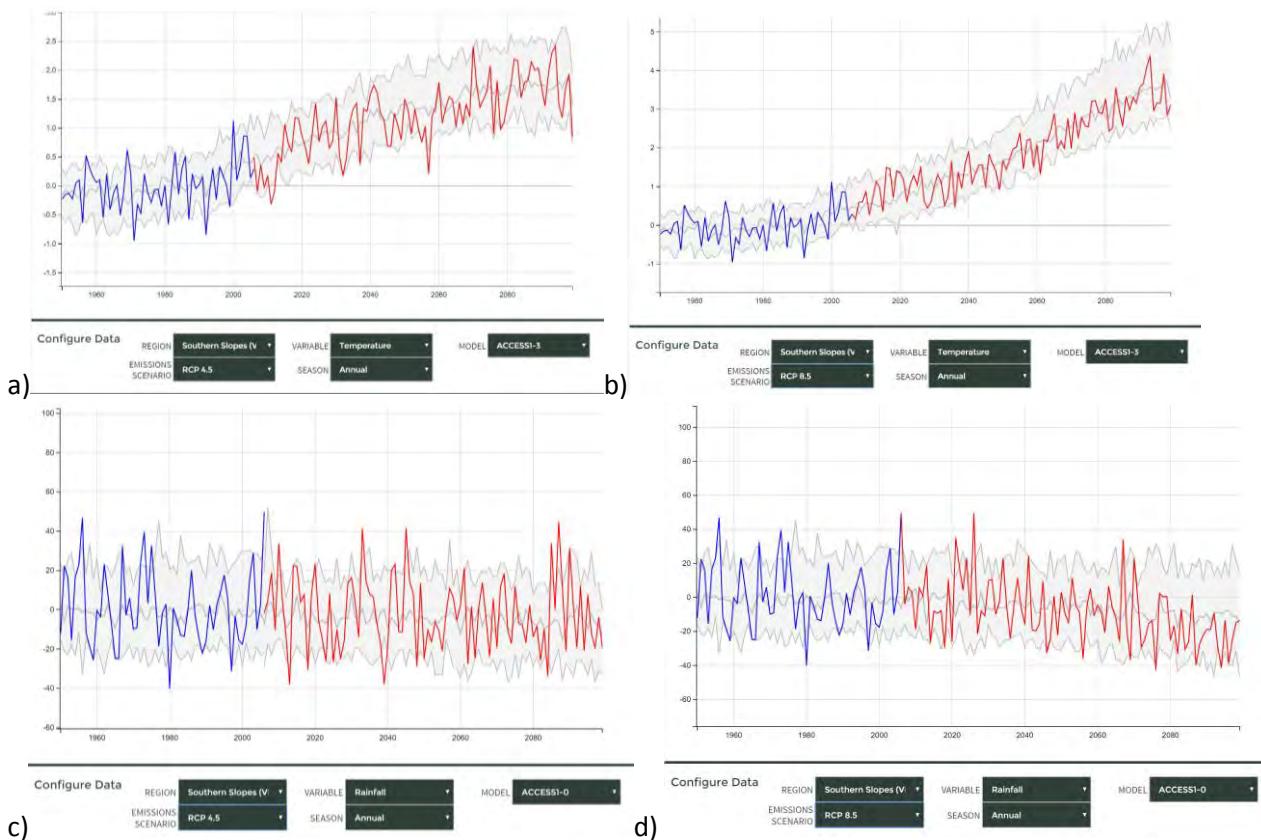
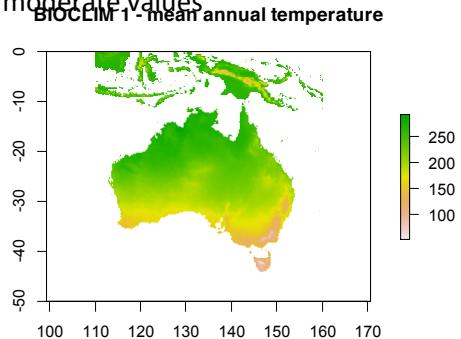


Figure 2 – Change in mean annual temperature (a & b) and rainfall (c & d) for the Southern Slopes region, including Melbourne, projected to 2090 under a & c) the RCP 4.5 moderate emissions scenario and the b & d) business as usual RCP 8.5 emissions scenario. The average, 10th percentile and 90th percentile of climate change models are shown, overlaid by the single ACCESS1-3 model by CSIRO/BOM. Generated using the Time Series Explorer tool provided by climatechangeaustralia.gov.au

Identifying climate parameters limiting global tree distributions

BIOCLIM is a set of 19 climate envelope variables (Appendix A) that have been shown to be related to the distribution of plant species in natural systems (Booth et al., 2014) and is a well established method for understanding the response of trees to climate change (McKenney et al., 2007). Only one BIOCLIM variable was included in the final analysis: BIOCLIM1 (mean annual temperature). Mean annual temperature has been shown to be a good predictor the distribution of urban tree taxa globally (Kendal et al., 2012). BIOCLIM12 (mean annual precipitation) was excluded from the final analysis as rainfall has been shown to be a poor predictor of the global distribution of trees (Kendal et al., 2012). Also, rainfall patterns within a species natural range are not always good predictors of irrigation needs, as habitat (e.g. riparian) can strongly influence drought tolerance, and human behaviour such as irrigation can overcome rainfall deficit. Rainfall projections for future climates are uncertain and it is unclear that total annual precipitation in the City of Melbourne will change under future climates. Other BIOCLIM variables (e.g. average maximum temperature, rainfall in the hottest months) were explored but were found to have very moderate values.



in the City of Melbourne (meaning they would not be good discriminators of species suitability). Examination of raw bioclim data confirms the City of Melbourne's historic climate, with point data for the City of Melbourne's location (long=144.9631,lat=-37.8136) having a BIOCLIM1 (mean annual temperature) value of 146 (14.6 °C) and a BIOCLIM12 (mean annual rainfall) value of 627.

Figure 3 – BIOCLIM 1 (mean annual temperature in ° C multiplied by 10) values across Australia

Additional climate data was obtained from the HadEX2 dataset, which extrapolates historic data from weather stations to measure climate extremes (Donat et al., 2013). Areas with a high concentration of weatherstations, such as urban areas, are well-covered by the dataset. The data is fairly coarse, with each pixel measuring 3.75° x 2.5° longitude-latitude (i.e. tens of thousands of square kilometres). Two variables were used in the final analysis: TXx (highest temperature of the hottest day) and TNn (lowest temperature of the coldest night). Other variables tested but excluded from the final analysis included CDD (Consecutive Dry Days), WSDI (Warm Spell Duration Index) and FD (Frost Days) as Melbourne had low values for these variables.

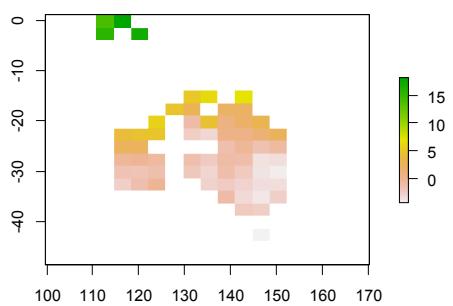


Figure 4 – HadEX2 TNn (extreme minimum night-time temperatures from 1950-2010 °C) values across Australia

Benchmarks for City of Melbourne's future temperature

Benchmarks were derived from current climate averages in 2016, combined with climate change projections. As the BIOCLIM model deliberately excludes non-climate change related influences such as urban heat, current mean and extreme annual temperature values were calculated based on averages of Bureau of Meteorology records over the last 20 years (1996-2015) at the Melbourne Regional Office weather station (Table 2). These current values, combined with climate change predictions, were then used to predict temperature values for the City of Melbourne's moderate climate future in 2040 under the RCP 4.5 emissions scenario (0.8 °C further increase in temperature) and extreme climate future climate in 2090 under the RCP 8.5 emission scenario (3 °C increase in temperature). HadEX2 parameters used (extreme maximum and extreme minimum temperatures) were calculated for Melbourne as the highest extreme maximum (44.0 °C) and lowest extreme minimum (-2.4 °C) on record. As the data was very coarse and no climate modelling of extreme temperatures was available, conservative estimates of increases of 0.5 °C for the moderate scenario and 2 °C for the extreme climate scenario were used.

Table 2 – Climate variable thresholds for the City of Melbourne area for historic, current, and projected values for moderate and extreme climate scenarios.

Variable	BIOCLIM1 (mean annual temp)	HADex2 TXx* (extreme hottest day)	HADex2 TNn* (extreme coldest day)
Historic values (pre 1950)	14.6		
Current values (1996-2015)	16.4	44	-2.4
Moderate climate future (RCP4.5 at 2040)	17.2 (+0.8°C)	44.5	-1.9
Extreme climate future (RCP8.5 at 2090)	19.4 (+3°C)	46	-0.4

* These values are less extreme than recorded values due to the coarseness of the dataset

The global distribution of tree species

The global distribution of trees was determined using data from The Global Biodiversity Information Facility (www.gbif.org) which has 650 million occurrence records from over 1.5 million species globally. Occurrences have been recorded in GBIF for all tree species currently in the City of Melbourne database. Occurrence records include natural distributions, weed records and some urban floras. A total of 4 million observations of the species of interest were used in the analysis.

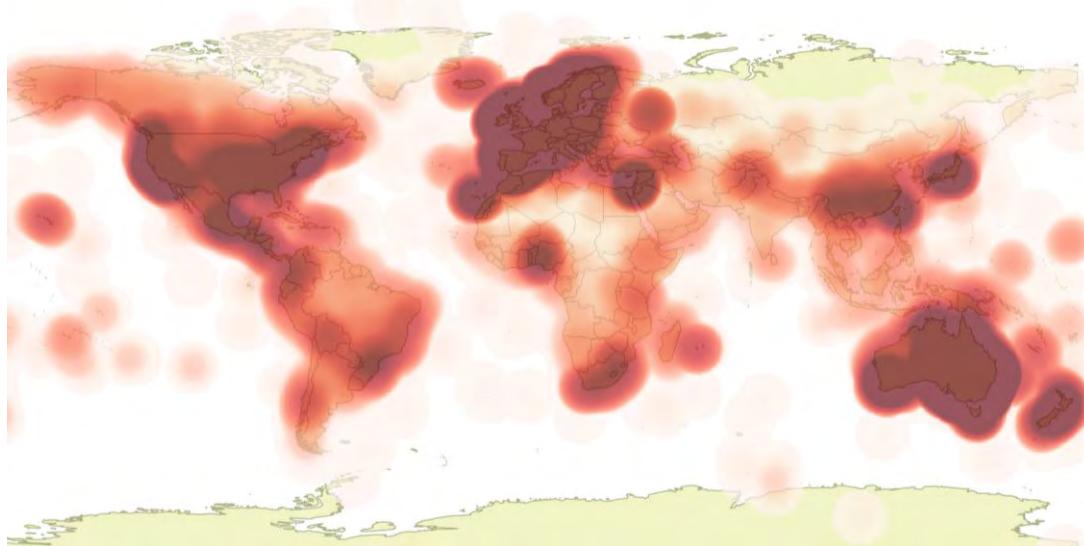


Fig 5 – Heatmap showing the global distribution of occurrence data from Melbourne's species

A second dataset, urban tree inventories, was manually collected from over 400 urban tree inventories published in academic papers and government reports (Fig 5). The location of the city was used to determine the temperature of occurrence of these urban trees. Over 25000 records were included in this dataset.

Note for the purposes of this research, cultivars were included as species only. Cultivars and selections are an important response to this research, but little data exists on the provenance and climatic suitability of the (e.g. they are not represented in the GBIF database).

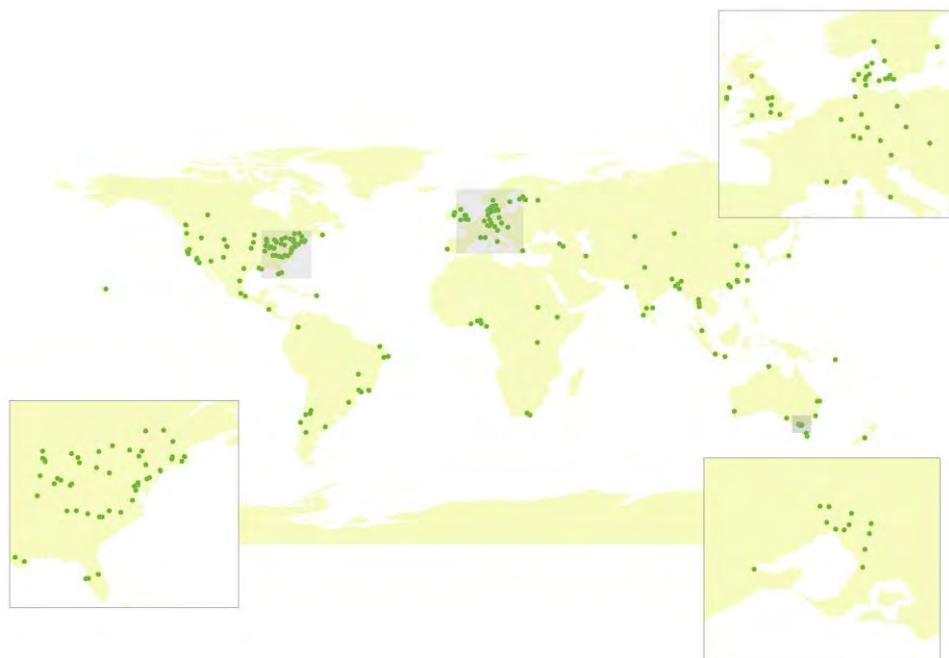


Fig 6 – Map showing the location of global tree inventories

Tree species not currently planted in the City of Melbourne

Species not currently planted in the City of Melbourne were identified from 1) the global urban tree inventories dataset and 2) a public list of approximately 1000 Australian trees.

Analyses

The temperature envelopes for each species was identified by searching for species point locations in the GBIF database, and in the urban tree inventory records, then finding the matching BIOCLIM and HadEX2 variables for the GPS location where the species had been recorded. The distribution of each of the temperature variables was then examined (see Figures 7 & 8 for temperature envelopes of some common species), and the location of the City of Melbourne's current temperature, temperature in a moderate climate change future (in 2040 using the RCP4.5 scenario) and extreme climate change future (in 2090 using the RCP8.5 scenario). The temperature envelopes generated from GBIF data (mostly natural occurrences) and the urban tree inventories (mostly planted occurrences) were analysed separately to see if trees were being planted in cities outside their natural temperature ranges.

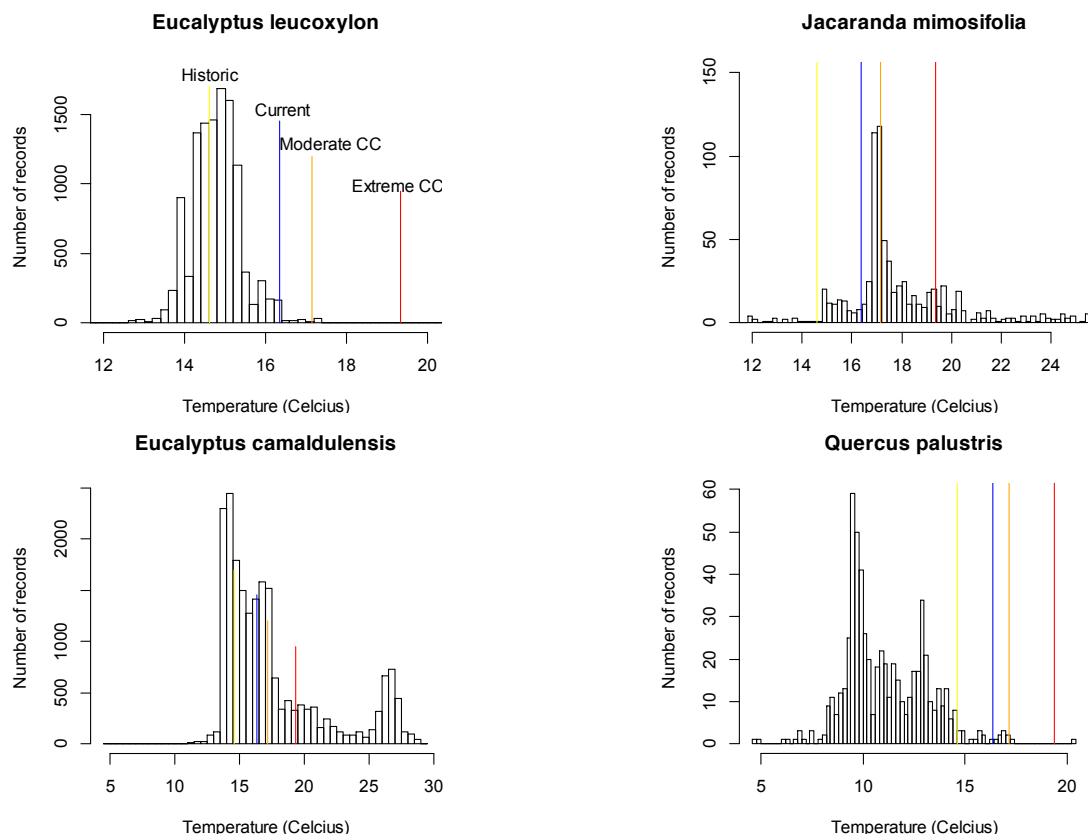


Figure 7. Mean annual temperature of places with point records for *Eucalyptus leucoxylon*, *Jacaranda mimosifolia*, *Eucalyptus camaldulensis* and *Quercus palustris*. Melbourne's historic mean annual temperature (yellow), current mean annual temperature (blue), predicted mean annual temperature with moderate climate change (orange) and extreme climate change (red) are shown as vertical lines.

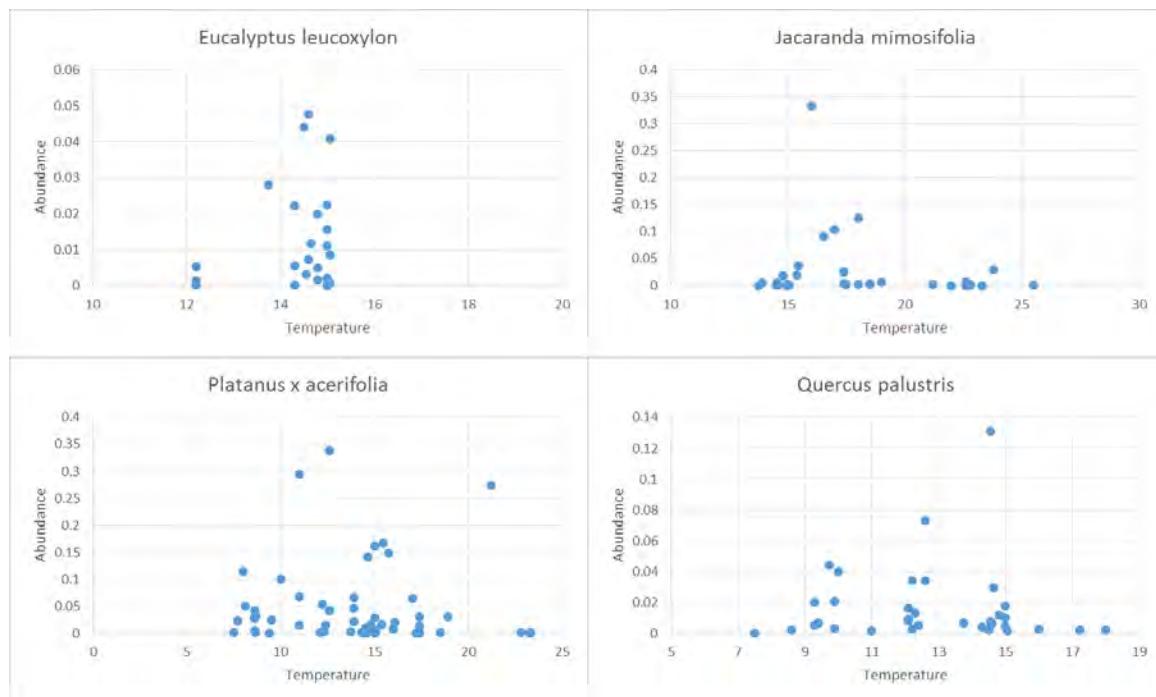


Figure 8 – Abundance of trees in cities with different mean annual temperatures from urban tree inventories.

Determining a traffic light guidance system for identifying vulnerability to temperature increases

The location of the City of Melbourne within the temperature envelope for each species was then coded into traffic light indicators of vulnerability for each climate change scenario:

- Current climate:
 - mean annual temp 16.4 °C
 - extreme maximum temperature 44 °C
 - extreme minimum temperature of -2.4 °C
- Moderate climate future by 2040 (25 year timeframe) assuming:
 - a 0.8 °C increase in mean annual temperature to 17.2 °C
 - a 0.5 °C increase in extreme maximum temperatures 44.5 °C
 - a 0.5 °C increase in extreme minimum temperatures to -1.9 °C
- Extreme climate by 2090 (a 75 year timeframe) assuming:
 - a 3 °C increase in mean annual temperature to 19.4°C
 - a 2 °C increase in extreme maximum temperature to 46 °C
 - a 2 °C increase in extreme minimum temperature to -0.4 °C

Vulnerability was determined by examining the edges of the temperature distribution for each species (Fig 9). Where the City of Melbourne's current or future temperaturte was below the bottom 2.5th percentile of the distribution, the City of Melbourne is considered likely to be too cold for that species. Where the City of Melbourne's temperature was above the 97.5th percentile, then the City of Melbourne is considered likely to be too hot for that species. Where the City of Melbourne's temperature is between the 2.5th and 10th percentile, then the City of Melbourne is considered at risk of being too cold, and similarly where the City of Melbourne's temperature is between the 90th and 97.5th percentile, the City of Melbourne is considered at risk of being too hot. Where the City of Melbourne's temperature falls between the 10th and 90th percentile, the species is unlikely to be vulnerable due to temperature.

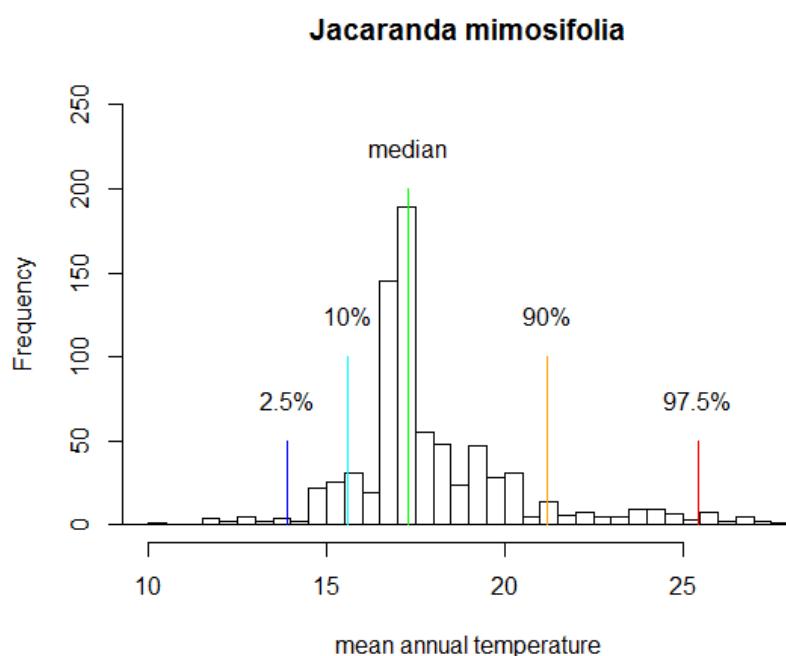


Fig 9 – the key temperature parameters used in determining vulnerability. Coloured lines indicate temperature thresholds.

One issue noted with this temperature dataset was some species naturally have relatively narrow temperature envelopes and are not widely planted globally. For example, there are many hundreds of species of *Eucalyptus* that naturally occur across a range of only 2-3 °C. It is likely that these species could be planted more widely in cities, as cultivation overcomes some of the limiting factors (particularly barriers to germination). For species with narrow temperature envelopes, this envelope was widened to the 25th percentile mean annual temperature envelope for all species (6.4 °C based on the middle 95% of all records, and 3.8 °C based on the middle 80% of all records) (Fig 10).

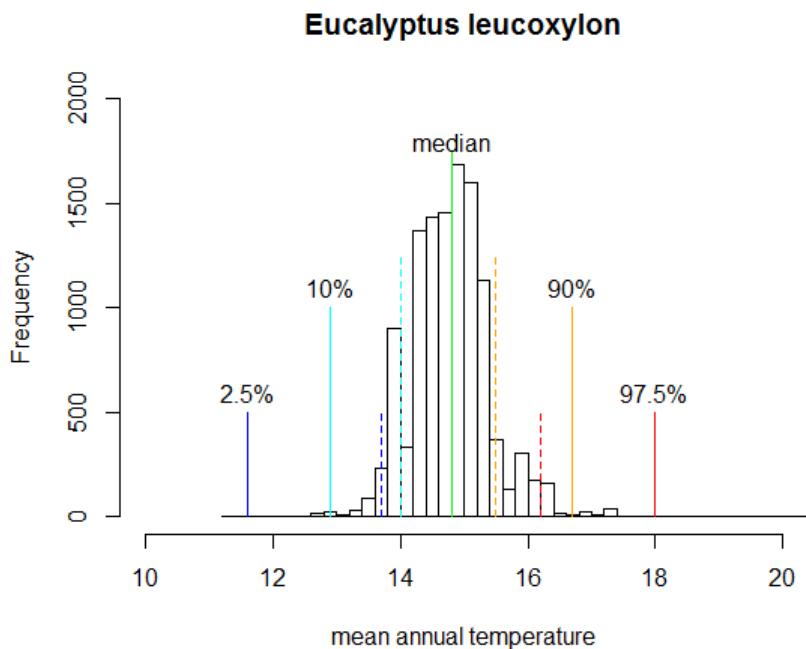


Fig 10 – the key temperature parameters used in determining vulnerability. The dashed lines indicate the calculated temperature thresholds based on occurrence data, and the solid lines indicate the threshold being recalculated to widen the temperature envelope.

For each scenario, every species was assigned a temperature vulnerability traffic light (Table 3). Vulnerability was calculated separately using both GBIF and city tree inventory data to obtain the broadest possible picture of each species potential climate envelope, and the lowest vulnerability category used (i.e. if a species was red-flagged using gbif data, but green flagged using the inventory data, then a green flag would be assigned to that species).

Table 3 – temperature vulnerability traffic light system

Rating	Metric	Example	Description
Green light	The City of Melbourne's temperature is within the middle 90% of all the climates at all locations where the species occurs. (i.e. the City of Melbourne's temperature is between the 10 th percentile and the 90 th percentile)	<i>Jacaranda mimosifolia, Lophostemon confertus</i>	Species is not considered vulnerable in this temperature scenario
Amber light	The City of Melbourne is warmer than most locations where the species occurs. (i.e. City of Melbourne > 90 th percentile)	<i>Acacia mearnsii</i> (moderate scenario)	The species is moderately vulnerable in this temperature scenario

Amber light (max temp)	The City of Melbourne's hottest summer days are hotter (>2 °C) than 90% of the locations where the species occurs (i.e. City of Melbourne's temperature extreme is >90 th percentile plus 2 °C)	<i>Chamaerops humilis</i> (moderate scenario)	The species is moderately vulnerable in this temperature scenario
Aqua light	The City of Melbourne is colder the most locations where this species is found. (i.e. City of Melbourne<10 th percentile)	<i>Macadamia tetraphylla</i> (moderate scenario)	The species is moderately vulnerable in this temperature scenario
Aqua light (min temperatures)	The City of Melbourne's coldest winter nights are colder (>2 °C) than 90% of the locations where the species occurs. (i.e. City of Melbourne's temperature extreme is <10 th percentile plus 2 °C)	<i>Syzygium hodgkinsoniae</i>	The species is moderately vulnerable in this temperature scenario
Red light	The City of Melbourne is warmer than 97.5% of the locations where this species is found (i.e. City of Melbourne>97.5 th percentile)	<i>Ulmus minor</i>	The species is very vulnerable in this temperature scenario
Red light (max temperatures)	The City of Melbourne's hottest summer days are much hotter (>4 °C) than 97.5% of the locations where the species occurs (i.e. City of Melbourne's temperature extreme is >97.5 th percentile plus 4 °C)	<i>Trachycarpus fortunei</i> (extreme scenario)	The species is very vulnerable in this temperature scenario
Blue light	The City of Melbourne's climate is colder (than 97.5% of the locations where this species is found (i.e. City of Melbourne's <2.5 th percentile)	<i>Bombax ceiba</i> (all scenarios)	The species is very vulnerable in this temperature scenario
Blue light (min temperatures)	The City of Melbourne's coldest winter nights are colder than 97.5% of the locations where the species occurs (i.e. Melbourne's temperature extreme is <97.5 th percentile)		The species is very vulnerable in this temperature scenario

Results

List A – Trees currently planted in the City of Melbourne:

Out of the approximately 375 species and 63000 trees currently planted in the City of Melbourne, a large proportion are vulnerable to climate change (Table 4). Of the current urban forest, 42% of species and 29% of trees largely occur outside the City of Melbourne's moderate future climate, and 73% of species and 55% of trees are outside the City of Melbourne's extreme future climate.

Table 4 – Proportion of the City of Melbourne's current trees and tree species vulnerable in future temperatures.

	Current		Moderate CC		Extreme CC	
	%species	%trees	%species	%trees	%species	%trees
GREEN	61%	81%	53%	65%	22%	38%
AMBER/AQUA	18%	8%	25%	24%	28%	28%
RED/BLUE	21%	11%	23%	11%	50%	35%

See Appendix A for a full list of vulnerability ratings for 786 species currently planted or proposed to be planted in Melbourne.

List B – Species currently absent from the City of Melbourne but planted in other cities around the globe

See Appendix B for a full list of vulnerability ratings for 976 species currently planted in other cities around the globe, but not currently planted in Melbourne (Table 5). There are hundreds of new species potentially suitable for Melbourne's future temperature from around the globe.

Table 5 – number of species from other cities vulnerable in future temperatures

Scenario	Vulnerability rating				
	green	amber	aqua	blue	red
Moderate	273	163	66	239	235
Extreme	241	159	58	129	389

List C - Australian native tree species not currently planted in the City of Melbourne

See Appendix C for a full list of vulnerability ratings for 753 Australian species not currently planted in Melbourne (Table 6). There are hundreds of new Australian species potentially suitable for Melbourne's future climates.

Table 6 – number of Australian species vulnerable in future temperatures

Scenario	Vulnerability rating				
	green	amber	aqua	blue	red
Moderate	401	204	5	20	156
Extreme	148	278	2	14	344

Implications for Council

The current urban forest is vulnerable to continued environmental change

The temperature in the City of Melbourne has changed dramatically in response to increasing urbanisation and will continue to change in response to climate change. This research clearly demonstrates that many of the current trees, and species of tree that continue to be planted in the City of Melbourne are likely to be vulnerable to further environmental change.

There are two groups of tree species particularly vulnerable:

- 1) Species from colder climates, such as northern Europe and the north-eastern United States.
- 2) Species with narrow climate envelopes, such as many locally indigenous and other native trees (e.g. *Eucalyptus* spp. and *Acacia* spp.)

Both these groups of trees make very important contributions to the City of Melbourne's cultural identity, liveability and biodiversity. While these species may become less reliable (e.g. becoming more susceptible to pests and diseases) with increasing temperatures, they may still be suitable in some places with appropriate management e.g. irrigation, improved soil conditions, etc. There will also likely be a need for increased tree removal, pruning, and planting in response to damage, decline, and mortality.

Caveats on the interpretation of species vulnerability

The methods used in this research allow a large number of species to be assessed using very large datasets. This allows trends and patterns of vulnerability to be predicted. However, there are likely to be some particular species that respond to future climates differently than predicted using this approach. The information presented here should be combined with detailed information on the physiological response of particular species and cultivars of interest to future climates, using methods such as dendrochronology or other measures of physiological response of trees to temperature and water stress.

Another important caveat is that not all individuals within species will be equally vulnerable. Individual trees that have access to protection from hot northerly winds, adequate irrigation through summer and favourable soil volume and structure will be much less vulnerable than individual trees that are in exposed sites, without irrigation, growing in a small volume of compacted soil. Improving soil conditions and water availability may help reduce the vulnerability of existing trees to temperature increases. Suitable site selection, preparation and maintenance may allow individuals of vulnerable species to continue to be planted into the future.

Tree species selection of future tree species

While the vulnerability of current species to future environments seems dramatic, there are hundreds of possible new species that are potentially suitable for planting in Melbourne. The City of Melbourne has a unique opportunity to shape the city's adaptation and resilience to climate change through sensible plant selection of a diverse range of trees that are likely to perform well and maintain or improve ecosystem services and ecological functioning in response to increasing temperatures. However, as there will be greater uncertainty about the outcomes of management actions, processes will need to be developed to select and test these species in order to determine their suitability. Formal street tree trials limited to small areas will enable new tree species to be tested and minimise the risk of unsuccessful plantings within larger streetscapes.

Liaison with the nursery industry in purchasing plants for the future is essential. As nurseries generally stock plants 0-5 years of age, unsuitable plants may need to be phased out of stock over time. There has also been a great increase in the use of clonal plant material due to recent advances in nursery production techniques. While the extensive use

of clonal material may provide uniform form and function in present climates, it may lead to uniform decline and failure in future climates.

Another important criterion for selecting future species is weediness. A weed assessment has not been undertaken as part of this project, but any new species proposed should be assessed for weediness under current and future climates.

Diversity is a critical component of the resilience of the urban forest (Kendal et al., 2014). Maintaining or enhancing diversity is vital to maintain a healthy urban forest that continues to provide ecosystem services in the face of global environmental change. Genetic diversity (e.g. using seed grown material) and careful provenance selection for better adapted selections of the same species should be taken into account to provide additional protection from the effects of climate change (Aitken et al. 2008; Lohr 2013). There are also risks with new species selection leading to reduced diversity at larger scales. For example, if locally indigenous trees are replaced with cosmopolitan species, diversity at regional and global scales may decline even while diversity at local scales is maintained or increased.

A particular concern within the City of Melbourne is lack of diversity at the family level (particularly in the Myrtaceae). It is likely that many species suitable for Melbourne's future climate are in this family, and a nuanced response is required to reduce risks while allowing the use of climatically suitable plant material. For example, a high proportion of Myrtaceae could be maintained if there is much greater diversity at the species level, or the greater use of genetically diverse (i.e. seed grown) plant material within the family.

Managers will also need to be aware of maladaptation and feedback loops. Some obvious adaptation strategies, such as the use of more heat and drought-tolerant species, can in fact exacerbate the local effects of climate change. For example, where replacement tree species have much sparser canopies than those they are replacing, there could be an increase in the urban heat island effect. More trees may be required to ensure no net-loss in canopy cover. Moreover, policy responses to drought in south-eastern Australia have included restricting the availability of irrigation water for the urban forest (Hatton MacDonald et al. 2010). If this policy response continues, the negative effects of climate change on vulnerable species are likely to be hastened as even less water is available to trees through these stressful periods.

Understanding changes in urban ecosystems

Trees are a keystone of urban ecosystems (Stagoll et al. 2012) and changes in species composition will have flow-on effects for management, urban ecosystems, and the urban public. The effect of species composition and 'trait' shifts (e.g. in canopy density, colour, leaf width) on the provision of ecosystem services, biodiversity and sense of place is also potentially very important.

In Melbourne, it is likely that a shift to smaller-leaved evergreen species will result in less pollution and rainfall interception, and reduced passive solar performance through sparser canopies providing less shade in summer and more shade in winter (Kendal 2011). There may also be health implications as some evergreen species that are likely to become more dominant (for example, *Eucalyptus* spp.) emit higher levels of Volatile Organic Compounds (VOCs) (that can lead to respiratory problems) than broad-leaved deciduous trees (Bernard et al. 2001).

There will also be changes to urban biodiversity with the change in tree species composition of the urban forest. In natural forests, there will be range shifts in flora and fauna in response to climate change, but it is less clear how these processes will operate in more managed urban systems, and whether urban forest managers should facilitate these range shifts. Urban ecological research is urgently required to guide these decisions, taking into account both moderate and more extreme long-term projected climate change.

Perhaps the most important flow-on effect of trait shifts will involve people's perceptions and experience of the urban forest. Trees are an important component of the sense of place of cities; Plane trees contribute to the identity of Paris, while Palm trees shape people's image of Miami. Many cities in South-eastern Australia have a strong

European colonial heritage expressed in their many broad-leaved deciduous trees that is likely to change under future climates. Conversely, the local native trees planted in a city help to create a unique identity that distinguishes one city from another, and provides an important connection to an area's natural heritage and traditional ownership by indigenous people. Changes to the composition and the traits of the urban forest will lead to changes in the sense of place and identity of cities. Recognizing the importance of trait shifts as a result of this adaptation will allow managers to plan for a healthy urban forest that satisfies cultural and natural heritage needs.

Community Engagement

In addition to careful species selection and the ongoing maintenance of trees, sustaining the quality and quantity of the urban forest in the City of Melbourne will require ongoing community involvement.

Community outreach is needed to maximize public and stakeholder awareness around threats to urban forests and the required changes in urban forest management in response to projected climate change. Education material detailing why changes in tree species plantings are needed, best urban forest management practices for tree conservation and associated ecosystem services, and when and how this will be implemented could be included as supplementary material in the City of Melbourne's Urban Forest Strategy.

Consultation and cooperation with stakeholder groups such as local indigenous groups, conservation groups, and friends groups (e.g. Friends of the Elms Heritage group) will be important in encouraging community partners to embrace changes to management of the urban forest. Moreover, collaborations with the nursery industry on initiatives such as planting incentive programs (where trees on the green list are discounted at local nurseries for instance) may foster urban forest stewardship by engaging residents and business owners to plant suitable trees on private land.

Future Research Needs

Two important research needs have been identified at the conclusion of this research:

1. How will these changes in species affect people and biodiversity?

It is likely that different people and different animals will be affected in different ways by changes in the composition of the urban forest. A better understanding of the ecosystem services, habitat and cultural values of the current and potential urban forest is needed to ensure a great urban forest into the future that meets the diverse needs of both humans and non-human animals. A trait-based approach to exploring these questions will allow understanding the benefits provided by forest while the species composition is changing.

Action: Further research (component 2 as outlined in the original research plan)

2. How do we choose which new species to use in Melbourne's urban forest?

This research identifies hundreds of new tree species that may be suitable for planting in the City of Melbourne. Yet we have little knowledge to guide selection within this large group of species, or understand how the public and stakeholder groups may respond to these new species. Engagement with all relevant parties is needed to be able to make informed choices from this large pool of species. In particular, the two groups of species identified as being particularly vulnerable to climate change – indigenous species, and cold-climate deciduous trees – have strong interest by stakeholders and the general public.

Action: A workshop could be held involving traditional owners, heritage groups, conservation organisations, urban foresters and other relevant parties should be held to the key question of what will the natural and cultural heritage of Melbourne's urban forest of the future be?

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Appendix A

Species List A: The temperature vulnerability of the City of Melbourne's tree species to future temperatures

Note that this list is not designed to be applied to greater Melbourne, which has a broader temperature profile than the City of Melbourne, or other cities with different temperature profiles.

Key to reading the species list:

Vulnerability rating	Green	Melbourne has a similar temperature to other places where the species is found and the species is not considered vulnerable in this temperature scenario
	Amber	Melbourne is hotter than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Aqua	Melbourne is colder than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Red	Melbourne is hotter than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Blue	Melbourne is colder than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Max/min	The max/min suffix indicates that the rating is due to extreme maximum and minimum rather than mean annual temperatures.
Temperature scenario	Current	Melbourne with a mean annual temperature of 16.4 °C and extreme maximum temperatures are 44 °C.
	Moderate	Melbourne with moderate climate change by 2040 increasing temperatures 0.8 °C and extreme maximum temperatures increase by 0.5 °C.
	Extreme	Melbourne with extreme climate change by 2090 increasing temperatures 3 °C and extreme maximum temperatures increase by 2 °C.

Limited data indicates that fewer than 20 records were found in the GBIF database and the species was found in fewer than 5 global city inventories – interpret results with caution.

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Abelia grandiflora</i>	green	green	amber		
<i>Abies nordmanniana</i>	red	red	red		
<i>Abutilon hybridum</i>	amber-max	amber-max	red-max	yes	
<i>Acacia acinacea</i>	green	amber	red		
<i>Acacia baileyana</i>	green	green	red		
<i>Acacia binervia</i>	green	green	amber		
<i>Acacia boormanii</i>	green	amber	red		
<i>Acacia caerulescens</i>	amber	amber	red		
<i>Acacia calamifolia</i>	green	green	amber		
<i>Acacia cardiophylla</i>	green	green	amber		
<i>Acacia cognata</i>	amber	amber	red		
<i>Acacia cultriformis</i>	green	green	amber		
<i>Acacia dealbata</i>	green	amber	red		
<i>Acacia deanei</i>	green	green	amber		
<i>Acacia decurrens</i>	green	green	amber		
<i>Acacia elata</i>	green	green	red		
<i>Acacia fimbriata</i>	green	green	green		
<i>Acacia floribunda</i>	green	green	amber		
<i>Acacia hakeoides</i>	green	green	amber		
<i>Acacia howittii</i>	green	amber	red		
<i>Acacia imbricata</i>	green	green	red		
<i>Acacia implexa</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Acacia iteaphylla</i>	green	green	amber		
<i>Acacia kettlewelliae</i>	red	red	red		
<i>Acacia linearifolia</i>	green	green	red		
<i>Acacia longifolia</i>	green	green	red		
<i>Acacia maidenii</i>	green	green	amber		
<i>Acacia mearnsii</i>	green	amber	red		
<i>Acacia melanoxylon</i>	green	green	amber		
<i>Acacia paradoxa</i>	green	amber	red		
<i>Acacia pendula</i>	green	green	green		
<i>Acacia podalyriifolia</i>	green	green	green		
<i>Acacia pravissima</i>	green	amber	red		
<i>Acacia prominens</i>	green	green	amber		
<i>Acacia pycnantha</i>	green	amber	red		
<i>Acacia retinodes</i>	amber	amber	red		
<i>Acacia rubida</i>	amber	red	red		
<i>Acacia salicina</i>	green	green	green		
<i>Acacia saligna</i>	green	green	amber		
<i>Acacia verniciflua</i>	amber	amber	red		
<i>Acacia verticillata</i>	amber	red	red		
<i>Acacia vestita</i>	green	amber	red		
<i>Acca sellowiana</i>	green	green	green		
<i>Acer buergerianum</i>	green	amber-max	amber-max		
<i>Acer campestre</i>	red	red	red		
<i>Acer cappadocicum</i>	red	red	red		
<i>Acer davidii</i>	amber-max	red-max	red-max		
<i>Acer fabri</i>	amber-max	amber-max	red-max		
<i>Acer freemanii</i>	red	red	red	yes	<i>Acer x freemanii</i>
<i>Acer japonicum</i>	amber	amber	red		
<i>Acer macrophyllum</i>	amber	red	red		
<i>Acer negundo</i>	amber	amber	red		
<i>Acer palmatum</i>	amber	amber	red		
<i>Acer platanoides</i>	red	red	red		
<i>Acer pseudoplatanus</i>	red	red	red		
<i>Acer rubrum</i>	green	amber	amber		
<i>Acer saccharinum</i>	amber	red	red		
<i>Acer sieboldianum</i>	red	red	red		
<i>Acer sp</i>	red	red	red		
<i>Acer truncatum x platanoides</i>	green	amber-max	amber		
<i>Acmena ingens</i>	amber-max	amber-max	red-max		
<i>Acmena smithii</i>	green	green	amber		
<i>Aesculus californica</i>	amber	amber	red		
<i>Aesculus flava</i>	red	red	red		
<i>Aesculus hippocastanum</i>	red	red	red		
<i>Aesculus indica</i>	green	green	red		
<i>Afrocarpus falcatus</i>	green	green	green		
<i>Afrocarpus gracilior</i>	green	green	green		
<i>Agathis atropurpurea</i>	blue	blue	green		
<i>Agathis australis</i>	amber	amber	red		
<i>Agathis corbassonii</i>	blue	blue	blue	yes	
<i>Agathis robusta</i>	aqua	aqua	green		
<i>Agathis vitiensis</i>	blue	blue	blue	yes	
<i>Agonis flexuosa</i>	green	green	amber		
<i>Agonis juniperina</i>	green	green	red		
<i>Agonis marginata</i>	aqua	green	red		
<i>Ailanthus altissima</i>	amber	amber	red		
<i>Albizia julibrissin</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Albizia lophantha</i>	green	green	amber		
<i>Alectryon subcinereus</i>	blue	blue	blue	yes	
<i>Allocasuarina littoralis</i>	green	green	amber		
<i>Allocasuarina luehmannii</i>	green	green	amber		
<i>Allocasuarina torulosa</i>	green	green	amber		
<i>Allocasuarina verticillata</i>	green	green	amber		
<i>Alnus acuminata</i>	green	green	green		
<i>Alnus acuminata</i> subsp. <i>glabrata</i>	green	green	amber		
<i>Alnus cordata</i>	red-max	red-max	red		
<i>Alnus glutinosa</i>	red	red	red		
<i>Alnus jorullensis</i>	green	green	amber		
<i>Angophora costata</i>	green	green	amber		
<i>Angophora floribunda</i>	green	green	red		
<i>Angophora hispida</i>	green	green	amber		
<i>Anneslea fragrans</i>	aqua	green	amber-max		
<i>Araucaria angustifolia</i>	amber-max	red-max	red-max		
<i>Araucaria araucana</i>	red-max	red-max	red-max		
<i>Araucaria bidwillii</i>	green	green	green		
<i>Araucaria columnaris</i>	aqua	amber-max	amber-max		
<i>Araucaria cunninghamii</i>	green	green	green		
<i>Araucaria heterophylla</i>	green	green	amber-max		
<i>Arbutus canariensis</i>	red-max	red-max	red-max		
<i>Arbutus unedo</i>	amber-max	amber	red		
<i>Arbutus x andrachnoides</i>	red-max	red	red	yes	
<i>Archontophoenix alexandrae</i>	aqua	green	green		
<i>Archontophoenix cunninghamiana</i>	green	green	amber-max		
<i>Argyrodendron actinophyllum</i>	aqua	green	amber		
<i>Astrocedrus chilensis</i>	red	red	red		
<i>Babingtonia virgata</i>	aqua	aqua	red-max		
<i>Backhousia citriodora</i>	blue	aqua	green		
<i>Banksia ericifolia</i>	green	green	amber		
<i>Banksia integrifolia</i>	green	green	green		
<i>Banksia marginata</i>	green	amber	red		
<i>Banksia serrata</i>	green	green	amber		
<i>Banksia spinulosa</i>	green	green	amber		
<i>Bauhinia variegata</i>	green	green	green		
<i>Betula alba</i>	red	red	red		
<i>Betula papyrifera</i>	red	red	red		
<i>Betula pendula</i>	red-max	red	red		
<i>Betula pubescens</i>	red	red	red		
<i>Brachychiton acerifolius</i>	green	green	amber-max		
<i>Brachychiton bidwillii</i>	blue	blue	amber-max		
<i>Brachychiton discolor</i>	green	green	green		
<i>Brachychiton populneus</i>	green	green	amber		
<i>Brachychiton rupestris</i>	green	green	green		
<i>Brahea armata</i>	green	green	green	yes	
<i>Buckinghamia celsissima</i>	green	green	green		
<i>Buddleja davidii</i>	red-max	red-max	red		
<i>Buddleja salviifolia</i>	green	green	amber		
<i>Bursaria spinosa</i>	green	green	red		
<i>Butia capitata</i>	green	green	green		
<i>Buxus sempervirens</i>	red	red	red		
<i>Callistemon citrinus</i>	green	green	green		
<i>Callistemon glaucus</i>	green	green	amber		
<i>Callistemon linearis</i>	green	green	amber-max		
<i>Callistemon macropunctatus</i>	green	green	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Callistemon pachyphyllus</i>	aqua	green	amber-max		
<i>Callistemon pallidus</i>	green	amber	red		
<i>Callistemon phoeniceus</i>	green	green	green		
<i>Callistemon rigidus</i>	green	green	amber-max		
<i>Callistemon salignus</i>	green	green	amber-max		
<i>Callistemon speciosus</i>	green	green	amber		
<i>Callistemon subulatus</i>	amber	red	red		
<i>Callistemon viminalis</i>	green	green	green		
<i>Callitris columellaris</i>	green	green	green		
<i>Callitris glaucophylla</i>	green	green	green		
<i>Callitris preissii</i>	green	green	red		
<i>Callitris rhomboidea</i>	green	green	amber		
<i>Callitris verrucosa</i>	green	green	amber		
<i>Calodendrum capense</i>	green	green	amber-max		
<i>Camellia japonica</i>	green	green	amber-max		
<i>Carpinus betulus</i>	red	red	red		
<i>Carya illinoiensis</i>	green	green	green		
<i>Cassia javanica</i>	blue	blue	aqua		
<i>Castanea mollissima</i>	green	green	amber		
<i>Castanea sativa</i>	red	red	red		
<i>Castanopsis sclerophylla</i>	amber-max	amber-max	red-max		
<i>Casuarina cunninghamiana</i>	green	green	green		
<i>Casuarina glauca</i>	green	green	green		
<i>Casuarina littoralis</i>	amber-max	amber-max	red-max		
<i>Casuarina obesa</i>	green	green	green		
<i>Catalpa bignonioides</i>	amber	amber	red		
<i>Catalpa fargesii</i>	amber-max	red-max	red		
<i>Ceanothus papillosus</i>	amber	red	red		
<i>Cedrela sinensis</i>	red	red	red	yes	
<i>Cedrus atlantica</i>	red	red	red		
<i>Cedrus atlantica f. glauca</i>	red	red	red	yes	
<i>Cedrus deodara</i>	green	green	amber		
<i>Cedrus libani</i>	amber	red	red		
<i>Ceiba speciosa</i>	aqua	green	amber-max		
<i>Celtis australis</i>	green	amber	red		
<i>Celtis occidentalis</i>	amber	red	red		
<i>Ceratonia siliqua</i>	green	green	green		
<i>Ceratopetalum gummiferum</i>	green	green	amber		
<i>Cercis siliquastrum</i>	green	amber-max	amber-max		
<i>Cestrum nocturnum</i>	green	green	green		
<i>Chamaecyparis funebris</i>	amber	red	red	yes	
<i>Chamaecyparis lawsoniana</i>	red	red	red		
<i>Chamaecyparis obtusa</i>	amber-max	red-max	red		
<i>Chamaecyparis pisifera</i>	amber	amber	red-max		
<i>Chamaerops humilis</i>	amber-max	amber-max	red-max		
<i>Chiranthodendron pentadactylon</i>	green	green	green		
<i>Choisya ternata</i>	green	green	amber		
<i>Choricarpia leptopetala</i>	green	green	amber-max		
<i>Chrysanthemoides monilifera</i>	green	green	amber		
<i>Cinnamomum camphora</i>	green	green	amber-max		
<i>Citrus aurantifolia</i>	green	green	amber-max		
<i>Citrus japonica</i>	green	green	amber-max	yes	
<i>Citrus limon</i>	green	green	green		Citrus x limon
<i>Citrus paradisi</i>	green	green	amber-max		Citrus x paradisi
<i>Citrus reticulata</i>	green	green	amber-max		
<i>Clethra arborea</i>	red-max	red-max	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Coleonema pulchellum</i>	green	green	red		
<i>Colutea arborescens</i>	red	red	red		
<i>Combretum caffrum</i>	aqua	green	green		
<i>Coprosma repens</i>	green	amber	red		
<i>Cordyline australis</i>	amber-max	amber	red-max		
<i>Cordyline fruticosa</i>	green	green	amber-max		
<i>Cordyline terminalis</i>	amber-max	amber-max	red-max		
<i>Cornus capitata</i>	green	green	amber		
<i>Correa alba</i>	green	green	red		
<i>Corylopsis spicata</i>	red	red	red		
<i>Corylus avellana</i>	red	red	red		
<i>Corylus colurna</i>	red	red	red		
<i>Corymbia calophylla</i>	green	green	red		
<i>Corymbia citriodora</i>	green	green	green		
<i>Corymbia eximia</i>	green	green	amber		
<i>Corymbia ficifolia</i>	green	green	amber		
<i>Corymbia gummifera</i>	green	green	amber		
<i>Corymbia maculata</i>	green	green	amber		
<i>Corynocarpus laevigatus</i>	red	red	red		
<i>Cotinus coggygria</i>	amber	amber	amber		
<i>Cotoneaster glaucophyllus</i>	green	green	red		
<i>Cotoneaster pannosus</i>	green	green	red		
<i>Crataegus laevigata</i>	red	red	red		
<i>Crataegus lavallei</i>	red	red	red		
<i>Crataegus monogyna</i>	red	red	red		
<i>Crataegus phaenopyrum</i>	red	red	red		
<i>Cryptomeria japonica</i>	amber-max	amber-max	red-max		
<i>Cunninghamia lanceolata</i>	amber-max	amber-max	red-max		
<i>Cunonia capensis</i>	green	green	amber		
<i>Cupaniopsis anacardioides</i>	green	green	green		
<i>Cupressus arizonica</i>	green	green	green		
<i>Cupressus cashmeriana</i>	amber-max	amber-max	red-max		
<i>Cupressus funebris</i>	green	green	amber-max		
<i>Cupressus glauca</i>	red	red	red	yes	
<i>Cupressus lusitanica</i>	green	green	green		
<i>Cupressus macnabiana</i>	amber	red	red		
<i>Cupressus macrocarpa</i>	green	amber	amber		
<i>Cupressus sargentii</i>	amber	red	red		
<i>Cupressus sempervirens</i>	green	green	green		
<i>Cupressus torulosa</i>	green	green	green		
<i>Cupressus x leylandii</i>	green	amber	red		xCupressocyparis leylandii
<i>Cydonia oblonga</i>	green	amber	red		
<i>Cytisus proliferus</i>	green	green	red		
<i>Cytisus scoparius</i>	red	red	red		
<i>Dais cotinifolia</i>	green	green	amber		
<i>Diospyros kaki</i>	green	amber-max	amber-max		
<i>Dodonaea viscosa</i>	green	green	green		
<i>Dracaena draco</i>	green	green	green		
<i>Duranta erecta</i>	aqua	aqua	green		
<i>Duranta repens</i>	aqua	aqua	red-max		
<i>Echium candicans</i>	green	amber	red		
<i>Elaeagnus angustifolia</i>	amber	amber	red		
<i>Elaeagnus submacrophylla</i>	red	red	red		
<i>Elaeagnus x ebbingei</i>	red	red	red		
<i>Elaeocarpus reticulatus</i>	green	green	amber		
<i>Elaeodendron croceum</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eriobotrya japonica</i>	green	green	green		
<i>Erythrina caffra</i>	green	green	green		
<i>Erythrina crista-galli</i>	green	green	amber-max		
<i>Erythrina indica</i>	blue	aqua	green		
<i>Erythrina sykesii</i>	green	green	amber		
<i>Erythrina variegata</i>	blue	blue	red-max		
<i>Erythrophleum africanum</i>	blue	blue	blue		
<i>Escallonia bifida</i>	green	green	amber-max		
<i>Escallonia macrantha</i>	red	red	red		
<i>Escallonia rubra</i> var. <i>macrantha</i>	amber	amber	red		
<i>Eucalyptus albens</i>	green	green	red		
<i>Eucalyptus albopurpurea</i>	aqua	green	red		
<i>Eucalyptus angophoroides</i>	red	red	red		
<i>Eucalyptus annulata</i>	green	green	red		
<i>Eucalyptus astringens</i>	green	green	red		
<i>Eucalyptus bancroftii</i>	aqua	green	amber-max		
<i>Eucalyptus baueriana</i>	green	amber	red		
<i>Eucalyptus baxteri</i>	amber	amber	red		
<i>Eucalyptus behriana</i>	green	amber	red		
<i>Eucalyptus beyeri</i>	green	green	red		
<i>Eucalyptus bicostata</i>	red	red	red		
<i>Eucalyptus blakelyi</i>	green	amber	red		
<i>Eucalyptus bosistoana</i>	green	amber	red		
<i>Eucalyptus botryoides</i>	green	green	red		
<i>Eucalyptus bridgesiana</i>	red	red	red		
<i>Eucalyptus brookeriana</i>	red	red	red		
<i>Eucalyptus caesia</i>	green	green	amber		
<i>Eucalyptus caesia</i> subsp. <i>caesia</i>	green	green	amber		
<i>Eucalyptus camaldulensis</i>	green	green	green		
<i>Eucalyptus campaspe</i>	green	green	green		
<i>Eucalyptus cephalocarpa</i>	aqua	amber	red		
<i>Eucalyptus chapmaniana</i>	red	red	red		
<i>Eucalyptus cinerea</i>	amber	amber	red		
<i>Eucalyptus cladocalyx</i>	green	green	red		
<i>Eucalyptus clivicola</i>	aqua	green	amber		
<i>Eucalyptus cneorifolia</i>	aqua	green	red		
<i>Eucalyptus conferruminata</i>	green	green	amber		
<i>Eucalyptus cornuta</i>	green	green	red		
<i>Eucalyptus cosmophylla</i>	aqua	amber	red		
<i>Eucalyptus crenulata</i>	green	amber	red		
<i>Eucalyptus cypellocarpa</i>	red	red	red		
<i>Eucalyptus diptera</i>	aqua	green	amber		
<i>Eucalyptus diversicolor</i>	green	green	red		
<i>Eucalyptus diversifolia</i>	green	green	red		
<i>Eucalyptus dives</i>	green	amber	red		
<i>Eucalyptus dumosa</i>	green	green	amber		
<i>Eucalyptus elata</i>	green	amber	red		
<i>Eucalyptus eremophila</i>	green	green	amber		
<i>Eucalyptus erythrocorys</i>	green	green	green		
<i>Eucalyptus erythronema</i>	green	green	green		
<i>Eucalyptus fibrosa</i>	green	green	amber		
<i>Eucalyptus flavida</i>	aqua	green	green		
<i>Eucalyptus forrestiana</i>	aqua	green	amber		
<i>Eucalyptus froggattii</i>	green	amber	red		
<i>Eucalyptus gardneri</i>	green	green	amber		
<i>Eucalyptus globoidea</i>	green	green	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus globulus</i>	green	green	amber		
<i>Eucalyptus globulus</i> subsp. <i>bicostata</i>	red	red	red		
<i>Eucalyptus globulus</i> subsp. <i>maidenii</i>	amber	red	red		
<i>Eucalyptus globulus</i> subsp. <i>pseudoglobulus</i>	amber	red	red		
<i>Eucalyptus gomphocephala</i>	green	green	green		
<i>Eucalyptus goniocalyx</i>	amber	amber	red		
<i>Eucalyptus grandis</i>	green	green	green		
<i>Eucalyptus gregsoniana</i>	red	red	red		
<i>Eucalyptus grossa</i>	green	green	amber		
<i>Eucalyptus gunnii</i>	red-max	red-max	red		
<i>Eucalyptus kitsoniana</i>	green	amber	red		
<i>Eucalyptus kruseana</i>	green	green	green		
<i>Eucalyptus lansdowneana</i>	green	green	amber		
<i>Eucalyptus largiflorens</i>	green	green	green		
<i>Eucalyptus lehmannii</i>	green	green	amber		
<i>Eucalyptus leucoxylon</i>	green	amber	red		
<i>Eucalyptus leucoxylon</i> subsp. <i>connata</i>	amber	red	red		
<i>Eucalyptus leucoxylon</i> subsp. <i>megalocarpa</i>	amber	amber	red		
<i>Eucalyptus leucoxylon</i> var. <i>rosea</i>	green	amber	red		
<i>Eucalyptus longifolia</i>	green	green	red		
<i>Eucalyptus luehmanniana</i>	green	green	amber		
<i>Eucalyptus macrandra</i>	green	green	red		
<i>Eucalyptus macrorhyncha</i>	amber	amber	red		
<i>Eucalyptus maidenii</i>	amber	red	red		
<i>Eucalyptus mannifera</i>	green	amber	red		
<i>Eucalyptus mannifera</i> subsp. <i>maculosa</i>	red	red	red		
<i>Eucalyptus megacornuta</i>	green	green	amber		
<i>Eucalyptus melliodora</i>	green	amber	red		
<i>Eucalyptus michaeliana</i>	green	amber	red		
<i>Eucalyptus microcarpa</i>	green	green	red		
<i>Eucalyptus microcorys</i>	green	green	amber-max		
<i>Eucalyptus misella</i>	green	green	amber		
<i>Eucalyptus moluccana</i>	green	green	amber-max		
<i>Eucalyptus muelleriana</i>	amber	amber	red		
<i>Eucalyptus newbeyi</i>	amber-max	amber-max	red		
<i>Eucalyptus nicholii</i>	green	amber	red		
<i>Eucalyptus nortonii</i>	red	red	red		
<i>Eucalyptus nutans</i>	green	green	red	yes	
<i>Eucalyptus obliqua</i>	amber	amber	red		
<i>Eucalyptus occidentalis</i>	green	green	amber		
<i>Eucalyptus odorata</i>	green	green	red		
<i>Eucalyptus oleosa</i>	green	green	amber		
<i>Eucalyptus orbifolia</i>	blue	aqua	green		
<i>Eucalyptus ovata</i>	green	amber	red		
<i>Eucalyptus pauciflora</i>	green	amber	red		
<i>Eucalyptus pauciflora</i> subsp. <i>parvifructa</i>	red	red	red	yes	
<i>Eucalyptus pauciflora</i> subsp. <i>pauciflora</i>	aqua	green	green	yes	
<i>Eucalyptus perriniana</i>	red	red	red		
<i>Eucalyptus platypus</i>	green	green	red		
<i>Eucalyptus polyanthemos</i>	green	green	red		
<i>Eucalyptus populnea</i>	green	green	green		
<i>Eucalyptus prava</i>	green	amber	red		
<i>Eucalyptus preissiana</i>	green	green	red		
<i>Eucalyptus propinqua</i>	green	green	amber-max		
<i>Eucalyptus pryoriana</i>	amber	amber	red		
<i>Eucalyptus pseudoglobulus</i>	amber	red	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus pulchella</i>	amber-max	amber	red		
<i>Eucalyptus pulverulenta</i>	amber	amber	red		
<i>Eucalyptus punctata</i>	green	green	amber		
<i>Eucalyptus radiata</i>	green	amber	red		
<i>Eucalyptus resinifera</i>	green	green	amber-max		
<i>Eucalyptus robusta</i>	green	green	amber-max		
<i>Eucalyptus rossii</i>	amber	red	red		
<i>Eucalyptus rubida</i>	red	red	red		
<i>Eucalyptus rufis</i>	green	green	green		
<i>Eucalyptus rugosa</i>	green	green	red		
<i>Eucalyptus saligna</i>	green	green	amber-max		
<i>Eucalyptus salmonophloia</i>	green	green	green		
<i>Eucalyptus salubris</i>	green	green	green		
<i>Eucalyptus sargentii</i>	green	green	green		
<i>Eucalyptus scias</i>	green	green	red		
<i>Eucalyptus scoparia</i>	green	amber	red		
<i>Eucalyptus serraensis</i>	red	red	red		
<i>Eucalyptus siderophloia</i>	green	green	amber-max		
<i>Eucalyptus sideroxylon</i>	green	green	amber		
<i>Eucalyptus sieberi</i>	green	amber	red		
<i>Eucalyptus spathulata</i>	green	green	red		
<i>Eucalyptus steedmanii</i>	aqua	green	green		
<i>Eucalyptus stoatei</i>	green	green	amber		
<i>Eucalyptus stricklandii</i>	green	green	green		
<i>Eucalyptus talyuberlup</i>	green	amber	red		
<i>Eucalyptus tereticornis</i>	green	green	green		
<i>Eucalyptus tetraptera</i>	green	green	amber		
<i>Eucalyptus torquata</i>	green	green	green		
<i>Eucalyptus tricarpa</i>	green	amber	red		
<i>Eucalyptus vegrardis</i>	green	green	red		
<i>Eucalyptus verrucata</i>	red	red	red		
<i>Eucalyptus victoriana</i>	red	red	red		
<i>Eucalyptus viminalis</i>	green	amber	red		
<i>Eucalyptus viminalis</i> subsp. <i>pryoriana</i>	amber	amber	red		
<i>Eucalyptus viridis</i>	green	green	amber		
<i>Eucalyptus wandoo</i>	green	green	amber		
<i>Eucalyptus woodwardii</i>	green	green	green		
<i>Eucalyptus yarraensis</i>	amber	red	red		
<i>Euonymus japonicus</i>	amber-max	amber	red-max		
<i>Exocarpos cupressiformis</i>	green	green	red		
<i>Fagus sylvatica</i>	red	red	red		
<i>Ficus benjamina</i>	green	green	green		
<i>Ficus carica</i>	green	green	green		
<i>Ficus coronata</i>	green	green	amber		
<i>Ficus elastica</i>	green	green	green		
<i>Ficus macrophylla</i>	green	green	green		
<i>Ficus microcarpa</i>	aqua	aqua	green		
<i>Ficus microcarpa</i> var. <i>hillii</i>	green	green	green		
<i>Ficus obliqua</i>	green	green	green		
<i>Ficus platypoda</i>	blue	blue	blue		
<i>Ficus rubiginosa</i>	green	green	green		
<i>Firmiana simplex</i>	amber-max	amber-max	red-max		
<i>Flindersia australis</i>	aqua	green	amber-max		
<i>Fortunella japonica</i>	green	green	amber-max	yes	
<i>Fraxinus americana</i>	green	amber	amber		
<i>Fraxinus angustifolia</i>	green	amber	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Fraxinus angustifolia</i> subsp. <i>angustifolia</i>	green	amber	red		
<i>Fraxinus angustifolia</i> subsp. <i>oxycarpa</i>	amber	red	red		
<i>Fraxinus chinensis</i>	amber-max	amber-max	red-max		
<i>Fraxinus excelsior</i>	red	red	red		
<i>Fraxinus griffithii</i>	green	green	amber-max		
<i>Fraxinus ornus</i>	amber	amber	red		
<i>Fraxinus pennsylvanica</i>	amber	amber	red		
<i>Fraxinus velutina</i>	green	green	green		
<i>Garrya elliptica</i>	red	red	red		
<i>Garrya flavescens</i>	amber	amber	red		
<i>Geijera parviflora</i>	green	green	green		
<i>Genista aetnensis</i>	red	red	red		
<i>Genista monspessulana</i>	amber	amber	red		
<i>Genista spachiana</i>	green	green	red	yes	
<i>Ginkgo biloba</i>	green	amber-max	amber		
<i>Gleditsia triacanthos</i>	green	green	amber		
<i>Glochidion ferdinandii</i>	blue	blue	blue	yes	
<i>Grevillea barklyana</i>	green	red	red		
<i>Grevillea crithmifolia</i>	aqua	green	green		
<i>Grevillea hilliana</i>	blue	aqua	green		
<i>Grevillea hookeriana</i>	green	green	amber		
<i>Grevillea longistyla</i>	blue	aqua	green		
<i>Grevillea robusta</i>	green	green	green		
<i>Grevillea rosmarinifolia</i>	green	amber	red		
<i>Grevillea victoriae</i>	red	red	red		
<i>Hakea dactyloides</i>	green	green	red		
<i>Hakea drupacea</i>	green	green	amber		
<i>Hakea francisiana</i>	green	green	green		
<i>Hakea laurina</i>	green	green	red		
<i>Hakea leucoptera</i>	aqua	green	green		
<i>Hakea multilineata</i>	green	green	amber		
<i>Hakea nodosa</i>	amber	amber	red		
<i>Hakea petiolaris</i>	green	green	amber		
<i>Hakea salicifolia</i>	green	green	amber		
<i>Hakea saligna</i>	blue	blue	blue	yes	
<i>Hakea sericea</i>	green	green	amber		
<i>Hakea suaveolens</i>	aqua	green	red		
<i>Hakea undulata</i>	green	green	amber		
<i>Harpephyllum caffrum</i>	green	green	green		
<i>Harpullia pendula</i>	blue	aqua	green		
<i>Hebe diosmifolia</i>	blue	blue	red	yes	
<i>Hibiscus rosa-sinensis</i>	green	green	green		
<i>Hibiscus syriacus</i>	green	green	green		
<i>Homalanthus nutans</i>	aqua	green	green		
<i>Howea forsteriana</i>	aqua	green	green		
<i>Hymenosporum flavum</i>	green	green	amber-max		
<i>Ilex aquifolium</i>	red-max	red-max	red		
<i>Ilex centrochinensis</i>	amber-max	red-max	red	yes	
<i>Indigofera australis</i>	green	green	amber		
<i>Jacaranda mimosifolia</i>	green	green	amber-max		
<i>Jasminum officinale</i>	amber-max	amber-max	red-max		
<i>Jubaea chilensis</i>	green	amber	red	yes	
<i>Juglans nigra</i>	amber	amber	red		
<i>Juglans regia</i>	red	red	red		
<i>Juniperus chinensis</i>	amber-max	amber-max	red-max		
<i>Juniperus chinensis</i> var. <i>sargentii</i>	amber-max	amber-max	red-max		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Juniperus communis</i>	red	red	red		
<i>Juniperus scopulorum</i>	amber	amber	red		
<i>Juniperus squamata</i>	red	red	red		
<i>Juniperus virginiana</i>	green	green	amber		
<i>Koelreuteria paniculata</i>	green	green	green		
<i>Kunzea baxteri</i>	green	green	amber		
<i>Kunzea ericoides</i>	amber	red	red		
<i>Laburnum anagyroides</i>	red	red	red		
<i>Laburnum watereri</i>	red	red	red		
<i>Lagerstroemia indica</i>	green	green	green		
<i>Lagunaria patersonia</i>	green	green	amber		
<i>Larix decidua</i>	red	red	red		
<i>Laurelia sempervirens</i>	red	red	red		
<i>Laurus nobilis</i>	amber-max	amber-max	red-max		
<i>Leptospermum brevipes</i>	green	green	red		
<i>Leptospermum continentale</i>	green	amber	red		
<i>Leptospermum laevigatum</i>	green	green	amber		
<i>Leptospermum lanigerum</i>	amber	red	red		
<i>Leptospermum obovatum</i>	red	red	red		
<i>Leptospermum petersonii</i>	green	green	green		
<i>Leptospermum scoparium</i>	amber	red	red		
<i>Leptospermum trinervium</i>	green	green	amber		
<i>Leucadendron gandogerii</i>	green	green	red	yes	
<i>Leucadendron salignum</i>	green	green	red		
<i>Leucospermum cordifolium</i>	green	green	red		
<i>Ligustrum lucidum</i>	green	green	amber-max		
<i>Ligustrum ovalifolium</i>	red-max	red-max	red		
<i>Ligustrum sinense</i>	green	green	amber		
<i>Ligustrum vulgare</i>	red-max	red-max	red		
<i>Liquidambar formosana</i>	amber-max	amber-max	red-max		
<i>Liquidambar styraciflora</i>	green	green	green		
<i>Liriodendron tulipifera</i>	amber	amber	red		
<i>Lithocarpus edulis</i>	red-max	red-max	red		
<i>Livistona australis</i>	green	green	amber		
<i>Livistona chinensis</i>	aqua	green	green		
<i>Lophostemon confertus</i>	green	green	green		
<i>Luma apiculata</i>	red-max	red-max	red-max		
<i>Macadamia integrifolia</i>	aqua	aqua	green		
<i>Macadamia tetraphylla</i>	aqua	aqua	amber-max		
<i>Maclura pomifera</i>	green	green	amber		
<i>Magnolia doltsopa</i>	green	green	amber		
<i>Magnolia figo</i>	green	green	amber-max		
<i>Magnolia grandiflora</i>	green	green	amber-max		
<i>Magnolia soulangeana</i>	amber	amber	red		
<i>Magnolia wilsonii</i>	red-max	red-max	red	yes	
<i>Malus asiatica</i>	red-max	red	red		
<i>Malus floribunda</i>	red	red	red		
<i>Malus ioensis</i>	green	amber	red		
<i>Malus pumila</i>	amber	amber	red		
<i>Malus purpurea</i>	red	red	red		
<i>Malus sargentii</i>	red	red	red	yes	
<i>Malus spectabilis</i>	red-max	red	red		
<i>Malus yunnanensis</i>	red-max	red-max	red		
<i>Melaleuca alternifolia</i>	green	green	amber-max		
<i>Melaleuca armillaris</i>	green	green	red		
<i>Melaleuca bracteata</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Melaleuca brevifolia</i>	green	amber	red		
<i>Melaleuca decussata</i>	green	amber	red		
<i>Melaleuca diosmatifolia</i>	green	green	green		
<i>Melaleuca diosmifolia</i>	green	green	amber		
<i>Melaleuca elliptica</i>	green	green	amber		
<i>Melaleuca ericifolia</i>	green	green	red		
<i>Melaleuca fulgens</i>	green	green	green		
<i>Melaleuca halmaturorum</i>	green	green	red		
<i>Melaleuca huegelii</i>	green	green	green		
<i>Melaleuca hypericifolia</i>	green	green	red		
<i>Melaleuca incana</i>	green	green	amber		
<i>Melaleuca lanceolata</i>	green	green	amber		
<i>Melaleuca leucadendra</i>	blue	blue	blue		
<i>Melaleuca linariifolia</i>	green	green	amber-max		
<i>Melaleuca nesophila</i>	green	green	amber		
<i>Melaleuca parvistaminea</i>	red	red	red		
<i>Melaleuca pulchella</i>	aqua	green	amber		
<i>Melaleuca quinquenervia</i>	green	green	amber-max		
<i>Melaleuca squamea</i>	amber	amber	red		
<i>Melaleuca squarrosa</i>	amber	red	red		
<i>Melaleuca stypheioides</i>	green	green	amber-max		
<i>Melia azedarach</i>	green	green	green		
<i>Meryta denhamii</i>	blue	aqua	aqua		
<i>Mespilus germanica</i>	red	red	red		
<i>Metasequoia glyptostroboides</i>	green	green	amber-max		
<i>Metrosideros excelsa</i>	green	green	red		
<i>Morus alba</i>	green	green	green		
<i>Morus alba Pendula</i>	green	green	amber		
<i>Morus nigra</i>	green	green	amber-max		
<i>Myoporum insulare</i>	green	green	red		
<i>Myrsine howittiana</i>	green	green	amber		
<i>Myrtus communis</i>	amber-max	amber-max	red-max		
<i>Nandina domestica</i>	green	green	amber-max		
<i>Nerium oleander</i>	green	green	green		
<i>Nothofagus cunninghamii</i>	red	red	red		
<i>Nyssa sylvatica</i>	green	green	amber		
<i>Olea europaea</i>	green	green	amber		
<i>Olea europaea</i> subsp <i>europaea</i>	green	green	red		
<i>Olea europaea</i> subsp. <i>africana</i>	green	green	green		
<i>Olea europaea</i> subsp. <i>cuspidata</i>	green	green	amber		
<i>Omalianthus nutans</i>	green	green	amber-max		
<i>Opuntia ficus-indica</i>	green	green	green		
<i>Pachira insignis</i>	blue	blue	blue		
<i>Paraserianthes lophantha</i>	green	green	amber		
<i>Paulownia tomentosa</i>	amber	amber	red		
<i>Persea americana</i>	green	green	green		
<i>Phellodendron amurense</i>	red	red	red		
<i>Phoenix canariensis</i>	green	green	green		
<i>Phoenix dactylifera</i>	green	green	green		
<i>Phoenix reclinata</i>	aqua	green	amber-max		
<i>Phoenix roebelenii</i>	red-max	red-max	red-max		
<i>Phoenix sylvestris</i>	blue	blue	blue	yes	
<i>Photinia bodinieri</i>	red-max	red-max	red-max		
<i>Photinia glabra</i>	amber-max	amber-max	red-max		
<i>Photinia serratifolia</i>	green	green	amber-max		
<i>Photinia x fraseri</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Phyllostachys nigra</i>	green	green	amber		
<i>Picconia excelsa</i>	amber-max	amber-max	red-max		
<i>Picea abies</i>	red	red	red		
<i>Picea glauca</i>	red	red	red		
<i>Picea omorika</i>	red	red	red		
<i>Picea pungens</i>	red	red	red		
<i>Picea pungens f. glauca</i>	red	red	red	yes	
<i>Picea sitchensis</i>	red	red	red		
<i>Pilgerodendron uviferum</i>	red	red	red		
<i>Pinus brutia</i>	green	green	red		
<i>Pinus canariensis</i>	green	green	green		
<i>Pinus halepensis</i>	green	green	green		
<i>Pinus mugo</i>	red	red	red		
<i>Pinus nigra</i>	red	red	red		
<i>Pinus patula</i>	green	green	green		
<i>Pinus pinaster</i>	amber	red	red		
<i>Pinus pinea</i>	amber-max	amber-max	red-max		
<i>Pinus ponderosa</i>	red	red	red		
<i>Pinus radiata</i>	green	amber	red		
<i>Pinus roxburghii</i>	green	green	green		
<i>Pinus sylvestris</i>	red	red	red		
<i>Pinus tabuliformis</i>	amber	red	red		
<i>Pinus wallichiana</i>	amber	amber	red		
<i>Pistacia chinensis</i>	green	green	amber-max		
<i>Pittosporum angustifolium</i>	green	green	green		
<i>Pittosporum bicolor</i>	red	red	red		
<i>Pittosporum crassifolium</i>	green	amber	red		
<i>Pittosporum eugenioides</i>	green	amber	red		
<i>Pittosporum phillyraeoides</i>	green	green	green		
<i>Pittosporum tenuifolium</i>	amber	amber	red		
<i>Pittosporum tobira</i>	green	green	green		
<i>Pittosporum undulatum</i>	green	green	amber		
<i>Platanus hybrida</i>	green	green	green	Platanus x acerifolia	
<i>Platanus occidentalis</i>	green	green	amber		
<i>Platanus orientalis</i>	green	green	green		
<i>Platycladus orientalis</i>	green	amber-max	amber-max		
<i>Podocarpus elatus</i>	green	green	amber-max		
<i>Podocarpus henkelii</i>	green	green	green		
<i>Podocarpus salignus</i>	red	red	red		
<i>Polygala myrtifolia</i>	green	green	red		
<i>Pomaderris aspera</i>	amber	red	red		
<i>Populus alba</i>	amber	amber	red		
<i>Populus balsamifera</i>	red	red	red		
<i>Populus canadensis</i>	red	red	red	Populus x canadensis	
<i>Populus canescens</i>	red	red	red		
<i>Populus deltoides</i>	green	green	amber		
<i>Populus deltoides</i> subsp. <i>monilifera</i>	red	red	red		
<i>Populus nigra</i>	amber-max	amber	red-max		
<i>Populus simonii</i>	amber	amber	red		
<i>Populus yunnanensis</i>	green	amber	red		
<i>Portulacaria afra</i>	green	green	green		
<i>Protea compacta</i>	blue	blue	blue		
<i>Protea cynaroides</i>	blue	blue	red		
<i>Protea nerifolia</i>	green	green	red		
<i>Prunus amygdalo-persica</i>	amber-max	amber-max	red-max	yes	
<i>Prunus amygdalus</i>	amber-max	amber-max	red-max	yes	

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Prunus armeniaca</i>	green	green	amber		
<i>Prunus avium</i>	red	red	red		
<i>Prunus cerasifera</i>	amber	amber	red		
<i>Prunus domestica</i>	red-max	red-max	red-max		
<i>Prunus dulcis</i>	green	amber	red		
<i>Prunus incisa</i>	red	red	red		
<i>Prunus laurocerasus</i>	red-max	red-max	red		
<i>Prunus lusitanica</i>	amber	red	red		
<i>Prunus mume</i>	amber-max	amber-max	red-max		
<i>Prunus nigra</i>	red	red	red		
<i>Prunus persica</i>	green	green	green		
<i>Prunus sargentii</i>	red	red	red		
<i>Prunus serrula</i>	red-max	red-max	red-max		
<i>Prunus serrulata</i>	amber	amber	red-max		
<i>Prunus serrulata</i> var. <i>lannesiana</i>	red-max	red	red	yes	
<i>Prunus speciosa</i>	blue	blue	red		
<i>Prunus subhirtella</i>	red	red	red		
<i>Prunus velutina</i>	red	red	red	yes	
<i>Pseudotsuga menziesii</i>	red	red	red		
<i>Psoralea pinnata</i>	green	green	green		
<i>Punica granatum</i>	green	green	green		
<i>Pyracantha crenulata</i>	green	green	red		
<i>Pyrus betulifolia</i>	red	red	red	yes	
<i>Pyrus calleryana</i>	green	green	amber		
<i>Pyrus communis</i>	amber-max	amber-max	red-max		
<i>Pyrus nivalis</i>	red	red	red		
<i>Pyrus pashia</i>	amber-max	amber-max	red-max		
<i>Pyrus pyrifolia</i>	green	amber-max	amber		
<i>Pyrus salicifolia</i>	red	red	red		
<i>Pyrus ussuriensis</i>	amber-max	amber	red		
<i>Quercus acutissima</i>	green	green	amber		
<i>Quercus agrifolia</i>	green	green	red		
<i>Quercus bicolor</i>	red	red	red		
<i>Quercus buckleyi</i>	aqua	green	amber-max	yes	
<i>Quercus calliprinos</i>	aqua	aqua	amber-max		
<i>Quercus canariensis</i>	amber-max	amber-max	red		
<i>Quercus canbyi</i>	green	green	green		
<i>Quercus castaneifolia</i>	red	red	red	yes	
<i>Quercus cerris</i>	red-max	red-max	red-max		
<i>Quercus coccifera</i>	amber-max	amber-max	red-max		
<i>Quercus coccinea</i>	red	red	red		
<i>Quercus dentata</i>	amber-max	red-max	red-max		
<i>Quercus douglasii</i>	amber	amber	red		
<i>Quercus frainetto</i>	red	red	red		
<i>Quercus gambellii</i>	red	red	red	yes	
<i>Quercus hispanica</i>	red	red	red	yes	
<i>Quercus ilex</i>	amber-max	amber-max	red		
<i>Quercus libani</i>	red-max	red-max	red	yes	
<i>Quercus lobata</i>	green	amber	red		
<i>Quercus lusitanica</i>	amber-max	amber	red		
<i>Quercus macrocarpa</i>	amber	amber	amber		
<i>Quercus michauxii</i>	green	amber-max	amber-max		
<i>Quercus palustris</i>	red	red	red		
<i>Quercus petraea</i>	red	red	red		
<i>Quercus phellos</i>	green	green	amber		
<i>Quercus prinus</i>	red	red	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Quercus robur</i>	red	red	red		
<i>Quercus rubra</i>	red-max	red-max	red		
<i>Quercus rugosa</i>	green	green	amber		
<i>Quercus suber</i>	amber-max	amber-max	red-max		
<i>Quercus virginiana</i>	green	green	amber-max		
<i>Quercus x hispanica</i>	red	red	red	yes	
<i>Radermachera sinica</i>	aqua	green	green		
<i>Rapanea howittiana</i>	green	green	amber		
<i>Ravenea rivularis</i>	blue	blue	blue		
<i>Rhaphiolepis delacourii</i>	amber-max	amber-max	red-max	yes	
<i>Rhaphiolepis Xdelacourii</i>	amber-max	amber-max	red-max	yes	
<i>Rhododendron arboreum</i>	green	green	amber-max		
<i>Ricinus communis</i>	green	green	green		
<i>Robinia pseudoacacia</i>	amber	amber	red		
<i>Sabal minor</i>	aqua	green	amber-max		
<i>Salix babylonica</i>	green	green	green		
<i>Salix caprea</i>	red	red	red		
<i>Salix chilensis</i>	amber-max	amber-max	red-max		
<i>Salix cinerea</i>	red	red	red		
<i>Salix discolor</i>	amber	amber	red		
<i>Salix fragilis</i>	red	red	red		
<i>Salix humboldtiana</i>	green	green	green		
<i>Salix reichardtii</i>	red	red	red		
<i>Salix sepulcralis</i>	amber	red	red		
<i>Salix x salomonii</i>	red	red	red	yes	
<i>Sambucus nigra</i>	red-max	red-max	red-max		
<i>Sannantha virgata</i>	green	green	green		
<i>Schefflera actinophylla</i>	green	green	green		
<i>Schinus areira</i>	green	green	amber		
<i>Schinus molle</i>	green	green	amber		
<i>Schinus terebinthifolius</i>	green	green	green		
<i>Senna artemisioides</i>	green	green	green		
<i>Senna multiglandulosa</i>	green	green	amber		
<i>Senna pendula</i>	aqua	green	amber-max		
<i>Sequoia sempervirens</i>	green	green	amber		
<i>Sequoiadendron giganteum</i>	red	red	red		
<i>Solanum aviculare</i>	green	green	amber		
<i>Solanum mauritianum</i>	green	green	green		
<i>Sophora howinsula</i>	aqua	green	green		
<i>Sophora microphylla</i>	red-max	red-max	red		
<i>Sophora tetaptera</i>	red-max	red-max	red		
<i>Sorbus aucuparia</i>	red	red	red		
<i>Sorbus domestica</i>	red	red	red		
<i>Stenocarpus sinuatus</i>	green	green	green		
<i>Strelitzia nicolai</i>	aqua	green	green		
<i>Styphnolobium japonicum</i>	green	amber-max	amber		
<i>Syagrus romanzoffiana</i>	green	green	amber-max		
<i>Syncarpia glomulifera</i>	green	green	amber		
<i>Syringa vulgaris</i>	red	red	red		
<i>Syzygium australe</i>	green	green	green		
<i>Syzygium floribundum</i>	aqua	aqua	green		
<i>Syzygium ingens</i>	green	green	green		
<i>Syzygium luehmannii</i>	blue	aqua	green		
<i>Syzygium paniculatum</i>	green	green	amber		
<i>Syzygium smithii</i>	green	green	amber		
<i>Tamarix aphylla</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Tamarix parviflora</i>	green	green	amber		
<i>Taxandria juniperina</i>	green	green	red		
<i>Taxandria marginata</i>	aqua	green	red		
<i>Taxodium distichum</i>	green	green	amber-max		
<i>Taxus baccata</i>	red	red	red		
<i>Tecoma capensis</i>	green	green	green		
<i>Tecoma smithii</i>	amber-max	amber-max	red-max	yes	
<i>Tecomaria capensis</i>	green	green	green		
<i>Thryptomene saxicola</i>	green	green	amber		
<i>Thuja occidentalis</i>	red-max	red-max	red-max		
<i>Thuja plicata</i>	red	red	red		
<i>Tilia cordata</i>	red	red	red		
<i>Tilia europaea</i>	red	red	red		Tilia x europaea
<i>Tilia platyphyllos</i>	red	red	red		
<i>Tilia tomentosa</i>	amber	red	red		
<i>Tipuana tipu</i>	green	green	green		
<i>Toona ciliata</i>	green	green	amber-max		
<i>Toona sinensis</i>	amber-max	amber-max	red-max		
<i>Toxicodendron succedaneum</i>	green	green	amber-max		
<i>Trachycarpus fortunei</i>	amber-max	amber-max	red-max		
<i>Triadica sebifera</i>	green	green	amber-max		
<i>Tristaniopsis laurina</i>	green	green	amber		
<i>Ulmus glabra</i>	red	red	red		
<i>Ulmus hollandica</i>	red	red	red		Ulmus x hollandica
<i>Ulmus minor</i>	amber-max	amber	red		
<i>Ulmus parvifolia</i>	green	green	green		
<i>Ulmus procera</i>	red-max	red-max	red		
<i>Umbellularia californica</i>	amber	red	red		
<i>Viburnum macrocephalum</i>	green	amber-max	amber		
<i>Viburnum opulus</i>	red	red	red		
<i>Viburnum plicatum</i>	amber	amber	red		
<i>Viburnum tinus</i>	amber-max	amber	red		
<i>Viminaria juncea</i>	green	green	amber		
<i>Virgilia divaricata</i>	green	green	red		
<i>Virgilia oroboides</i>	green	green	red		
<i>Virgilia oroboides</i> subsp. <i>oroboides</i>	blue	blue	red		
<i>Vitex lucens</i>	green	amber	red		
<i>Washingtonia filifera</i>	green	green	green		
<i>Washingtonia robusta</i>	green	green	green		
<i>Waterhousea floribunda</i>	green	green	amber-max		
<i>Westringia fruticosa</i>	green	green	amber		
<i>Widdringtonia schwarzii</i>	blue	blue	red		
<i>Wisteria floribunda</i>	amber	amber	red		
<i>Wisteria sinensis</i>	green	green	amber		
<i>Wollemia nobilis</i>	green	green	green	yes	
<i>Yucca elephantipes</i>	green	green	green		
<i>Yucca gigantea</i>	green	green	green		
<i>Zelkova serrata</i>	green	green	amber-max		

Appendix B

Species List B: The temperature vulnerability of trees not currently planted in the City of Melbourne

Note that this list is not designed to be applied to greater Melbourne, which has a broader temperature profile than the City of Melbourne, or other cities with different temperature profiles.

Key to reading the species list:

Vulnerability rating	Green	Melbourne has a similar temperature to other places where the species is found and the species is not considered vulnerable in this temperature scenario
	Amber	Melbourne is hotter than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Aqua	Melbourne is colder than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Red	Melbourne is hotter than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Blue	Melbourne is colder than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Max/min	The max/min suffix indicates that the rating is due to extreme maximum and minimum rather than mean annual temperatures.
Temperature scenario	Current	Melbourne with a mean annual temperature of 16.4 °C and extreme maximum temperatures are 44 °C.
	Moderate	Melbourne with moderate climate change by 2040 increasing temperatures 0.8 °C and extreme maximum temperatures increase by 0.5 °C.
	Extreme	Melbourne with extreme climate change by 2090 increasing temperatures 3 °C and extreme maximum temperatures increase by 2 °C.

Limited data indicates that fewer than 20 records were found in the GBIF database and the species was found in fewer than 5 global city inventories – interpret results with caution.

taxa	status-current	status-	status-	limited data	synonym
		moderate	extreme		
<i>Abies alba</i>	red	red	red		
<i>Abies balsamea</i>	red	red	red		
<i>Abies concolor</i>	red	red	red		
<i>Abies fraseri</i>	red	red	red		
<i>Abies grandis</i>	red	red	red		
<i>Abies homolepis</i>	red	red	red		
<i>Abies procera</i>	red	red	red		
<i>Abies religiosa</i>	red-max	red-max	red-max		
<i>Abies sibirica</i>	red	red	red		
<i>Acacia aneura</i>	blue	aqua	green		
<i>Acacia aroma</i>	green	green	green		
<i>Acacia atramentaria</i>	green	green	green		
<i>Acacia auriculiformis</i>	blue	blue	aqua		
<i>Acacia caven</i>	red-max	red-max	red-max		
<i>Acacia confusa</i>	aqua	red-max	red-max		
<i>Acacia cyanophylla</i>	aqua	green	green		
<i>Acacia karoo</i>	amber-max	amber-max	red-max	yes	
<i>Acacia leprosa</i>	amber	amber	red		
<i>Acacia mangium</i>	blue	blue	green		
<i>Acacia minuta</i>	blue	blue	amber-max	yes	
<i>Acacia nilotica</i>	blue	aqua	aqua		
<i>Acacia pennata</i>	red-max	red-max	red-max		
<i>Acacia provincialis</i>	amber	amber	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Acacia sophorae</i>	green	green	green		
<i>Acacia stenophylla</i>	aqua	green	green		
<i>Acacia subporosa</i>	green	amber	red		
<i>Acacia visco</i>	green	green	amber		
<i>Acalypha australis</i>	green	green	amber-max		
<i>Acer circinatum</i>	red	red	red		
<i>Acer ginnala</i>	red	red	red		
<i>Acer grandidentatum</i>	green	green	amber		
<i>Acer griseum</i>	red	red	red		
<i>Acer miyabei</i>	red	red	red	yes	
<i>Acer mono</i>	amber	amber	red		
<i>Acer nigrum</i>	red	red	red		
<i>Acer pensylvanicum</i>	red	red	red		
<i>Acer saccharum</i>	amber	amber	red		
<i>Acer tataricum</i>	red	red	red		
<i>Acer triflorum</i>	red	red	red	yes	
<i>Acer truncatum</i>	green	amber-max	amber		
<i>Acrocarpus fraxinifolius</i>	aqua	green	green	yes	
<i>Adansonia digitata</i>	blue	blue	aqua		
<i>Adenanthera pavonina</i>	blue	blue	aqua		
<i>Adina cordifolia</i>	blue	blue	blue		
<i>Aegle marmelos</i>	blue	blue	blue		
<i>Aesculus carnea</i>	red	red	red		Aesculus x carnea
<i>Aesculus glabra</i>	amber	amber	red		
<i>Aesculus parviflora</i>	green	amber-max	red		
<i>Aesculus pavia</i>	green	green	amber-max		
<i>Afrocarpus usambarensis</i>	blue	blue	blue	yes	
<i>Agathis macrophylla</i>	blue	blue	blue		
<i>Aglaia odorata</i>	green	green	green		
<i>Ailanthus fordii</i>	blue	red-max	red-max	yes	
<i>Ailanthus triphysa</i>	blue	aqua	green		
<i>Albizia distachya</i>	green	green	amber	yes	
<i>Albizia falcata</i>	blue	blue	blue	yes	
<i>Albizia inundata</i>	blue	blue	aqua		
<i>Albizia lebbeck</i>	blue	blue	aqua		
<i>Albizia odoratissima</i>	aqua	green	amber-max		
<i>Albizia procera</i>	blue	blue	aqua		
<i>Albizia saman</i>	blue	blue	aqua		
<i>Aleurites moluccana</i>	aqua	aqua	green		
<i>Allophylus edulis</i>	aqua	green	green		
<i>Alnus formosana</i>	red-max	red-max	red-max		
<i>Alnus incana</i>	red	red	red		
<i>Alnus rhombifolia</i>	green	green	red		
<i>Alnus serrulata</i>	green	green	red		
<i>Alstonia angustiloba</i>	blue	blue	blue	yes	
<i>Alstonia scholaris</i>	blue	blue	aqua		
<i>Amburana cearensis</i>	blue	blue	blue		
<i>Amelanchier alnifolia</i>	red	red	red		
<i>Amelanchier arborea</i>	amber	amber	red		
<i>Amelanchier canadensis</i>	red	red	red		
<i>Amelanchier laevis</i>	red	red	red		
<i>Amherstia nobilis</i>	blue	blue	blue	yes	
<i>Anacardium occidentale</i>	blue	blue	blue		
<i>Anadenanthera colubrina</i>	blue	aqua	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Anarthrophyllum rigidum</i>	red	red	red		
<i>Andira inermis</i>	blue	blue	blue		
<i>Annona crassiflora</i>	blue	blue	aqua		
<i>Annona montana</i>	blue	blue	blue		
<i>Annona muricata</i>	blue	blue	red-max		
<i>Annona reticulata</i>	blue	blue	aqua		
<i>Annona squamosa</i>	blue	blue	aqua		
<i>Apeiba tibourbou</i>	blue	blue	blue		
<i>Aphanamixis polystachya</i>	blue	blue	aqua		
<i>Aquilaria malaccensis</i>	blue	blue	blue	yes	
<i>Aralia elata</i>	amber	amber	red		
<i>Aralia hispida</i>	red	red	red		
<i>Aralia nudicaulis</i>	red	red	red		
<i>Aralia racemosa</i>	red	red	red		
<i>Aralia spinosa</i>	green	amber-max	amber		
<i>Arbutus andrachne</i>	aqua	amber-max	amber-max		
<i>Arbutus tessellata</i>	green	green	amber		
<i>Arbutus xalapensis</i>	green	green	green		
<i>Artocarpus altilis</i>	blue	aqua	aqua		
<i>Artocarpus camansi</i>	blue	blue	blue	yes	
<i>Artocarpus communis</i>	blue	blue	green		
<i>Artocarpus gomezianus</i>	blue	blue	blue	yes	
<i>Artocarpus heterophyllus</i>	blue	aqua	red-max		
<i>Artocarpus integrifolia</i>	red-max	red-max	red-max	yes	
<i>Artocarpus lakoocha</i>	blue	blue	amber-max	yes	
<i>Asimina triloba</i>	amber	amber	red		
<i>Aspidosperma polyneuron</i>	blue	blue	green		
<i>Aspidosperma pyrifolium</i>	blue	blue	blue		
<i>Astronium fraxinifolium</i>	blue	blue	aqua		
<i>Austroplenckia populnea</i>	blue	blue	aqua		
<i>Averrhoa bilimbi</i>	blue	blue	blue		
<i>Averrhoa carambola</i>	blue	aqua	aqua		
<i>Azadirachta indica</i>	blue	blue	aqua		
<i>Azara microphylla</i>	red	red	red		
<i>Azara serrata</i>	red-max	red-max	red-max		
<i>Baccaurea ramiflora</i>	blue	blue	amber-max		
<i>Balanites aegyptiaca</i>	blue	blue	blue		
<i>Barringtonia acutangula</i>	blue	blue	blue		
<i>Bauhinia blakeana</i>	aqua	green	green		
<i>Bauhinia cheilantha</i>	blue	blue	blue		
<i>Bauhinia forficata</i>	green	green	green		
<i>Bauhinia hookeri</i>	blue	blue	aqua		
<i>Bauhinia monandra</i>	blue	blue	blue		
<i>Bauhinia purpurea</i>	aqua	green	green		
<i>Betula alleghaniensis</i>	red	red	red		
<i>Betula lenta</i>	red	red	red		
<i>Betula nigra</i>	green	green	amber		
<i>Betula platyphylla</i>	red-max	red-max	red		
<i>Betula populifolia</i>	red	red	red		
<i>Betula utilis</i>	amber	amber	red		
<i>Bischofia javanica</i>	aqua	aqua	amber-max		
<i>Bischofia polycarpa</i>	amber-max	red-max	red-max		
<i>Bixa orellana</i>	blue	blue	aqua		
<i>Blepharocalyx salicifolius</i>	green	green	green		
<i>Bolusanthus speciosus</i>	blue	aqua	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Bombax ceiba</i>	blue	blue	red-max		
<i>Bouea macrophylla</i>	blue	blue	blue	yes	
<i>Bowdichia virgilioides</i>	blue	blue	aqua		
<i>Bridelia monoica</i>	blue	red-max	red-max		
<i>Bridelia retusa</i>	aqua	amber-max	amber-max		
<i>Broussonetia papyrifera</i>	green	green	amber-max		
<i>Buchenavia tomentosa</i>	blue	blue	blue		
<i>Bursera serrata</i>	red-max	red-max	red-max	yes	
<i>Bursera simaruba</i>	blue	blue	red-max		
<i>Butea monosperma</i>	aqua	aqua	aqua	yes	
<i>Cabralea canjerana</i>	aqua	green	green		
<i>Caesalpinia crista</i>	blue	aqua	aqua		
<i>Caesalpinia echinata</i>	blue	blue	aqua		
<i>Caesalpinia ferrea</i>	aqua	green	green		
<i>Caesalpinia mexicana</i>	blue	aqua	green		
<i>Caesalpinia peltophoroides</i>	green	green	amber-max		
<i>Caesalpinia pluviosa</i>	blue	blue	aqua		
<i>Caesalpinia pulcherrima</i>	blue	aqua	green		
<i>Caesalpinia pyramidalis</i>	blue	blue	blue		
<i>Callitris endlicheri</i>	green	green	red		
<i>Calocedrus decurrens</i>	red	red	red		
<i>Calophyllum brasiliense</i>	blue	aqua	aqua		
<i>Calophyllum inophyllum</i>	blue	blue	blue		
<i>Calotropis gigantea</i>	aqua	aqua	aqua		
<i>Calpurnia aurea</i>	aqua	green	green		
<i>Calycothecium candidissimum</i>	blue	blue	blue		
<i>Camellia sinensis</i>	amber-max	amber-max	red-max		
<i>Campomanesia xanthocarpa</i>	aqua	green	green		
<i>Camptotheca acuminata</i>	amber-max	amber-max	red-max		
<i>Cananga odorata</i>	blue	blue	red-max		
<i>Carallia brachiata</i>	blue	blue	blue		
<i>Carapa guianensis</i>	blue	blue	aqua		
<i>Careya arborea</i>	blue	blue	blue		
<i>Carica papaya</i>	aqua	aqua	aqua		
<i>Cariniana estrellensis</i>	blue	blue	green		
<i>Cariniana legalis</i>	blue	blue	green		
<i>Carpinus caroliniana</i>	green	green	green		
<i>Carya aquatica</i>	green	amber-max	amber-max		
<i>Carya cordiformis</i>	amber	red	red		
<i>Carya glabra</i>	green	green	green		
<i>Carya laciniosa</i>	red	red	red		
<i>Carya ovalis</i>	amber	red	red		
<i>Carya ovata</i>	green	amber	amber		
<i>Carya tomentosa</i>	green	green	amber		
<i>Caryocar brasiliense</i>	blue	blue	aqua		
<i>Casimiroa greggii</i>	aqua	aqua	green		
<i>Cassia bicapsularis</i>	aqua	aqua	red-max		
<i>Cassia ferruginea</i>	blue	blue	green		
<i>Cassia fistula</i>	blue	blue	aqua		
<i>Cassia grandis</i>	blue	blue	red-max		
<i>Cassia leiandra</i>	blue	blue	blue		
<i>Cassia nodosa</i>	blue	red-max	red-max		
<i>Cassia renigera</i>	blue	aqua	aqua	yes	
<i>Castanea dentata</i>	amber	red	red		
<i>Castanea pumila</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Castanopsis fissa</i>	blue	red-max	red-max		
<i>Castanospermum australe</i>	aqua	green	green		
<i>Casuarina junghuhniana</i>	blue	blue	blue	yes	
<i>Catalpa bungei</i>	amber-max	red-max	red		
<i>Catalpa longissima</i>	blue	blue	blue		
<i>Catalpa ovata</i>	green	amber-max	red		
<i>Catalpa speciosa</i>	amber	amber	red		
<i>Cecropia glaziovii</i>	aqua	aqua	green		
<i>Cecropia hololeuca</i>	blue	blue	aqua		
<i>Cecropia pachystachya</i>	blue	blue	aqua		
<i>Cecropia palmata</i>	blue	blue	blue		
<i>Cecropia schreberiana</i>	blue	blue	blue		
<i>Cedrela fissilis</i>	aqua	aqua	green		
<i>Ceiba glaziovii</i>	blue	blue	blue		
<i>Ceiba insignis</i>	aqua	aqua	green		
<i>Ceiba pentandra</i>	blue	blue	blue		
<i>Celtis africana</i>	green	green	green		
<i>Celtis bungeana</i>	amber-max	red-max	red-max		
<i>Celtis laevigata</i>	green	green	green		
<i>Celtis pallida</i>	aqua	green	green		
<i>Celtis sinensis</i>	green	green	green		
<i>Centrolobium robustum</i>	blue	blue	green		
<i>Centrolobium tomentosum</i>	aqua	aqua	green		
<i>Cerbera manghas</i>	blue	blue	blue		
<i>Cercidiphyllum japonicum</i>	red	red	red		
<i>Cercis canadensis</i>	green	green	amber		
<i>Cercis chinensis</i>	green	amber-max	amber		
<i>Cercis occidentalis</i>	green	green	red		
<i>Chamaecyparis nootkatensis</i>	red	red	red		
<i>Chamaecytisus palmensis</i>	amber	amber	red		
<i>Chilopsis linearis</i>	green	green	green		
<i>Choerospondias axillaris</i>	amber-max	amber-max	red-max		
<i>Chrysophyllum cainito</i>	blue	blue	aqua		
<i>Chrysophyllum oliviforme</i>	blue	aqua	red-max		
<i>Chukrasia tabularis</i>	blue	aqua	amber-max		
<i>Cinnamomum iners</i>	blue	aqua	aqua		
<i>Cinnamomum parthenoxylon</i>	amber-max	amber-max	red-max		
<i>Cinnamomum tamala</i>	amber-max	amber-max	red-max		
<i>Cinnamomum verum</i>	aqua	aqua	amber-max		
<i>Citharexylum myrianthum</i>	aqua	aqua	green		
<i>Citharexylum quadrangulare</i>	green	green	green	yes	
<i>Citharexylum spinosum</i>	blue	blue	blue		
<i>Citrus hystrix</i>	amber-max	amber-max	red-max		
<i>Citrus maxima</i>	green	amber-max	amber-max		
<i>Citrus medica</i>	green	amber-max	amber-max		
<i>Citrus mitis</i>	blue	blue	blue	yes	
<i>Citrus x aurantium</i>	green	green	amber-max		
<i>Citrus x microcarpa</i>	blue	blue	blue	yes	
<i>Citrus x tangelo</i>	blue	blue	blue	yes	
<i>Cladrastis kentukea</i>	amber	red	red		
<i>Cladrastis lutea</i>	red	red	red		
<i>Clausena lansium</i>	blue	aqua	green		
<i>Clitoria fairchildiana</i>	blue	blue	blue		
<i>Clitoria racemosa</i>	blue	blue	aqua	yes	
<i>Clusia major</i>	blue	blue	blue	yes	

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Cnidoscolus chayamansa</i>	blue	blue	blue		
<i>Coccoloba mollis</i>	blue	blue	aqua		
<i>Coccoloba uvifera</i>	blue	blue	aqua		
<i>Cocculus laurifolius</i>	green	green	amber-max		
<i>Cochlospermum vitifolium</i>	blue	blue	blue		
<i>Coffea arabica</i>	aqua	green	amber-max		
<i>Colvillea racemosa</i>	blue	blue	blue		
<i>Cordia sebestena</i>	blue	blue	blue		
<i>Cordia subcordata</i>	blue	blue	blue		
<i>Cordia trichotoma</i>	blue	aqua	green		
<i>Cornus alba</i>	red	red	red		
<i>Cornus alternifolia</i>	green	amber	red		
<i>Cornus florida</i>	green	green	amber		
<i>Cornus kousa</i>	amber	amber	red		
<i>Cornus mas</i>	red	red	red		
<i>Cornus racemosa</i>	red	red	red		
<i>Cornus sanguinea</i>	red	red	red		
<i>Corylus americana</i>	red	red	red		
<i>Corylus cornuta</i>	red	red	red		
<i>Corymbia terminalis</i>	blue	blue	blue		
<i>Corynocarpus laevigata</i>	green	green	red	yes	
<i>Couroupita guianensis</i>	blue	blue	blue		
<i>Crataegus calpodendron</i>	red	red	red		
<i>Crataegus chrysocarpa</i>	red	red	red		
<i>Crataegus coccinea</i>	red	red	red		
<i>Crataegus crus-galli</i>	amber	amber	red		
<i>Crataegus mollis</i>	red	red	red		
<i>Crataegus orientalis</i>	red	red	red		
<i>Crataegus pinnatifida</i>	red	red	red		
<i>Crataegus sanguinea</i>	red	red	red		
<i>Crataegus submollis</i>	red	red	red		
<i>Crataegus tanacetifolia</i>	red	red	red	yes	
<i>Crataegus viridis</i>	green	green	green		
<i>Crateva nurvala</i>	blue	blue	red-max	yes	
<i>Crateva religiosa</i>	blue	blue	blue		
<i>Cratoxylum ligustrinum</i>	blue	blue	red-max	yes	
<i>Crescentia cujete</i>	blue	blue	aqua		
<i>Crinodendron patagua</i>	green	red	red	yes	
<i>Croton urucurana</i>	blue	blue	green		
<i>Cupressus guadalupensis</i>	green	green	amber		
<i>Cupressus lindleyi</i>	green	green	amber-max		
<i>Cyathea arborea</i>	blue	blue	blue		
<i>Cybistax antisyphilitica</i>	blue	blue	green		
<i>Dalbergia balansae</i>	amber-max	amber-max	red-max		
<i>Dalbergia latifolia</i>	blue	blue	aqua	yes	
<i>Dalbergia miscolobium</i>	blue	blue	green		
<i>Dalbergia nigra</i>	blue	blue	aqua		
<i>Dalbergia sissoo</i>	aqua	aqua	green		
<i>Davidia involucrata</i>	red-max	red	red		
<i>Delonix regia</i>	blue	blue	green		
<i>Derris robusta</i>	blue	blue	red-max	yes	
<i>Dicksonia antarctica</i>	green	amber	red		
<i>Dillenia indica</i>	blue	aqua	amber-max		
<i>Dimocarpus longan</i>	aqua	aqua	amber-max		
<i>Dimorphandra mollis</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Diospyros burchellii</i>	blue	blue	blue		
<i>Diospyros dichrophylla</i>	blue	blue	blue		
<i>Diospyros ebenum</i>	aqua	aqua	amber-max		
<i>Diospyros embryopteris</i>	green	amber-max	amber-max	yes	
<i>Diospyros lotus</i>	amber-max	amber-max	red		
<i>Diospyros virginiana</i>	green	green	amber		
<i>Dombeya cacuminum</i>	blue	aqua	green	yes	
<i>Dombeya tiliacea</i>	green	green	amber-max		
<i>Dombeya wallichii</i>	green	green	green		
<i>Dracaena sanderiana</i>	red-max	red-max	red-max	yes	
<i>Dracontomelon dao</i>	blue	blue	blue	yes	
<i>Drypetes roxburghii</i>	blue	blue	blue	yes	
<i>Durio zibethinus</i>	green	green	amber-max		
<i>Ehretia acuminata</i>	green	green	amber-max		
<i>Ehretia anacua</i>	blue	blue	green		
<i>Elaeagnus argentea</i>	red	red	red	yes	
<i>Elaeagnus umbellata</i>	amber	amber	red		
<i>Elaeocarpus decipiens</i>	amber-max	red-max	red-max		
<i>Elaeocarpus floribundus</i>	blue	blue	blue		
<i>Elaeocarpus hainanensis</i>	blue	blue	blue	yes	
<i>Elaeocarpus hygrophilus</i>	blue	blue	blue	yes	
<i>Elaeocarpus obovatus</i>	green	green	amber-max		
<i>Elaeocarpus robustus</i>	blue	blue	blue	yes	
<i>Elaeocarpus serratus</i>	red-max	red-max	red-max		
<i>Elaeocarpus sphaericus</i>	aqua	aqua	red-max		
<i>Elaeodendron orientale</i>	aqua	aqua	red-max	yes	
<i>Enterolobium contortisiliquum</i>	blue	blue	red-max		
<i>Enterolobium cyclocarpum</i>	blue	blue	red-max		
<i>Enterolobium ellipticum</i>	blue	blue	aqua		
<i>Enterolobium timbouva</i>	blue	blue	aqua		
<i>Eriobotrya deflexa</i>	amber-max	red-max	red-max		
<i>Eriotheca pubescens</i>	blue	blue	blue		
<i>Erythrina coralodendron</i>	amber-max	red-max	red-max	yes	
<i>Erythrina coralloides</i>	green	green	green		
<i>Erythrina falcata</i>	green	green	amber-max		
<i>Erythrina herbacea</i>	green	green	green		
<i>Erythrina sandwicensis</i>	blue	blue	blue	yes	
<i>Erythrina speciosa</i>	blue	aqua	green		
<i>Erythrina subumbrans</i>	blue	blue	blue	yes	
<i>Erythrina velutina</i>	blue	blue	aqua		
<i>Erythroxylum deciduum</i>	aqua	green	green		
<i>Eucalyptus amygdalina</i>	red	red	red		
<i>Eucalyptus aromaphloia</i>	red	red	red		
<i>Eucalyptus burdettiana</i>	green	amber	red		
<i>Eucalyptus deglupta</i>	green	green	green		
<i>Eucalyptus formanii</i>	aqua	green	green		
<i>Eucalyptus haemastoma</i>	green	green	amber		
<i>Eucalyptus macrocarpa</i>	green	green	green		
<i>Eucalyptus maculata</i>	green	green	amber-max		
<i>Eucalyptus microtheca</i>	blue	blue	blue		
<i>Eucalyptus neglecta</i>	red	red	red		
<i>Eucalyptus pleurocarpa</i>	green	green	amber		
<i>Eucalyptus risdonii</i>	red	red	red		
<i>Eucalyptus torelliana</i>	blue	blue	aqua		
<i>Eucommia ulmoides</i>	green	amber-max	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucryphia lucida</i>	red	red	red		
<i>Eugenia luschnathiana</i>	blue	blue	blue	yes	
<i>Eugenia uniflora</i>	blue	aqua	amber-max		
<i>Eugenia uvalha</i>	blue	aqua	green	yes	
<i>Euodia hupehensis</i>	red	red	red	yes	
<i>Euonymus bungeanus</i>	green	amber-max	amber		
<i>Euphorbia cotinifolia</i>	amber-max	amber-max	red-max		
<i>Euphorbia pulcherrima</i>	green	green	green		
<i>Fagraea berteroana</i>	blue	blue	blue		
<i>Fagus grandifolia</i>	amber	amber	red		
<i>Fagus orientalis</i>	amber	amber	red		
<i>Falcataria moluccana</i>	blue	blue	red-max		
<i>Feronia limonia</i>	blue	blue	blue	yes	
<i>Ficus benghalensis</i>	aqua	aqua	green		
<i>Ficus burtt-davyi</i>	blue	blue	blue		
<i>Ficus callosa</i>	blue	blue	blue	yes	
<i>Ficus calyptroceras</i>	blue	blue	aqua		
<i>Ficus catappifolia</i>	blue	blue	blue		
<i>Ficus citrifolia</i>	aqua	red-max	red-max		
<i>Ficus cotinifolia</i>	blue	blue	red-max		
<i>Ficus edulis</i>	blue	blue	blue	yes	
<i>Ficus enormis</i>	aqua	aqua	green		
<i>Ficus exasperata</i>	blue	blue	blue		
<i>Ficus hispida</i>	blue	blue	aqua		
<i>Ficus lyrata</i>	green	green	green		
<i>Ficus racemosa</i>	blue	blue	aqua		
<i>Ficus religiosa</i>	aqua	aqua	amber-max		
<i>Ficus retusa</i>	aqua	aqua	amber-max		
<i>Ficus rumphii</i>	blue	blue	aqua	yes	
<i>Ficus septica</i>	blue	blue	aqua		
<i>Ficus superba</i>	green	green	green		
<i>Ficus virens</i>	blue	blue	aqua		
<i>Filicium decipiens</i>	blue	blue	blue		
<i>Firmiana platanifolia</i>	amber-max	amber-max	red-max		
<i>Flacourtie inermis</i>	blue	blue	blue		
<i>Frangula alnus</i>	red	red	red		
<i>Fraxinus berlandieriana</i>	green	green	green		
<i>Fraxinus caroliniana</i>	green	amber-max	amber-max		
<i>Fraxinus latifolia</i>	amber	red	red		
<i>Fraxinus nigra</i>	red	red	red		
<i>Fraxinus quadrangulata</i>	red	red	red		
<i>Fraxinus uhdei</i>	green	green	green		
<i>Garcinia gummi-gutta</i>	blue	blue	blue	yes	
<i>Garcinia spicata</i>	blue	blue	blue	yes	
<i>Gardenia thunbergia</i>	amber-max	amber-max	red-max		
<i>Garuga pinnata</i>	aqua	aqua	red-max		
<i>Genipa americana</i>	blue	blue	aqua		
<i>Geoffroea decorticans</i>	green	green	green		
<i>Gleditsia sinensis</i>	amber-max	amber-max	red-max		
<i>Gliricidia sepium</i>	blue	blue	aqua		
<i>Glycosmis pentaphylla</i>	blue	blue	aqua		
<i>Glyptostrobus pensilis</i>	amber-max	amber-max	red-max		
<i>Gmelina arborea</i>	blue	blue	blue		
<i>Gnetum gnemon</i>	blue	blue	red-max		
<i>Gordonia axillaris</i>	green	green	amber-max		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Gordonia lasianthus</i>	amber-max	red-max	red-max		
<i>Grevillea banksii</i>	aqua	green	green		
<i>Grevillea bipinnatifida</i>	green	green	amber		
<i>Grewia microcos</i>	blue	blue	blue	yes	
<i>Grewia tenax</i>	aqua	aqua	aqua		
<i>Grewia tiliifolia</i>	red-max	red-max	red-max		
<i>Griselinia littoralis</i>	red	red	red		
<i>Guaiacum officinale</i>	blue	blue	blue		
<i>Guarea guidonia</i>	blue	blue	aqua		
<i>Guarea macrophylla</i>	blue	aqua	green		
<i>Guazuma ulmifolia</i>	blue	blue	red-max		
<i>Gymnocalamus dioicus</i>	red	red	red		
<i>Hakea acicularis</i>	blue	blue	red	yes	
<i>Hakea baxteri</i>	green	green	red		
<i>Hakea ulicina</i>	amber	amber	red		
<i>Halesia carolina</i>	green	amber-max	amber		
<i>Hamamelis virginiana</i>	green	amber	red		
<i>Heliotropium foertherianum</i>	blue	blue	blue		
<i>Heritiera littoralis</i>	blue	blue	blue		
<i>Heteromeles arbutifolia</i>	green	green	red		
<i>Heteropanax fragrans</i>	blue	aqua	amber-max		
<i>Hevea brasiliensis</i>	blue	blue	blue		
<i>Hibiscus mutabilis</i>	amber-max	amber-max	red-max		
<i>Hibiscus pernambucensis</i>	blue	blue	blue		
<i>Hibiscus tiliaceus</i>	blue	blue	aqua		
<i>Hoheria populnea</i>	red-max	red-max	red		
<i>Holarrhena pubescens</i>	blue	blue	blue		
<i>Holocalyx balansae</i>	blue	blue	green		
<i>Hopea odorata</i>	blue	blue	blue	yes	
<i>Hovenia dulcis</i>	green	green	amber-max		
<i>Humulus scandens</i>	amber-max	red-max	red-max		
<i>Hura crepitans</i>	blue	blue	red-max		
<i>Hydnocarpus alpina</i>	blue	blue	blue	yes	
<i>Hymenaea courbaril</i>	blue	blue	amber-max		
<i>Hymenaea stigonocarpa</i>	blue	blue	blue		
<i>Ilex attenuata</i>	green	amber-max	amber-max	yes	
<i>Ilex cassine</i>	aqua	red-max	red-max		
<i>Ilex cornuta</i>	green	green	amber-max		
<i>Ilex crenata</i>	amber	amber	amber		
<i>Ilex glabra</i>	amber-max	amber-max	red-max		
<i>Ilex mucronata</i>	red	red	red		
<i>Ilex opaca</i>	green	green	amber		
<i>Ilex paraguariensis</i>	amber-max	amber-max	red-max		
<i>Ilex rotunda</i>	amber-max	amber-max	red-max		
<i>Ilex verticillata</i>	red	red	red		
<i>Ilex vomitoria</i>	aqua	green	amber-max		
<i>Inga alba</i>	blue	blue	aqua		
<i>Inga edulis</i>	blue	aqua	aqua		
<i>Inga laurina</i>	blue	blue	red-max		
<i>Inocarpus fagifer</i>	blue	blue	blue		
<i>Jacaranda cuspidifolia</i>	blue	blue	aqua		
<i>Juglans californica</i>	green	green	amber		
<i>Juglans cinerea</i>	red	red	red		
<i>Juglans mollis</i>	green	green	green		
<i>Juniperus conferta</i>	amber	red	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Juniperus drupacea</i>	amber	amber	red		
<i>Juniperus formosana</i>	amber-max	red-max	red		
<i>Kageneckia oblonga</i>	red	red	red	yes	
<i>Kalopanax pictus</i>	red-max	red-max	red		
<i>Khaya senegalensis</i>	blue	blue	blue		
<i>Kielmeyera coriacea</i>	blue	blue	green		
<i>Kigelia pinnata</i>	blue	blue	red-max		
<i>Kiggelaria africana</i>	blue	blue	blue		
<i>Kleinhovia hospita</i>	blue	blue	aqua		
<i>Koelreuteria elegans</i>	aqua	aqua	green		
<i>Laburnum vulgare</i>	green	green	red	yes	
<i>Lafoensia glyptocarpa</i>	blue	blue	aqua		
<i>Lafoensia pacari</i>	blue	aqua	green		
<i>Lagerstroemia floribunda</i>	blue	blue	blue		
<i>Lagerstroemia londoni</i>	blue	blue	blue	yes	
<i>Lagerstroemia macrocarpa</i>	blue	blue	blue		
<i>Lagerstroemia parviflora</i>	aqua	green	green	yes	
<i>Lagerstroemia reginae</i>	blue	blue	blue	yes	
<i>Lagerstroemia speciosa</i>	blue	aqua	aqua		
<i>Lagerstroemia subcostata</i>	aqua	red-max	red-max		
<i>Lagunaria patersonii</i>	green	green	green		
<i>Lannea coromandelica</i>	aqua	aqua	red-max		
<i>Lansium domesticum</i>	blue	blue	blue		
<i>Larix kaempferi</i>	red-max	red-max	red		
<i>Larix laricina</i>	red	red	red		
<i>Larix leptolepis</i>	red-max	red	red		
<i>Larix sibirica</i>	red	red	red		
<i>Lavatera assurgentiflora</i>	green	green	amber		
<i>Lawsonia inermis</i>	blue	blue	red-max		
<i>Lecythis pisonis</i>	blue	blue	blue		
<i>Leucaena esculenta</i>	aqua	amber-max	red-max		
<i>Leucaena glauca</i>	aqua	aqua	green		
<i>Leucaena leucocephala</i>	blue	aqua	green		
<i>Licania tormentosa</i>	blue	blue	green		
<i>Ligustrum japonicum</i>	green	green	green		
<i>Ligustrum obtusifolium</i>	amber	red	red		
<i>Ligustrum sempervirens</i>	red-max	red	red	yes	
<i>Lindera benzoin</i>	amber	amber	red		
<i>Liriodendron chinense</i>	amber-max	amber-max	red-max		
<i>Litchi chinensis</i>	aqua	green	amber-max		
<i>Lithraea ternifolia</i>	green	green	green	yes	
<i>Lithrea caustica</i>	red	red	red	yes	
<i>Litsea glutinosa</i>	blue	blue	blue		
<i>Litsea monopetala</i>	amber-max	amber-max	red-max		
<i>Litsea salicifolia</i>	aqua	aqua	red-max	yes	
<i>Lonicera maackii</i>	amber	amber	red		
<i>Lonicera mexicana</i>	green	green	red		
<i>Lophanthera lactescens</i>	blue	blue	blue		
<i>Luehea divaricata</i>	aqua	aqua	green		
<i>Lyonothamnus floribundus</i>	green	amber	red		
<i>Lysiloma microphyllum</i>	aqua	aqua	red-max		
<i>Maackia amurensis</i>	red	red	red		
<i>Macaranga tanarius</i>	blue	blue	green		
<i>Machaerium opacum</i>	blue	blue	blue		
<i>Machilus kusanoi</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Madhuca indica</i>	blue	blue	blue	yes	
<i>Magnolia acuminata</i>	green	amber	red		
<i>Magnolia biondii</i>	red	red	red	yes	
<i>Magnolia denudata</i>	amber-max	amber-max	red-max		
<i>Magnolia macrophylla</i>	green	green	amber-max		
<i>Magnolia stellata</i>	green	amber	amber		
<i>Magnolia tripetala</i>	green	amber	red		
<i>Magnolia virginiana</i>	green	amber-max	amber-max		
<i>Magnolia x loebneri</i>	red	red	red	yes	
<i>Magonia pubescens</i>	blue	blue	blue		
<i>Mallotus paniculatus</i>	aqua	aqua	green		
<i>Malpighia glabra</i>	blue	blue	green		
<i>Malus angustifolia</i>	green	amber-max	amber-max		
<i>Malus baccata</i>	amber	amber	red		
<i>Malus coronaria</i>	red	red	red		
<i>Malus hupehensis</i>	amber-max	amber-max	red		
<i>Malus micromalus</i>	red-max	red-max	red	yes	
<i>Malus prunifolia</i>	amber	amber	red		
<i>Malus sylvestris</i>	red-max	red-max	red		
<i>Malus toringoides</i>	red	red	red		
<i>Malus trilobata</i>	red-max	red	red	yes	
<i>Malus tschonoskii</i>	red	red	red		
<i>Mammea americana</i>	blue	blue	aqua		
<i>Mangifera indica</i>	aqua	aqua	green		
<i>Manihot esculenta</i>	blue	blue	red-max		
<i>Manihot glaziovii</i>	blue	blue	aqua		
<i>Manilkara achras</i>	blue	blue	blue		
<i>Manilkara bahamensis</i>	blue	blue	blue	yes	
<i>Manilkara zapota</i>	blue	blue	aqua		
<i>Markhamia lutea</i>	blue	blue	blue		
<i>Matayba elaeagnoides</i>	red-max	red-max	red-max		
<i>Maytenus boaria</i>	amber	amber	amber		
<i>Medicago arborea</i>	green	green	red		
<i>Melaleuca coccinea</i>	aqua	green	amber		
<i>Melanoxyylon brauna</i>	blue	blue	aqua		
<i>Melicoccus bijugatus</i>	blue	blue	red-max		
<i>Melicytus dentatus</i>	amber	amber	red		
<i>Metrosideros polymorpha</i>	blue	blue	blue		
<i>Meyna spinosa</i>	blue	blue	blue	yes	
<i>Michelia champaca</i>	aqua	green	amber-max		
<i>Michelia doltsopa</i>	green	green	amber		
<i>Michelia figo</i>	green	green	amber-max		
<i>Michelia x alba</i>	aqua	green	green		
<i>Miliusa tomentosa</i>	blue	blue	blue	yes	
<i>Millingtonia hortensis</i>	aqua	aqua	aqua		
<i>Mimosa caesalpiniifolia</i>	blue	blue	blue		
<i>Mimosa tenuiflora</i>	blue	blue	blue		
<i>Mimusops caffra</i>	blue	blue	blue		
<i>Mimusops elengi</i>	blue	blue	blue		
<i>Morinda angustifolia</i>	blue	blue	blue	yes	
<i>Morinda citrifolia</i>	blue	blue	blue		
<i>Morinda coreia</i>	blue	blue	blue	yes	
<i>Moringa oleifera</i>	blue	blue	blue		
<i>Morus kagayamae</i>	red-max	red-max	red		
<i>Morus rubra</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Muntingia calabura</i>	blue	blue	aqua		
<i>Murraya koenigii</i>	green	green	green		
<i>Murraya paniculata</i>	aqua	aqua	green		
<i>Myoporum laetum</i>	green	green	red		
<i>Myracrodruon urundeuva</i>	blue	blue	aqua		
<i>Myrcia tomentosa</i>	blue	blue	aqua		
<i>Myrcianthes pungens</i>	aqua	green	green		
<i>Myrciaria trunciflora</i>	aqua	aqua	green	yes	
<i>Myrica cerifera</i>	amber-max	amber-max	red-max		
<i>Myrica pensylvanica</i>	red	red	red		
<i>Myrica rubra</i>	amber-max	amber-max	red-max		
<i>Myristica fragrans</i>	aqua	aqua	aqua		
<i>Myroxylon peruiferum</i>	aqua	aqua	green		
<i>Myrsine guianensis</i>	aqua	green	green		
<i>Nectandra megapotamica</i>	aqua	green	green		
<i>Nephelium lappaceum</i>	blue	blue	blue		
<i>Noronia emarginata</i>	blue	blue	blue		
<i>Nothofagus dombeyi</i>	red	red	red		
<i>Nothofagus obliqua</i>	red	red	red		
<i>Notholithocarpus densiflorus</i>	red	red	red		
<i>Ochroma pyramidalis</i>	red-max	red-max	red-max		
<i>Ochromia elliptica</i>	blue	blue	aqua		
<i>Ocotea velutina</i>	blue	blue	aqua		
<i>Olneya tesota</i>	blue	blue	aqua		
<i>Omalanthus populifolius</i>	green	green	green		
<i>Ormosia stipularis</i>	blue	blue	blue	yes	
<i>Oroxylum indicum</i>	aqua	aqua	amber-max		
<i>Osmanthus delavayi</i>	red-max	red-max	red		
<i>Osmanthus fragrans</i>	amber-max	amber-max	red-max		
<i>Osmanthus heterophyllus</i>	red-max	red-max	red-max		
<i>Ostrya virginiana</i>	green	green	green		
<i>Ouratea hexasperma</i>	blue	blue	blue		
<i>Oxydendrum arboreum</i>	green	amber-max	amber		
<i>Pachira aquatica</i>	blue	blue	red-max		
<i>Pachira glabra</i>	blue	blue	green		
<i>Palaquium formosanum</i>	blue	blue	blue		
<i>Pandanus kaida</i>	blue	blue	red-max	yes	
<i>Pandanus tectorius</i>	blue	blue	aqua		
<i>Parapiptadenia rigida</i>	red-max	red-max	red-max		
<i>Parkia speciosa</i>	blue	blue	blue		
<i>Parkia timoriana</i>	blue	blue	blue	yes	
<i>Parkinsonia aculeata</i>	green	green	green		
<i>Parkinsonia florida</i>	green	green	green		
<i>Parkinsonia microphylla</i>	aqua	aqua	green		
<i>Parkinsonia praecox</i>	green	green	green		
<i>Parmentiera cereifera</i>	blue	blue	aqua		
<i>Parrotia persica</i>	red	red	red		
<i>Paulownia fortunei</i>	amber-max	red-max	red-max		
<i>Peltophorum dubium</i>	blue	blue	aqua		
<i>Peltophorum pterocarpum</i>	blue	blue	blue		
<i>Persea borbonia</i>	aqua	green	green		
<i>Petitia domingensis</i>	blue	blue	blue		
<i>Peumus boldus</i>	amber	amber	red		
<i>Philodendron pinnatifidum</i>	amber-max	amber-max	red-max	yes	
<i>Photinia davidiana</i>	red-max	red-max	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Photinia davidsoniae</i>	amber-max	amber-max	red-max		
<i>Photinia villosa</i>	amber-max	amber	red-max		
<i>Phyllanthus acidus</i>	blue	blue	red-max		
<i>Phyllanthus emblica</i>	green	green	amber-max		
<i>Physocalymma scaberrimum</i>	blue	blue	blue		
<i>Phytolacca dioica</i>	green	green	green		
<i>Picea asperata</i>	red	red	red		
<i>Picea engelmannii</i>	red	red	red		
<i>Picea koraiensis</i>	red	red	red	yes	
<i>Picea likiangensis</i>	red	red	red		
<i>Picea mariana</i>	red	red	red		
<i>Picea meyeri</i>	red	red	red	yes	
<i>Picea orientalis</i>	red	red	red		
<i>Picea rubens</i>	red	red	red		
<i>Picea wilsonii</i>	red	red	red		
<i>Pimenta dioica</i>	blue	aqua	aqua		
<i>Pimenta racemosa</i>	blue	blue	red-max		
<i>Pinus attenuata</i>	red	red	red		
<i>Pinus ayacahuite</i>	green	green	green		
<i>Pinus banksiana</i>	red	red	red		
<i>Pinus bungeana</i>	red	red	red		
<i>Pinus cembra</i>	red	red	red		
<i>Pinus clausa</i>	blue	blue	red-max		
<i>Pinus contorta</i>	red	red	red		
<i>Pinus coulteri</i>	amber	red	red		
<i>Pinus echinata</i>	green	green	green		
<i>Pinus edulis</i>	red	red	red		
<i>Pinus elliottii</i>	aqua	green	amber-max		
<i>Pinus flexilis</i>	red	red	red		
<i>Pinus glabra</i>	aqua	amber-max	red-max		
<i>Pinus hartwegii</i>	green	green	amber		
<i>Pinus maritima</i>	red-max	red	red	yes	
<i>Pinus massoniana</i>	amber-max	amber-max	red-max		
<i>Pinus merkusii</i>	blue	blue	red-max		
<i>Pinus montezumae</i>	green	green	green		
<i>Pinus monticola</i>	red	red	red		
<i>Pinus palustris</i>	amber-max	amber-max	red-max		
<i>Pinus peuce</i>	red	red	red		
<i>Pinus pseudostrobus</i>	green	green	green		
<i>Pinus resinosa</i>	red	red	red		
<i>Pinus rigida</i>	red	red	red		
<i>Pinus serotina</i>	amber-max	amber-max	red-max		
<i>Pinus sibirica</i>	red	red	red		
<i>Pinus strobiformis</i>	green	green	amber		
<i>Pinus strobus</i>	red	red	red		
<i>Pinus taeda</i>	green	green	amber-max		
<i>Pinus thunbergii</i>	amber-max	amber-max	red-max		
<i>Pinus virginiana</i>	amber	amber	red		
<i>Piptadenia gonoacantha</i>	aqua	aqua	green		
<i>Piptadenia stipulacea</i>	blue	blue	blue		
<i>Pithecellobium dulce</i>	blue	blue	aqua		
<i>Pithecellobium flexicaule</i>	blue	blue	aqua	yes	
<i>Pittosporum arborescens</i>	blue	blue	blue	yes	
<i>Pittosporum ferrugineum</i>	blue	aqua	aqua		
<i>Pittosporum napaliense</i>	green	green	amber-max	yes	

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Pittosporum pentandrum</i>	blue	blue	red-max		
<i>Pittosporum rhombifolium</i>	green	green	green		
<i>Platanus racemosa</i>	green	green	amber		
<i>Platanus wrightii</i>	green	green	green		
<i>Plathymenia reticulata</i>	blue	blue	aqua		
<i>Platymiscium floribundum</i>	blue	aqua	green		
<i>Platymiscium pinnatum</i>	blue	blue	aqua		
<i>Platypodium elegans</i>	blue	blue	aqua		
<i>Plinia edulis</i>	blue	blue	green		
<i>Plinia glomerata</i>	blue	blue	green	yes	
<i>Plumeria obtusa</i>	blue	blue	blue		
<i>Plumeria rubra</i>	aqua	aqua	green		
<i>Podocarpus gracilior</i>	green	green	green		
<i>Podocarpus latifolius</i>	red-max	red-max	red-max		
<i>Podocarpus nerifolius</i>	aqua	amber-max	red-max		
<i>Poitea punicea</i>	blue	blue	blue		
<i>Polyalthia longifolia</i>	blue	blue	blue		
<i>Polyscias balfouriana</i>	blue	blue	blue	yes	
<i>Polyscias guilfoylei</i>	blue	blue	aqua		
<i>Pomaderris apetala</i>	red	red	red		
<i>Pometia pinnata</i>	blue	blue	blue		
<i>Poncirus trifoliata</i>	green	green	amber-max		
<i>Pongamia glabra</i>	blue	blue	blue	yes	
<i>Pongamia pinnata</i>	blue	blue	blue		
<i>Populus angustifolia</i>	red	red	red		
<i>Populus grandidentata</i>	red-max	red	red		
<i>Populus heterophylla</i>	green	amber-max	red		
<i>Populus hopeiensis</i>	amber	red	red	yes	
<i>Populus tomentosa</i>	amber-max	amber-max	red-max		
<i>Populus tremula</i>	red	red	red		
<i>Populus tremuloides</i>	red	red	red		
<i>Populus x berolinensis</i>	red	red	red		
<i>Pouteria campechiana</i>	blue	blue	red-max		
<i>Pouteria ramiflora</i>	blue	blue	aqua		
<i>Pouteria torta</i>	blue	blue	aqua		
<i>Prosopis alba</i>	green	green	green		
<i>Prosopis chilensis</i>	green	green	green		
<i>Prosopis flexuosa</i>	green	green	green		
<i>Prosopis juliflora</i>	blue	blue	aqua		
<i>Prosopis laevigata</i>	green	green	green		
<i>Prosopis nigra</i>	aqua	green	green		
<i>Prosopis pallida</i>	blue	blue	aqua		
<i>Prosopis pubescens</i>	green	green	green		
<i>Prosopis velutina</i>	green	green	green		
<i>Prumnopitys andina</i>	red	red	red		
<i>Prunus americana</i>	amber	amber	red		
<i>Prunus angustifolia</i>	green	green	amber		
<i>Prunus campanulata</i>	green	green	amber-max		
<i>Prunus caroliniana</i>	green	green	amber-max		
<i>Prunus cerasus</i>	red	red	red		
<i>Prunus davidiana</i>	amber-max	red-max	red-max	yes	
<i>Prunus glandulosa</i>	amber	red	red	yes	
<i>Prunus lyonii</i>	green	green	red		
<i>Prunus maackii</i>	red	red	red		
<i>Prunus maritima</i>	red	red	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Prunus padus</i>	red	red	red		
<i>Prunus pensylvanica</i>	red	red	red		
<i>Prunus pissardii</i>	red	red	red		
<i>Prunus pseudocerasus</i>	amber	amber	red	yes	
<i>Prunus salicina</i>	green	green	amber		
<i>Prunus serotina</i>	red-max	red-max	red		
<i>Prunus spinosa</i>	red-max	red-max	red		
<i>Prunus tomentosa</i>	red	red	red		
<i>Prunus triloba</i>	red	red	red		
<i>Prunus virginiana</i>	red	red	red		
<i>Prunus x cistena</i>	red	red	red	yes	
<i>Prunus yedoensis</i>	amber	red	red		
<i>Pseudobombax ellipticum</i>	aqua	aqua	amber-max		
<i>Pseudolarix amabilis</i>	green	amber-max	red		
<i>Psidium araca</i>	blue	blue	aqua	yes	
<i>Psidium cattleianum</i>	aqua	green	green		
<i>Psidium guajava</i>	aqua	aqua	green		
<i>Ptelea trifoliata</i>	green	green	green		
<i>Pterocarpus marsupium</i>	blue	blue	blue	yes	
<i>Pterocarpus rohrii</i>	blue	blue	aqua		
<i>Pterocarya stenoptera</i>	amber-max	amber-max	red-max		
<i>Pterodon emarginatus</i>	blue	blue	aqua		
<i>Pterogyne nitens</i>	blue	blue	aqua		
<i>Pterospermum acerifolium</i>	blue	blue	aqua	yes	
<i>Pterospermum heterophyllum</i>	aqua	red-max	red-max		
<i>Pterygota brasiliensis</i>	blue	blue	blue		
<i>Pyrus coronaria</i>	amber-max	red-max	red	yes	
<i>Pyrus fauriei</i>	red	red	red	yes	
<i>Pyrus kawakamii</i>	green	green	green		
<i>Pyrus malus</i>	amber-max	red-max	red-max		
<i>Qualea grandiflora</i>	blue	blue	aqua		
<i>Qualea parviflora</i>	blue	blue	blue		
<i>Quercus alba</i>	amber	amber	red		
<i>Quercus aliena</i>	amber-max	amber-max	red-max		
<i>Quercus berberidifolia</i>	green	amber	red		
<i>Quercus chrysolepis</i>	amber	amber	red		
<i>Quercus ellipsoidalis</i>	red	red	red		
<i>Quercus falcata</i>	green	green	amber		
<i>Quercus fusiformis</i>	aqua	green	green		
<i>Quercus geminata</i>	blue	blue	red-max		
<i>Quercus glandulifera</i>	amber-max	amber-max	red		
<i>Quercus hartwissiana</i>	red-max	red-max	red	yes	
<i>Quercus hemisphaerica</i>	aqua	amber-max	red-max		
<i>Quercus ilicifolia</i>	red	red	red		
<i>Quercus imbricaria</i>	red	red	red		
<i>Quercus kelloggii</i>	red	red	red		
<i>Quercus laurifolia</i>	green	amber-max	amber-max		
<i>Quercus liaotungensis</i>	red	red	red	yes	
<i>Quercus lyrata</i>	green	green	amber-max		
<i>Quercus macrolepis</i>	amber-max	amber-max	red	yes	
<i>Quercus marilandica</i>	green	green	amber		
<i>Quercus mexicana</i>	green	green	green		
<i>Quercus muehlenbergii</i>	green	green	green		
<i>Quercus nigra</i>	green	green	amber-max		
<i>Quercus polymorpha</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Quercus pontica</i>	red	red	red	yes	
<i>Quercus robusta</i>	amber	amber	red	yes	
<i>Quercus shumardii</i>	green	green	green		
<i>Quercus stellata</i>	green	green	green		
<i>Quercus variabilis</i>	amber-max	red-max	red-max		
<i>Quercus velutina</i>	amber	red	red		
<i>Quercus x bebbiana</i>	red	red	red	yes	
<i>Quercus x heterophylla</i>	red	red	red		
<i>Quillaja saponaria</i>	red	red	red		
<i>Reevesia thyrsoidea</i>	red-max	red-max	red-max		
<i>Rhamnus alaternus</i>	green	green	red		
<i>Rhamnus cathartica</i>	red	red	red		
<i>Rhamnus frangula</i>	red	red	red		
<i>Rhamnus ilicifolia</i>	green	green	red		
<i>Rhamnus parvifolia</i>	red-max	red-max	red-max		
<i>Rhizophora mucronata</i>	blue	blue	blue		
<i>Rhododendron canadense</i>	red	red	red		
<i>Rhododendron catawbiense</i>	red	red	red		
<i>Rhododendron maximum</i>	red	red	red		
<i>Rhododendron obtusum</i>	red-max	red	red	yes	
<i>Rhododendron periclymenoides</i>	red	red	red		
<i>Rhododendron ponticum</i>	red	red	red		
<i>Rhododendron simsii</i>	amber-max	amber-max	red-max		
<i>Rhododendron viscosum</i>	amber-max	amber-max	red-max		
<i>Rhodoleia championii</i>	amber-max	amber-max	red-max		
<i>Rhus copallina</i>	green	green	green		
<i>Rhus glabra</i>	amber	amber	red		
<i>Rhus typhina</i>	red	red	red		
<i>Robinia viscosa</i>	amber	red-max	red		
<i>Rothmannia globosa</i>	aqua	green	green		
<i>Ruprechtia laxiflora</i>	green	green	green		
<i>Salix caroliniana</i>	green	green	green		
<i>Salix daphnoides</i>	red	red	red		
<i>Salix eriocephala</i>	red	red	red		
<i>Salix exigua</i>	green	green	amber		
<i>Salix gooddingii</i>	green	green	green		
<i>Salix gracilistyla</i>	red-max	red	red		
<i>Salix laevigata</i>	green	green	red		
<i>Salix lasiolepis</i>	green	amber	red		
<i>Salix lucida</i>	amber	red	red		
<i>Salix magnifica</i>	red	red	red	yes	
<i>Salix matsudana</i>	green	green	red		
<i>Salix nigra</i>	green	green	amber		
<i>Salix paradoxia</i>	green	green	amber		
<i>Salix pentandra</i>	red	red	red		
<i>Salix phylicifolia</i>	red	red	red		
<i>Salix purpurea</i>	red	red	red		
<i>Salix sericea</i>	red	red	red		
<i>Salvadora persica</i>	blue	blue	aqua		
<i>Sambucus canadensis</i>	green	green	green		
<i>Sambucus mexicana</i>	green	green	green		
<i>Sambucus neomexicana</i>	amber	red	red		
<i>Sambucus racemosa</i>	red	red	red		
<i>Sandoricum koetjape</i>	blue	blue	blue		
<i>Santalum album</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Sapindus mukorossi</i>	amber-max	amber-max	red-max		
<i>Sapindus saponaria</i>	aqua	aqua	green		
<i>Sapium glandulatum</i>	aqua	aqua	green		
<i>Saraca asoca</i>	blue	blue	blue	yes	
<i>Saraca indica</i>	green	green	green		
<i>Sassafras albidum</i>	amber	amber	red		
<i>Schefflera arboricola</i>	green	green	green		
<i>Schefflera macrocarpa</i>	blue	blue	red-max		
<i>Schefflera octophylla</i>	red-max	red-max	red-max		
<i>Schefflera pueckleri</i>	aqua	green	green	yes	
<i>Schima superba</i>	amber-max	amber-max	red-max		
<i>Schinopsis brasiliensis</i>	blue	blue	blue		
<i>Schizolobium parahyba</i>	aqua	aqua	green		
<i>Schleichera oleosa</i>	blue	blue	blue		
<i>Sciadopitys verticillata</i>	red	red	red		
<i>Sclerolobium paniculatum</i>	blue	blue	blue		
<i>Scolopia chinensis</i>	blue	blue	red-max		
<i>Semecarpus anacardium</i>	aqua	aqua	aqua	yes	
<i>Senna candolleana</i>	amber	amber	red	yes	
<i>Senna macranthera</i>	blue	blue	aqua		
<i>Senna siamea</i>	blue	red-max	red-max		
<i>Senna spectabilis</i>	blue	aqua	green		
<i>Senna surattensis</i>	blue	blue	aqua		
<i>Sesbania punicea</i>	green	green	green		
<i>Sesbania sesban</i>	blue	blue	green		
<i>Sideroxylon inerme</i>	blue	blue	blue		
<i>Sideroxylon palmeri</i>	blue	aqua	red-max		
<i>Simarouba amara</i>	blue	blue	red-max		
<i>Simarouba glauca</i>	blue	blue	blue		
<i>Sophora japonica</i>	green	amber-max	amber-max		
<i>Sophora secundiflora</i>	green	green	green		
<i>Sorbus alnifolia</i>	red	red	red		
<i>Sorbus americana</i>	red	red	red		
<i>Sorbus aria</i>	red	red	red		
<i>Sorbus decora</i>	red	red	red		
<i>Sorbus latifolia</i>	red	red	red		
<i>Sorbus mougeotii</i>	red	red	red		
<i>Spartium junceum</i>	green	green	green		
<i>Spathodea campanulata</i>	aqua	aqua	green		
<i>Spathodea nilotica</i>	blue	blue	blue	yes	
<i>Spondias dulcis</i>	blue	blue	blue		
<i>Spondias mombin</i>	blue	blue	red-max		
<i>Spondias Pinnata</i>	blue	blue	aqua		
<i>Spondias purpurea</i>	blue	aqua	aqua		
<i>Spondias tuberosa</i>	blue	blue	blue		
<i>Staphylea trifolia</i>	red	red	red		
<i>Sterculia foetida</i>	blue	blue	blue		
<i>Sterculia guttata</i>	blue	blue	blue	yes	
<i>Sterculia lanceolata</i>	blue	aqua	amber-max		
<i>Sterculia villosa</i>	blue	blue	red-max	yes	
<i>Stereospermum chelonoides</i>	green	amber-max	amber-max	yes	
<i>Streblus asper</i>	blue	blue	blue		
<i>Strychnos nux-vomica</i>	blue	blue	blue		
<i>Stryphnodendron adstringens</i>	blue	blue	green		
<i>Styrax ferrugineus</i>	blue	blue	aqua		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Swietenia macrophylla</i>	blue	blue	aqua		
<i>Syringa josikaea</i>	red	red	red		
<i>Syringa komarovii</i>	red-max	red	red		
<i>Syringa reticulata</i>	red	red	red		
<i>Syringa villosa</i>	red	red	red		
<i>Syringa X chinensis</i>	red	red	red	yes	
<i>Syringa X persica</i>	red	red	red		
<i>Syzygium aqueum</i>	aqua	aqua	green		
<i>Syzygium aromaticum</i>	green	amber-max	amber-max		
<i>Syzygium cordatum</i>	blue	blue	blue		
<i>Syzygium cumini</i>	blue	aqua	green		
<i>Syzygium grande</i>	blue	blue	blue		
<i>Syzygium grijsii</i>	amber-max	red-max	red-max	yes	
<i>Syzygium jambos</i>	aqua	aqua	amber-max		
<i>Syzygium malaccense</i>	blue	aqua	aqua		
<i>Syzygium nervosum</i>	blue	blue	blue		
<i>Syzygium polyanthum</i>	blue	blue	blue		
<i>Syzygium samarangense</i>	blue	blue	blue		
<i>Tabebuia alba</i>	aqua	green	green		
<i>Tabebuia argentea</i>	blue	blue	blue	yes	
<i>Tabebuia aurea</i>	blue	blue	blue		
<i>Tabebuia avellanedae</i>	blue	aqua	green		
<i>Tabebuia bahamensis</i>	blue	blue	blue	yes	
<i>Tabebuia capitata</i>	blue	blue	blue		
<i>Tabebuia chrysotricha</i>	blue	blue	amber-max		
<i>Tabebuia donnell-smithii</i>	blue	blue	aqua		
<i>Tabebuia heterophylla</i>	blue	aqua	aqua		
<i>Tabebuia impetiginosa</i>	aqua	aqua	green		
<i>Tabebuia ochracea</i>	blue	blue	aqua		
<i>Tabebuia rosea</i>	blue	blue	aqua		
<i>Tabebuia serratifolia</i>	blue	blue	aqua		
<i>Taiwania cryptomerioides</i>	green	green	amber		
<i>Talisia esculenta</i>	blue	blue	blue		
<i>Tamarindus indica</i>	blue	blue	aqua		
<i>Tapirira guianensis</i>	blue	blue	aqua		
<i>Taxodium ascendens</i>	amber-max	amber-max	red-max		
<i>Taxodium mucronatum</i>	green	green	green		
<i>Taxus canadensis</i>	red-max	red-max	red-max		
<i>Taxus cuspidata</i>	red	red	red		
<i>Tecoma stans</i>	green	green	green		
<i>Tecomella undulata</i>	green	green	green	yes	
<i>Tectona grandis</i>	blue	blue	blue		
<i>Terminalia arjuna</i>	blue	blue	blue	yes	
<i>Terminalia bellirica</i>	blue	blue	blue		
<i>Terminalia catappa</i>	aqua	aqua	green		
<i>Terminalia chebula</i>	green	green	amber-max		
<i>Terminalia paniculata</i>	blue	blue	blue	yes	
<i>Ternstroemia gymnanthera</i>	green	amber-max	amber-max		
<i>Tetradium daniellii</i>	red	red	red		
<i>Tetrameles nudiflora</i>	blue	blue	blue		
<i>Theobroma cacao</i>	blue	aqua	aqua		
<i>Thespesia grandiflora</i>	blue	blue	blue		
<i>Thespesia populnea</i>	blue	blue	blue		
<i>Thevetia peruviana</i>	blue	aqua	amber-max		
<i>Thujopsis dolabrata</i>	red	red	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Tibouchina candolleana</i>	blue	blue	green		
<i>Tibouchina granulosa</i>	red-max	red-max	red-max		
<i>Tibouchina mutabilis</i>	aqua	amber-max	red-max		
<i>Tibouchina pulchra</i>	aqua	green	green		
<i>Tibouchina semidecandra</i>	green	amber-max	amber-max		
<i>Tilia americana</i>	amber	red	red		
<i>Tilia mongolica</i>	red	red	red	yes	
<i>Tilia rubra</i>	amber	red	red	yes	
<i>Tilia x euchlora</i>	red	red	red		
<i>Tilia x petiolaris</i>	red	red	red	yes	
<i>Tilia x vulgaris</i>	red	red	red		
<i>Toona sureni</i>	blue	red-max	red-max		
<i>Torreya taxifolia</i>	aqua	aqua	red-max	yes	
<i>Trema orientalis</i>	aqua	aqua	green		
<i>Trichilia dregeana</i>	blue	blue	blue		
<i>Triplaris americana</i>	blue	aqua	aqua		
<i>Triplaris gardneriana</i>	blue	blue	blue		
<i>Triplaris surinamensis</i>	blue	blue	blue	yes	
<i>Tsuga canadensis</i>	red	red	red		
<i>Tsuga caroliniana</i>	red	red	red		
<i>Ulmus alata</i>	green	green	green		
<i>Ulmus americana</i>	green	amber	amber		
<i>Ulmus carpinifolia</i>	amber	red	red		
<i>Ulmus laevis</i>	red	red	red		
<i>Ulmus pumila</i>	green	green	amber		
<i>Ulmus rubra</i>	green	amber	amber		
<i>Ulmus serotina</i>	green	green	amber	yes	
<i>Ulmus thomasii</i>	red	red	red		
<i>Viburnum odoratissimum</i>	amber-max	amber-max	red-max		
<i>Viburnum rhytidophyllum</i>	red	red	red		
<i>Vitex agnus-castus</i>	green	green	green		
<i>Vitex altissima</i>	blue	blue	blue	yes	
<i>Vitex parviflora</i>	blue	blue	blue		
<i>Wrightia pubescens</i>	green	green	green		
<i>Wrightia tinctoria</i>	blue	blue	blue	yes	
<i>Xylia xylocarpa</i>	blue	blue	blue	yes	
<i>Zelkova carpinifolia</i>	red-max	red	red		
<i>Zelkova schneideriana</i>	amber-max	red-max	red-max		
<i>Ziziphus amole</i>	blue	aqua	aqua		
<i>Ziziphus joazeiro</i>	blue	blue	blue		
<i>Ziziphus mauritiana</i>	blue	blue	aqua		
<i>Ziziphus spina-christi</i>	blue	aqua	green		
<i>Ziziphus zizyphus</i>	green	green	green		
<i>Zuccagnia punctata</i>	green	amber	red		

Appendix C

Species List C: The temperature vulnerability of Australian trees not currently planted in the City of Melbourne

Note that this list is not designed to be applied to greater Melbourne, which has a broader temperature profile than the City of Melbourne, or other cities with different temperature profiles.

Key to reading the species list:

Vulnerability rating	Green	Melbourne has a similar temperature to other places where the species is found and the species is not considered vulnerable in this temperature scenario
	Amber	Melbourne is hotter than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Aqua	Melbourne is colder than most (90%) other places where the species is found and the species is considered moderately vulnerable in this temperature scenario.
	Red	Melbourne is hotter than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Blue	Melbourne is colder than nearly all (97.5%) other places where the species is found and the species is considered very vulnerable in this temperature scenario.
	Max/min	The max/min suffix indicates that the rating is due to extreme maximum and minimum rather than mean annual temperatures.
Temperature scenario	Current	Melbourne with a mean annual temperature of 16.4 °C and extreme maximum temperatures are 44 °C.
	Moderate	Melbourne with moderate climate change by 2040 increasing temperatures 0.8 °C and extreme maximum temperatures increase by 0.5 °C.
	Extreme	Melbourne with extreme climate change by 2090 increasing temperatures 3 °C and extreme maximum temperatures increase by 2 °C.

Limited data indicates that fewer than 20 records were found in the GBIF database and the species was found in fewer than 5 global city inventories – interpret results with caution.

taxa	status-current	status-moderate	status-extreme	limited data	synonym
Acacia aneura var. aneura	blue	aqua	green		
Acacia aneura var. argentea	blue	blue	green	yes	
Acacia aneura var. fuliginea	blue	blue	aqua	yes	
Acacia aneura var. intermedia	blue	blue	green		
Acacia aneura var. major	blue	blue	green		
Acacia aneura var. microcarpa	blue	blue	green		
Acacia aneura var. tenuis	blue	blue	green		
Acacia aulacocarpa	blue	blue	green		
Acacia bakeri	blue	aqua	red-max		
Acacia beauverdiana	green	green	amber		
Acacia binervata	green	green	red		
Acacia bivenosa	blue	blue	blue		
Acacia blayana	red	red	red		
Acacia burkittii	green	green	green		
Acacia cambagei	blue	blue	aqua		
Acacia colei	blue	blue	blue		
Acacia complanata	aqua	aqua	amber-max		
Acacia coriacea	blue	blue	blue		
Acacia coriacea subsp. coriacea	blue	blue	blue		
Acacia coriacea subsp. pendens	blue	blue	blue		
Acacia coriacea subsp. sericophylla	blue	blue	blue		
Acacia cuthbertsonii	blue	blue	blue		
Acacia delibrata	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Acacia drummondii</i>	green	green	red		
<i>Acacia falcate</i>	green	green	amber		
<i>Acacia georginae</i>	blue	blue	blue		
<i>Acacia harpophylla</i>	aqua	aqua	green		
<i>Acacia holosericea</i>	blue	blue	blue		
<i>Acacia homalophylla</i>	green	green	green		
<i>Acacia maitlandii</i>	blue	blue	aqua		
<i>Acacia mucronata</i>	red	red	red		
<i>Acacia obtusifolia</i>	amber	amber	red		
<i>Acacia penninervis</i>	green	green	green		
<i>Acacia peuce</i>	blue	blue	blue		
<i>Acacia phlebophylla</i>	red	red	red		
<i>Acacia pruinocarpa</i>	blue	blue	aqua		
<i>Acacia riceana</i>	red	red	red		
<i>Acacia trachyphloia</i>	amber-max	amber	red		
<i>Acacia victoriae</i>	green	green	green		
<i>Acmena hemilampra</i>	blue	blue	blue		
<i>Acradenia euodiiformis</i>	green	green	amber		
<i>Acronychia acidula</i>	blue	blue	blue		
<i>Acronychia baeuerlenii</i>	aqua	green	green		
<i>Acronychia laevis</i>	blue	aqua	green		
<i>Acronychia littoralis</i>	blue	aqua	amber-max		
<i>Acronychia oblongifolia</i>	green	green	amber		
<i>Acronychia octandra</i>	blue	blue	blue		
<i>Acronychia pubescens</i>	green	green	amber-max		
<i>Acronychia suberosa</i>	blue	blue	blue		
<i>Acronychia wilcoxiana</i>	aqua	green	amber-max		
<i>Adansonia gregorii</i>	blue	blue	green		
<i>Alangium villosum</i> subsp. <i>polyosmoides</i>	green	green	green		
<i>Alchornea ilicifolia</i>	green	green	green		
<i>Allocasuarina crassa</i>	red	red	red		
<i>Allocasuarina decaisneana</i>	blue	blue	green		
<i>Allocasuarina decussata</i>	green	amber	red		
<i>Allocasuarina defungens</i>	blue	aqua	amber-max		
<i>Allocasuarina fraseriana</i>	green	green	amber		
<i>Allocasuarina inophloia</i>	green	green	green		
<i>Allocasuarina portuensis</i>	green	amber-max	amber-max	yes	
<i>Allocasuarina simulans</i>	blue	blue	blue		
<i>Alloxylon flammeum</i>	blue	aqua	amber-max		
<i>Alloxylon pinnatum</i>	green	amber-max	amber		
<i>Alloxylon wickhamii</i>	blue	blue	red-max		
<i>Alphitonia excelsa</i>	aqua	green	green		
<i>Alstonia constricta</i>	aqua	green	green		
<i>Angophora bakeri</i>	green	green	amber		
<i>Angophora crassifolia</i>	green	green	amber		
<i>Angophora leiocarpa</i>	green	green	amber-max		
<i>Angophora subvelutina</i>	green	green	amber		
<i>Angophora woodsiana</i>	aqua	green	amber-max		
<i>Anopterus glandulosus</i>	red	red	red		
<i>Anopterus macleayanus</i>	blue	blue	blue		
<i>Aphananthe philippinensis</i>	aqua	green	green		
<i>Archidendron hendersonii</i>	blue	blue	blue		
<i>Archidendron muellerianum</i>	blue	blue	blue		
<i>Archirhodomyrtus beckleri</i>	green	green	green		
<i>Argyrodendron trifoliolatum</i>	blue	aqua	green		
<i>Arytera distylis</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Arytera divaricata</i>	aqua	green	green		
<i>Atalaya multiflora</i>	aqua	aqua	green		
<i>Atherosperma moschatum</i> subsp. <i>integrifolium</i>	amber	red	red		
<i>Athertonia diversifolia</i>	blue	blue	amber-max		
<i>Athrotaxis cupressoides</i>	red	red	red		
<i>Athrotaxis selaginoides</i>	red	red	red		
<i>Atractocarpus benthamianus</i>	green	green	amber-max		
<i>Atractocarpus chartaceus</i>	aqua	aqua	amber-max		
<i>Atractocarpus fitzalanii</i>	blue	blue	aqua		
<i>Auranticarpa rhombifolia</i>	aqua	green	green		
<i>Austrobuxus swainii</i>	blue	blue	blue		
<i>Avicennia marina</i>	green	green	green		
<i>Backhousia sciadophora</i>	green	green	amber		
<i>Baloghia inophylla</i>	green	green	green		
<i>Baloghia marmorata</i>	blue	blue	blue		
<i>Banksia dentata</i>	blue	blue	blue		
<i>Banksia grandis</i>	green	green	amber		
<i>Banksia littoralis</i>	green	green	red		
<i>Banksia menziesii</i>	aqua	green	green		
<i>Banksia prionotes</i>	green	green	green		
<i>Banksia seminuda</i>	green	green	red		
<i>Banksia sessilis</i>	green	green	green		
<i>Banksia speciosa</i>	aqua	green	amber		
<i>Bedfordia arborescens</i>	red	red	red		
<i>Beilschmiedia elliptica</i>	amber-max	amber-max	red-max		
<i>Beilschmiedia obtusifolia</i>					
<i>Bleasdalea bleasdalei</i>	blue	blue	blue		
<i>Bosistoa floydii</i>	green	green	amber		
<i>Bosistoa pentacocca</i>	aqua	aqua	green		
<i>Bosistoa transversa</i>	aqua	green	amber-max		
<i>Brachychiton australis</i>	blue	blue	aqua		
<i>Brachychiton collinus</i>	blue	blue	blue		
<i>Brachychiton compactus</i>	blue	blue	blue		
<i>Brachychiton diversifolius</i>	blue	blue	aqua		
<i>Brachychiton garrawayae</i>	blue	blue	blue		
<i>Brachychiton gregorii</i>	blue	blue	green		
<i>Brachychiton megaphyllus</i>	blue	blue	blue		
<i>Brachychiton multicaulis</i>	blue	blue	blue		
<i>Brachychiton paradoxus</i>	blue	blue	blue		
<i>Brachychiton spectabilis</i>	blue	blue	blue		
<i>Bridelia exaltata</i>	aqua	amber-max	amber-max		
<i>Bruguiera parviflora</i>	blue	blue	blue		
<i>Caldcluvia paniculosa</i>	green	green	amber		
<i>Callistachys lanceolata</i>	green	green	red		
<i>Callitris baileyi</i>	green	green	amber-max		
<i>Callitris macleayana</i>	green	green	amber-max		
<i>Capparis arborea</i>	green	green	green		
<i>Cassia marksiana</i>	aqua	aqua	amber-max		
<i>Casuarina cristata</i>	aqua	green	green		
<i>Casuarina equisetifolia</i>	aqua	aqua	green		
<i>Casuarina pauper</i>	green	green	green		
<i>Celtis paniculata</i>	blue	aqua	green		
<i>Ceratopetalum apetalum</i>	green	green	amber		
<i>Ceriops tagal</i>	blue	blue	blue		
<i>Chrysophyllum roxburghii</i>	blue	blue	blue		
<i>Cinnamomum oliveri</i>	green	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Cinnamomum virens</i>	green	green	amber		
<i>Citronella moorei</i>	green	green	green		
<i>Citrus glauca</i>	aqua	green	green		
<i>Claoxylon australe</i>	green	green	amber		
<i>Clerodendrum floribundum</i>	blue	aqua	green		
<i>Clerodendrum tomentosum</i>	green	green	amber-max		
<i>Cordyline obtecta</i>	blue	blue	red	yes	
<i>Corymbia aparrerinja</i>	blue	blue	green		
<i>Corymbia dallachiana</i>	blue	blue	blue		
<i>Corymbia dolichocarpa</i>	aqua	aqua	green		
<i>Corymbia henryi</i>	aqua	green	green		
<i>Corymbia papuana</i>	blue	blue	blue		
<i>Corymbia tessellaris</i>	blue	blue	green		
<i>Corymbia variegata</i>	green	amber-max	amber-max		
<i>Corypha utan</i>	blue	blue	blue		
<i>Croton verreauxii</i>	green	green	amber		
<i>Cryptocarya bidwillii</i>	aqua	aqua	green		
<i>Cryptocarya erythroxylon</i>	green	green	amber		
<i>Cryptocarya floydii</i>	green	amber-max	red		
<i>Cryptocarya foetida</i>	blue	blue	blue		
<i>Cryptocarya foveolata</i>	green	green	red		
<i>Cryptocarya glaucescens</i>	green	green	amber		
<i>Cryptocarya laevigata</i>	blue	aqua	amber-max		
<i>Cryptocarya microneura</i>	green	green	amber		
<i>Cryptocarya nova-anglica</i>	green	amber	red		
<i>Cryptocarya obovata</i>	green	green	amber-max		
<i>Cryptocarya onoprienkoana</i>	blue	blue	green		
<i>Cryptocarya rigida</i>	green	green	amber		
<i>Cryptocarya triplinervis</i>	blue	aqua	green		
<i>Cryptocarya williwilliana</i>	blue	blue	blue		
<i>Cupaniopsis baileyana</i>	green	green	red		
<i>Cupaniopsis newmanii</i>	blue	blue	blue		
<i>Cupaniopsis wadsworthii</i>	blue	blue	aqua		
<i>Cyathea australis</i>	green	green	red		
<i>Cyathea cooperi</i>	green	green	green		
<i>Cyathodes glauca</i>	red	red	red		
<i>Cyclophyllum coprosmoides</i>	blue	aqua	green		
<i>Cyclophyllum longipetalum</i>	green	green	amber-max		
<i>Daphnandra apatela</i>	green	green	amber		
<i>Daphnandra johnsonii</i>	amber-max	amber-max	red		
<i>Daphnandra melasmena</i>	green	green	amber-max		
<i>Daphnandra micrantha</i>	green	green	amber		
<i>Daphnandra tenuipes</i>	blue	blue	blue		
<i>Davidsonia johnsonii</i>	aqua	aqua	amber-max		
<i>Decaspermum humile</i>	aqua	green	green		
<i>Dendrocnide excelsa</i>	green	green	amber		
<i>Dendrocnide photinophylla</i>	green	green	amber-max		
<i>Diospyros australis</i>	green	green	amber		
<i>Diospyros fasciculosa</i>	blue	blue	amber-max		
<i>Diospyros mabacea</i>	blue	blue	blue		
<i>Diospyros pentamera</i>	green	green	green		
<i>Diploglottis australis</i>	green	green	amber		
<i>Diploglottis campbellii</i>	aqua	amber-max	red-max		
<i>Doryphora sassafras</i>	green	green	red		
<i>Drypetes deplanchei</i>	aqua	aqua	green		
<i>Duboisia hopwoodii</i>	aqua	aqua	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Duboisia myoporoides</i>	green	green	green		
<i>Dysoxylum alliaceum</i>	blue	blue	blue		
<i>Dysoxylum arborescens</i>	blue	blue	blue		
<i>Dysoxylum fraserianum</i>	green	green	amber		
<i>Dysoxylum gaudichaudianum</i>	blue	blue	blue		
<i>Dysoxylum mollissimum</i>	aqua	aqua	amber-max		
<i>Dysoxylum mollissimum</i> subsp. <i>molle</i>	blue	aqua	green		
<i>Dysoxylum oppositifolium</i>	blue	blue	blue		
<i>Dysoxylum pachyphyllum</i>	aqua	green	amber-max		
<i>Dysoxylum parasiticum</i>	blue	blue	blue		
<i>Dysoxylum pettigrewianum</i>	blue	blue	blue		
<i>Dysoxylum rufum</i>	green	green	green		
<i>Ehretia saligna</i>	blue	blue	green		
<i>Eidothea hardeniana</i>	blue	blue	blue	yes	
<i>Eidothea zooxylocarya</i>	blue	blue	green		
<i>Elaeocarpus bancroftii</i>	blue	blue	blue		
<i>Elaeocarpus eumundi</i>	blue	blue	green		
<i>Elaeocarpus holopetalus</i>	red	red	red		
<i>Elaeocarpus kirtonii</i>	green	green	amber-max		
<i>Elaeocarpus sedentarius</i>	aqua	amber-max	amber-max		
<i>Elaeocarpus williamsianus</i>	blue	blue	blue		
<i>Elaeodendron australe</i>	green	green	amber-max		
<i>Elaeodendron melanocarpum</i>	blue	blue	blue		
<i>Elattostachys microcarpa</i>	blue	blue	blue		
<i>Elattostachys nervosa</i>	green	green	amber-max		
<i>Elattostachys xylocarpa</i>	aqua	aqua	green		
<i>Emmenosperma alphonoioides</i>	green	green	amber-max		
<i>Endiandra compressa</i>	blue	blue	blue		
<i>Endiandra discolor</i>	aqua	green	green		
<i>Endiandra floydii</i>	blue	blue	blue		
<i>Endiandra globosa</i>	blue	blue	blue		
<i>Endiandra hayesii</i>	blue	blue	blue		
<i>Endiandra introrsa</i>	aqua	green	green		
<i>Endiandra muelleri</i>	green	green	green		
<i>Endiandra muelleri</i> subsp. <i>bracteata</i>	blue	aqua	aqua		
<i>Endiandra pubens</i>	aqua	green	green		
<i>Endiandra sieberi</i>	green	green	amber-max		
<i>Endiandra virens</i>	amber-max	amber-max	red-max		
<i>Eremophila bignoniiflora</i>	blue	blue	green		
<i>Eremophila oppositifolia</i>	green	green	green		
<i>Eremophila youngii</i>	blue	blue	aqua		
<i>Erythrina vespertilio</i>	blue	blue	aqua		
<i>Erythrophleum chlorostachys</i>	blue	blue	blue		
<i>Erythroxylum australe</i>	blue	blue	aqua		
<i>Eucalyptus abdita</i>	green	green	green		
<i>Eucalyptus absita</i>	aqua	green	green	yes	
<i>Eucalyptus acaciiformis</i>	amber	red	red		
<i>Eucalyptus accedens</i>	green	green	green		
<i>Eucalyptus acies</i>	blue	blue	red		
<i>Eucalyptus aenea</i>	green	green	amber		
<i>Eucalyptus agglomerata</i>	green	amber	red		
<i>Eucalyptus aggregata</i>	red	red	red		
<i>Eucalyptus alba</i>	blue	blue	blue		
<i>Eucalyptus albida</i>	green	green	amber		
<i>Eucalyptus alligatrix</i>	red	red	red		
<i>Eucalyptus amplifolia</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus ancophila</i>	blue	blue	blue		
<i>Eucalyptus andrewsii</i>	amber	amber	red		
<i>Eucalyptus angularis</i>	aqua	green	green	yes	
<i>Eucalyptus angustissima</i>	aqua	green	amber		
<i>Eucalyptus annuliformis</i>	aqua	green	green	yes	
<i>Eucalyptus apodophylla</i>	blue	blue	blue		
<i>Eucalyptus apothalassica</i>	aqua	green	amber-max		
<i>Eucalyptus approximans</i>	blue	blue	red		
<i>Eucalyptus aquatica</i>	red	red	red		
<i>Eucalyptus aquilina</i>	aqua	green	amber		
<i>Eucalyptus arachnaea</i>	aqua	green	green		
<i>Eucalyptus arborella</i>	green	green	amber		
<i>Eucalyptus archeri</i>	red	red	red		
<i>Eucalyptus argillacea</i>	blue	blue	blue		
<i>Eucalyptus argutifolia</i>	aqua	green	green		
<i>Eucalyptus articulata</i>	aqua	green	green	yes	
<i>Eucalyptus aspersa</i>	green	green	red		
<i>Eucalyptus aspratilis</i>	aqua	green	amber		
<i>Eucalyptus baeuerlenii</i>	amber	amber	amber		
<i>Eucalyptus baileyana</i>	aqua	green	amber-max		
<i>Eucalyptus balanites</i>	green	green	green	yes	
<i>Eucalyptus balladoniensis</i>	aqua	green	amber		
<i>Eucalyptus banksii</i>	amber	amber	red		
<i>Eucalyptus baudiniana</i>	aqua	aqua	green		
<i>Eucalyptus beardiana</i>	blue	blue	green		
<i>Eucalyptus bensonii</i>	amber	red	red		
<i>Eucalyptus benthamii</i>	green	amber	red		
<i>Eucalyptus beyeriana</i>	green	green	amber		
<i>Eucalyptus bigalerita</i>	blue	blue	blue		
<i>Eucalyptus biturbinata</i>	green	green	red		
<i>Eucalyptus blaxellii</i>	aqua	aqua	green		
<i>Eucalyptus boliviiana</i>	amber	red	red	yes	
<i>Eucalyptus brachyandra</i>	green	green	green		
<i>Eucalyptus brachycalyx</i>	green	green	amber		
<i>Eucalyptus brachycorys</i>	aqua	green	green		
<i>Eucalyptus brevifolia</i>	blue	blue	blue		
<i>Eucalyptus brevipes</i>	aqua	green	green		
<i>Eucalyptus brevistylis</i>	blue	blue	red		
<i>Eucalyptus brockwayi</i>	green	green	amber		
<i>Eucalyptus burgessiana</i>	green	green	red		
<i>Eucalyptus burracoppinensis</i>	green	green	green		
<i>Eucalyptus cadens</i>	green	amber	red		
<i>Eucalyptus calcicola</i>	green	green	amber		
<i>Eucalyptus caleyi</i>	green	green	red		
<i>Eucalyptus caliginosa</i>	amber	red	red		
<i>Eucalyptus calycogona</i>	green	green	red		
<i>Eucalyptus calyerup</i>	green	green	red	yes	
<i>Eucalyptus cameronii</i>	amber	amber	red		
<i>Eucalyptus campanulata</i>	green	amber	red		
<i>Eucalyptus camphora</i>	red	red	red		
<i>Eucalyptus canaliculata</i>	green	green	amber		
<i>Eucalyptus cannonii</i>	red	red	red		
<i>Eucalyptus canobolensis</i>	red	red	red		
<i>Eucalyptus capillosa</i>	green	green	green		
<i>Eucalyptus capitellata</i>	green	green	amber-max		
<i>Eucalyptus castrensis</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus chloroclada</i>	green	green	green		
<i>Eucalyptus cloeziana</i>	blue	aqua	green		
<i>Eucalyptus conica</i>	green	green	amber		
<i>Eucalyptus conjuncta</i>	green	amber	red		
<i>Eucalyptus consideniana</i>	amber	amber	red		
<i>Eucalyptus conspicua</i>	amber	red	red		
<i>Eucalyptus coolabah</i>	blue	blue	green		
<i>Eucalyptus cooperiana</i>	aqua	green	amber		
<i>Eucalyptus copulans</i>	amber	red	red	yes	
<i>Eucalyptus cordata</i>	red	red	red		
<i>Eucalyptus corticosa</i>	amber	red	red		
<i>Eucalyptus crebra</i>	green	green	green		
<i>Eucalyptus cretata</i>	green	green	amber		
<i>Eucalyptus crispata</i>	aqua	aqua	green		
<i>Eucalyptus croajingolensis</i>	red	red	red		
<i>Eucalyptus curtisii</i>	aqua	aqua	green		
<i>Eucalyptus dalrympleana</i>	red	red	red		
<i>Eucalyptus dawsonii</i>	green	green	amber		
<i>Eucalyptus dealbata</i>	green	green	red		
<i>Eucalyptus deflexa</i>	aqua	green	amber		
<i>Eucalyptus dendromorpha</i>	amber	red	red		
<i>Eucalyptus denticulata</i>	red	red	red		
<i>Eucalyptus drummondii</i>	green	green	green		
<i>Eucalyptus dunnii</i>	aqua	green	amber		
<i>Eucalyptus dura</i>	aqua	green	green		
<i>Eucalyptus dwyeri</i>	green	green	amber		
<i>Eucalyptus ebbanoensis</i>	aqua	aqua	green		
<i>Eucalyptus effusa</i>	aqua	green	green		
<i>Eucalyptus elaeophloia</i>	red	red	red		
<i>Eucalyptus elliptica</i>	amber	red	red		
<i>Eucalyptus erectifolia</i>	blue	blue	red		
<i>Eucalyptus eremicola</i>	aqua	aqua	green		
<i>Eucalyptus eugenoides</i>	green	green	amber		
<i>Eucalyptus ewartiana</i>	blue	aqua	green		
<i>Eucalyptus exigua</i>	aqua	green	amber		
<i>Eucalyptus exilis</i>	green	green	green		
<i>Eucalyptus exserta</i>	green	green	green		
<i>Eucalyptus falcata</i>	green	green	amber		
<i>Eucalyptus famelica</i>	aqua	green	amber		
<i>Eucalyptus fasciculosa</i>	aqua	amber	red		
<i>Eucalyptus fastigata</i>	red	red	red		
<i>Eucalyptus fergusonii</i>	green	green	amber		
<i>Eucalyptus fitzgeraldii</i>	blue	blue	blue		
<i>Eucalyptus fracta</i>	green	green	amber		
<i>Eucalyptus fraseri</i>	aqua	green	amber		
<i>Eucalyptus fruticosa</i>	blue	blue	aqua		
<i>Eucalyptus fusiformis</i>	green	green	amber-max		
<i>Eucalyptus gamophylla</i>	blue	blue	aqua		
<i>Eucalyptus georgei</i>	aqua	green	amber		
<i>Eucalyptus gillenii</i>	aqua	aqua	green		
<i>Eucalyptus gillii</i>	green	green	green		
<i>Eucalyptus gittinsii</i>	aqua	aqua	green		
<i>Eucalyptus glaucina</i>	green	green	amber-max		
<i>Eucalyptus glomerosa</i>	blue	aqua	green		
<i>Eucalyptus gongylocarpa</i>	blue	aqua	green		
<i>Eucalyptus goniantha</i>	green	green	red		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus goniocarpa</i>	aqua	green	amber		
<i>Eucalyptus gracilis</i>	green	green	amber		
<i>Eucalyptus griffithsii</i>	aqua	green	green		
<i>Eucalyptus guilfoylei</i>	green	green	red		
<i>Eucalyptus gypsophila</i>	aqua	aqua	green		
<i>Eucalyptus hebetifolia</i>	green	green	red		
<i>Eucalyptus herbertiana</i>	blue	blue	blue		
<i>Eucalyptus histophylla</i>	aqua	green	amber		
<i>Eucalyptus houseana</i>	blue	green	green		
<i>Eucalyptus hypostomatica</i>	green	green	red		
<i>Eucalyptus ignorabilis</i>	red	red	red		
<i>Eucalyptus incerata</i>	aqua	green	amber		
<i>Eucalyptus incrassata</i>	green	green	red		
<i>Eucalyptus indurata</i>	aqua	green	amber		
<i>Eucalyptus insularis</i>	green	green	amber		
<i>Eucalyptus interstans</i>	green	green	amber-max		
<i>Eucalyptus intertexta</i>	aqua	green	green		
<i>Eucalyptus jacksonii</i>	blue	blue	red		
<i>Eucalyptus jensenii</i>	blue	blue	blue		
<i>Eucalyptus jimberlanica</i>	green	green	amber		
<i>Eucalyptus johnsoniana</i>	aqua	green	green		
<i>Eucalyptus johnstonii</i>	red	red	red		
<i>Eucalyptus jucunda</i>	blue	aqua	green		
<i>Eucalyptus jutsonii</i>	aqua	aqua	green		
<i>Eucalyptus kartzoffiana</i>	red	red	red		
<i>Eucalyptus kenneallyi</i>	blue	blue	blue	yes	
<i>Eucalyptus kesselii</i>	aqua	green	amber		
<i>Eucalyptus kingsmillii</i>	blue	blue	aqua		
<i>Eucalyptus kondininensis</i>	green	green	amber		
<i>Eucalyptus kumarlensis</i>	aqua	green	amber		
<i>Eucalyptus kybeanensis</i>	red	red	red		
<i>Eucalyptus lacrimans</i>	red	red	red		
<i>Eucalyptus laeliae</i>	green	green	amber		
<i>Eucalyptus laevis</i>	aqua	green	amber		
<i>Eucalyptus largeana</i>	green	green	amber		
<i>Eucalyptus latens</i>	green	green	red		
<i>Eucalyptus lateritia</i>	aqua	green	green		
<i>Eucalyptus leprophloia</i>	aqua	green	green	yes	
<i>Eucalyptus leptocalyx</i>	aqua	green	amber		
<i>Eucalyptus leptophylla</i>	green	green	red		
<i>Eucalyptus lesouefii</i>	aqua	green	green		
<i>Eucalyptus leucophloia</i>	blue	blue	blue		
<i>Eucalyptus leucophylla</i>	blue	blue	blue		
<i>Eucalyptus leucoxylon subsp. bellarinensis</i>	amber	red	red		
<i>Eucalyptus ligulata</i>	amber-max	amber-max	red		
<i>Eucalyptus ligustrina</i>	green	amber	red		
<i>Eucalyptus limitaris</i>	blue	blue	blue		
<i>Eucalyptus lirata</i>	blue	blue	blue		
<i>Eucalyptus litorea</i>	aqua	green	amber		
<i>Eucalyptus livida</i>	aqua	green	amber		
<i>Eucalyptus longicornis</i>	green	green	amber		
<i>Eucalyptus loxophleba</i>	green	green	green		
<i>Eucalyptus lucasii</i>	blue	blue	green		
<i>Eucalyptus lucens</i>	green	green	green		
<i>Eucalyptus luculenta</i>	aqua	amber-max	red-max		
<i>Eucalyptus luteola</i>	aqua	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus magnifica</i>	amber	red	red		
<i>Eucalyptus major</i>	aqua	aqua	amber-max		
<i>Eucalyptus malacoxylon</i>	amber	red	red		
<i>Eucalyptus mannensis</i>	blue	blue	green		
<i>Eucalyptus marginata</i>	green	green	red		
<i>Eucalyptus mckieana</i>	amber	amber	red		
<i>Eucalyptus medialis</i>	blue	blue	red		
<i>Eucalyptus megacarpa</i>	green	green	red		
<i>Eucalyptus melanophitra</i>	amber-max	amber-max	red		
<i>Eucalyptus melanophloia</i>	green	green	green		
<i>Eucalyptus melanoxyロン</i>	aqua	green	amber		
<i>Eucalyptus merrickiae</i>	aqua	green	amber		
<i>Eucalyptus micranthera</i>	aqua	green	amber		
<i>Eucalyptus microschema</i>	aqua	green	amber		
<i>Eucalyptus mimica</i>	aqua	green	amber		
<i>Eucalyptus miniata</i>	blue	blue	blue		
<i>Eucalyptus mooreana</i>	blue	blue	blue		
<i>Eucalyptus morrisii</i>	aqua	green	green		
<i>Eucalyptus myriadena</i>	green	green	amber		
<i>Eucalyptus nandewarica</i>	green	green	amber		
<i>Eucalyptus neutra</i>	green	green	amber		
<i>Eucalyptus nigrifunda</i>	aqua	aqua	green		
<i>Eucalyptus nitens</i>	red	red	red		
<i>Eucalyptus nitida</i>	red	red	red		
<i>Eucalyptus nobilis</i>	amber	red	red		
<i>Eucalyptus nova-anglica</i>	red	red	red		
<i>Eucalyptus obconica</i>	blue	blue	blue		
<i>Eucalyptus obesa</i>	aqua	green	amber		
<i>Eucalyptus obstans</i>	green	green	amber-max		
<i>Eucalyptus obtusiflora</i>	blue	aqua	green		
<i>Eucalyptus odontocarpa</i>	blue	blue	blue		
<i>Eucalyptus oldfieldii</i>	blue	aqua	green		
<i>Eucalyptus olida</i>	red-max	red-max	red		
<i>Eucalyptus oligantha</i>	blue	blue	blue		
<i>Eucalyptus olivina</i>	green	green	amber		
<i>Eucalyptus Olsenii</i>	amber	amber	red		
<i>Eucalyptus ophitica</i>	aqua	green	amber-max		
<i>Eucalyptus optima</i>	aqua	green	amber		
<i>Eucalyptus oraria</i>	blue	aqua	green		
<i>Eucalyptus ordiana</i>	blue	blue	blue		
<i>Eucalyptus oreades</i>	green	green	red		
<i>Eucalyptus ornata</i>	green	green	amber		
<i>Eucalyptus ovularis</i>	aqua	green	amber		
<i>Eucalyptus oxymitra</i>	blue	blue	green		
<i>Eucalyptus pachycalyx</i>	blue	aqua	red-max		
<i>Eucalyptus pachyloma</i>	green	green	red		
<i>Eucalyptus pachyphylla</i>	blue	blue	blue		
<i>Eucalyptus paliformis</i>	red	red	red		
<i>Eucalyptus panda</i>	aqua	green	amber-max		
<i>Eucalyptus pantoleuca</i>	blue	blue	blue		
<i>Eucalyptus parramattensis</i>	green	green	amber-max		
<i>Eucalyptus parvula</i>	red	red	red		
<i>Eucalyptus patens</i>	green	green	red		
<i>Eucalyptus pellita</i>	blue	blue	aqua		
<i>Eucalyptus pendens</i>	aqua	green	green		
<i>Eucalyptus perangusta</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus petraea</i>	aqua	green	green		
<i>Eucalyptus petrensis</i>	aqua	green	green		
<i>Eucalyptus phaenophylla</i>	green	green	red		
<i>Eucalyptus phenax</i>	green	green	amber		
<i>Eucalyptus phoenicea</i>	blue	blue	blue		
<i>Eucalyptus phylacis</i>	green	green	amber	yes	
<i>Eucalyptus pilbarensis</i>	blue	blue	blue		
<i>Eucalyptus pileata</i>	green	green	amber		
<i>Eucalyptus pilularis</i>	green	green	amber		
<i>Eucalyptus pimpiniana</i>	aqua	amber-max	red-max		
<i>Eucalyptus piperita</i>	green	green	red		
<i>Eucalyptus placita</i>	green	green	amber		
<i>Eucalyptus planchoniana</i>	aqua	green	amber-max		
<i>Eucalyptus planipes</i>	aqua	green	green		
<i>Eucalyptus platycorys</i>	aqua	green	amber		
<i>Eucalyptus pleurocarpa</i>	green	green	amber		
<i>Eucalyptus pluricaulis</i>	green	green	amber		
<i>Eucalyptus polita</i>	green	green	amber		
<i>Eucalyptus praecox</i>	red	red	red		
<i>Eucalyptus praetermissa</i>	amber-max	amber-max	red	yes	
<i>Eucalyptus prolixia</i>	aqua	green	amber		
<i>Eucalyptus prominens</i>	blue	blue	blue		
<i>Eucalyptus protensa</i>	aqua	green	amber		
<i>Eucalyptus pruiniramis</i>	aqua	green	green		
<i>Eucalyptus pruinosa</i>	blue	blue	blue		
<i>Eucalyptus psammitica</i>	aqua	amber-max	red-max		
<i>Eucalyptus pterocarpa</i>	green	green	amber		
<i>Eucalyptus pyriformis</i>	aqua	green	green		
<i>Eucalyptus pyrocarpa</i>	green	green	amber-max		
<i>Eucalyptus quadrangulata</i>	green	green	red		
<i>Eucalyptus quadrans</i>	aqua	green	amber		
<i>Eucalyptus quaerenda</i>	aqua	green	red		
<i>Eucalyptus quinniorum</i>	amber	amber	red		
<i>Eucalyptus rameliana</i>	blue	blue	blue		
<i>Eucalyptus ravida</i>	green	green	green		
<i>Eucalyptus recta</i>	aqua	green	green		
<i>Eucalyptus regnans</i>	red	red	red		
<i>Eucalyptus relicta</i>	green	green	red	yes	
<i>Eucalyptus repullulans</i>	blue	blue	blue		
<i>Eucalyptus retinens</i>	amber	red	red		
<i>Eucalyptus rhodantha</i>	aqua	green	green		
<i>Eucalyptus rigens</i>	aqua	green	amber		
<i>Eucalyptus rigidula</i>	green	green	green		
<i>Eucalyptus rosacea</i>	aqua	green	green		
<i>Eucalyptus roycei</i>	aqua	aqua	aqua		
<i>Eucalyptus rudderi</i>	green	green	amber-max		
<i>Eucalyptus rummeryi</i>	amber-max	amber-max	red-max		
<i>Eucalyptus rupestris</i>	blue	blue	blue		
<i>Eucalyptus salicola</i>	green	green	green		
<i>Eucalyptus saxatilis</i>	red	red	red		
<i>Eucalyptus scias subsp. apoda</i>	aqua	green	amber		
<i>Eucalyptus scyphocalyx</i>	aqua	green	amber		
<i>Eucalyptus seeana</i>	aqua	green	amber-max		
<i>Eucalyptus selachiana</i>	blue	blue	aqua		
<i>Eucalyptus semota</i>	blue	blue	red-max		
<i>Eucalyptus sepulcralis</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus sessilis</i>	blue	blue	red-max		
<i>Eucalyptus sheathiana</i>	green	green	amber		
<i>Eucalyptus singularis</i>	aqua	green	red		
<i>Eucalyptus smithii</i>	amber	red	red		
<i>Eucalyptus socialis</i>	green	green	amber		
<i>Eucalyptus sparsa</i>	blue	aqua	green		
<i>Eucalyptus sporadica</i>	green	green	amber		
<i>Eucalyptus spreta</i>	aqua	green	amber		
<i>Eucalyptus squamosa</i>	green	green	amber		
<i>Eucalyptus staigeriana</i>	blue	blue	blue		
<i>Eucalyptus stenostoma</i>	red	red	red		
<i>Eucalyptus stowardii</i>	aqua	green	green		
<i>Eucalyptus striatocalyx</i>	blue	blue	green		
<i>Eucalyptus sturgissiana</i>	amber-max	amber-max	red		
<i>Eucalyptus subangusta</i>	green	green	green		
<i>Eucalyptus subcrenulata</i>	red	red	red		
<i>Eucalyptus suberea</i>	aqua	green	green		
<i>Eucalyptus sublucida</i>	blue	blue	aqua		
<i>Eucalyptus subtilis</i>	green	green	amber		
<i>Eucalyptus suggrandis</i>	aqua	green	amber		
<i>Eucalyptus surgens</i>	aqua	amber-max	red-max	yes	
<i>Eucalyptus synandra</i>	aqua	aqua	green		
<i>Eucalyptus tectifica</i>	blue	blue	blue		
<i>Eucalyptus tenella</i>	amber	amber	red		
<i>Eucalyptus tenera</i>	green	green	amber		
<i>Eucalyptus tenuiramis</i>	red	red	red		
<i>Eucalyptus tenuis</i>	aqua	green	amber		
<i>Eucalyptus tephroclada</i>	green	green	amber		
<i>Eucalyptus tetrapleura</i>	aqua	green	green		
<i>Eucalyptus tetrodonta</i>	blue	blue	blue		
<i>Eucalyptus thamnoides</i>	green	green	red		
<i>Eucalyptus thozetiana</i>	blue	blue	green		
<i>Eucalyptus todiana</i>	aqua	green	green		
<i>Eucalyptus tortilis</i>	aqua	green	amber		
<i>Eucalyptus transcontinentalis</i>	aqua	green	green		
<i>Eucalyptus triflora</i>	amber	red	red		
<i>Eucalyptus trivalva</i>	blue	blue	green		
<i>Eucalyptus tumida</i>	aqua	green	amber		
<i>Eucalyptus ultima</i>	blue	blue	blue		
<i>Eucalyptus umbra</i>	green	green	amber-max		
<i>Eucalyptus uncinata</i>	green	green	amber		
<i>Eucalyptus urna</i>	aqua	green	amber		
<i>Eucalyptus utilis</i>	green	green	amber		
<i>Eucalyptus valens</i>	aqua	green	amber		
<i>Eucalyptus varia</i>	aqua	green	green		
<i>Eucalyptus vernicosa</i>	red	red	red		
<i>Eucalyptus vesiculosa</i>	amber-max	amber-max	red		
<i>Eucalyptus vicina</i>	green	green	green		
<i>Eucalyptus viminalis</i>	blue	blue	blue		
<i>Eucalyptus virginea</i>	green	green	red	yes	
<i>Eucalyptus volcanica</i>	green	green	red		
<i>Eucalyptus walshii</i>	amber	amber	red	yes	
<i>Eucalyptus websteriana</i>	aqua	green	green		
<i>Eucalyptus wilcoxii</i>	amber	amber	red		
<i>Eucalyptus williamsiana</i>	amber	amber	red		
<i>Eucalyptus wubinensis</i>	aqua	green	green		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Eucalyptus xanthonema</i>	green	green	red		
<i>Eucalyptus xerothermica</i>	blue	blue	blue		
<i>Eucalyptus yalatensis</i>	green	green	amber		
<i>Eucalyptus yilgarnensis</i>	green	green	green		
<i>Eucalyptus youmanii</i>	amber	red	red		
<i>Eucryphia jinksii</i>	blue	blue	blue	yes	
<i>Eucryphia milliganii</i>	red	red	red		
<i>Eucryphia moorei</i>	amber	red	red		
<i>Eucryphia wilkiei</i>	aqua	aqua	red-max	yes	
<i>Eupomatia laurina</i>	green	green	amber-max		
<i>Euroschinus falcatus</i>	green	green	green		
<i>Excoecaria dallachiana</i>	aqua	aqua	amber-max		
<i>Ficus atricha</i>	blue	blue	blue		
<i>Ficus brachypoda</i>	blue	blue	blue		
<i>Ficus coronulata</i>	blue	blue	blue		
<i>Ficus crassipes</i>	blue	blue	green		
<i>Ficus destruens</i>	blue	blue	blue		
<i>Ficus fraseri</i>	aqua	aqua	green		
<i>Ficus lilliputiana</i>	blue	blue	blue		
<i>Ficus macrophylla</i> f. <i>columnaris</i>	blue	blue	blue		
<i>Ficus opposita</i>	blue	blue	blue		
<i>Ficus pantonian</i>	blue	blue	blue		
<i>Ficus pleurocarpa</i>	blue	blue	blue		
<i>Ficus scobina</i>	blue	blue	blue		
<i>Ficus subpuberula</i>	blue	blue	blue		
<i>Ficus superba</i> var. <i>henneana</i>	green	green	green		
<i>Ficus triradiata</i>	blue	blue	aqua		
<i>Ficus virens</i> var. <i>sub lanceolata</i>	aqua	aqua	green		
<i>Ficus watkinsiana</i>	aqua	green	green		
<i>Flindersia bennettii</i>	aqua	aqua	amber-max		
<i>Flindersia brayleyana</i>	blue	blue	green		
<i>Flindersia collina</i>	aqua	green	green		
<i>Flindersia maculosa</i>	aqua	aqua	green		
<i>Flindersia schottiana</i>	aqua	aqua	red-max		
<i>Flindersia xanthoxyla</i>	aqua	green	amber-max		
<i>Fontainea australis</i>	blue	blue	blue		
<i>Fontainea oraria</i>	blue	blue	blue	yes	
<i>Fontainea rostrata</i>	blue	blue	blue		
<i>Galbulimima baccata</i>	blue	blue	green		
<i>Ganophyllum falcatum</i>	blue	blue	blue		
<i>Gmelina fasciculiflora</i>	blue	blue	blue		
<i>Gmelina leichhardtii</i>	green	green	green		
<i>Gossia acmenoides</i>	green	green	amber-max		
<i>Gossia bidwillii</i>	aqua	green	green		
<i>Gossia fragrantissima</i>	blue	blue	blue		
<i>Grevillea glossadenia</i>	blue	blue	blue		
<i>Grevillea striata</i>	blue	blue	green		
<i>Guioa acutifolia</i>	blue	blue	aqua		
<i>Guioa semiglauc</i> a	green	green	amber-max		
<i>Hedycarya angustifolia</i>	green	amber	red		
<i>Helicia glabriflora</i>	green	green	green		
<i>Hibiscus heterophyllus</i>	aqua	green	green		
<i>Hibiscus splendens</i>	aqua	green	green		
<i>Hicksbeachia pilosa</i>	blue	blue	blue		
<i>Hicksbeachia pinnatifolia</i>	blue	blue	blue		
<i>Homalanthus populifolius</i>	green	green	amber		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Intsia bijuga</i>	blue	blue	blue		
<i>Jagera pseudorhus</i>	aqua	aqua	green		
<i>Karrabina benthamiana</i>	green	green	amber-max		
<i>Karrabina biagiana</i>	blue	blue	blue		
<i>Kopsia arborea</i>	blue	blue	blue		
<i>Leptospermum polygalifolium</i> subsp. <i>montanum</i>	green	green	red		
<i>Licuala ramsayi</i>	blue	blue	blue		
<i>Litsea bindoniana</i>	blue	blue	blue		
<i>Litsea leefeana</i>	blue	blue	green		
<i>Litsea reticulata</i>	green	green	amber		
<i>Livistona humilis</i>	blue	blue	blue		
<i>Lomatia arborescens</i>	green	green	red		
<i>Macropiper excelsum</i>	red-max	red-max	red		
<i>Mallotus claoxyloides</i>	blue	aqua	amber-max		
<i>Mallotus discolor</i>	aqua	aqua	amber-max		
<i>Mallotus philippensis</i>	green	green	green		
<i>Maniltoa lenticellata</i>	blue	blue	blue		
<i>Maytenus disperma</i>	blue	blue	green		
<i>Maytenus silvestris</i>	green	green	amber		
<i>Medicosma cunninghamii</i>	blue	aqua	amber-max		
<i>Melaleuca clarksonii</i>	blue	blue	blue		
<i>Melaleuca cuticularis</i>	green	green	amber		
<i>Melaleuca decora</i>	green	green	amber		
<i>Melaleuca dissitiflora</i>	blue	aqua	green		
<i>Melaleuca preissiana</i>	green	green	amber		
<i>Melaleuca trichostachya</i>	blue	blue	aqua		
<i>Melicope bonwickii</i>	blue	blue	blue		
<i>Melicope elleryana</i>	blue	blue	blue		
<i>Melicope micrococca</i>	green	green	amber		
<i>Meryta latifolia</i>	blue	blue	blue	yes	
<i>Mischocarpus pyriformis</i>	aqua	aqua	amber-max		
<i>Monotoca elliptica</i>	green	green	amber		
<i>Monotoca scoparia</i>	green	green	amber		
<i>Myoporum acuminatum</i>	green	green	green		
<i>Myoporum montanum</i>	green	green	green		
<i>Neolitsea australiensis</i>	green	green	amber-max		
<i>Nestegis apetala</i>	red-max	red-max	red	yes	
<i>Niemeyera whitei</i>	green	green	amber-max		
<i>Notelaea ligustrina</i>	red	red	red		
<i>Notelaea longifolia</i>	green	green	amber		
<i>Notelaea microcarpa</i>	green	green	amber		
<i>Notelaea venosa</i>	green	amber	red		
<i>Nypa fruticans</i>	blue	blue	blue		
<i>Ochrosia moorei</i>	blue	blue	blue		
<i>Orites excelsus</i>	green	green	amber		
<i>Owenia acidula</i>	blue	blue	green		
<i>Owenia cepiodora</i>	blue	blue	blue		
<i>Pandanus spiralis</i>	blue	blue	blue		
<i>Pararhizidron pruinoseum</i>	green	green	amber-max		
<i>Pennantia cunninghamii</i>	green	green	amber		
<i>Pentaceras australis</i>	aqua	aqua	green	yes	
<i>Persoonia longifolia</i>	green	green	red		
<i>Petalostigma triloculare</i>	blue	aqua	green		
<i>Phyllocladus aspleniifolius</i>	red	red	red		
<i>Pisonia brunonianiana</i>	amber-max	amber-max	red-max		
<i>Pittosporum erioloma</i>	aqua	amber-max	red-max		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Pittosporum spinescens</i>	blue	aqua	green		
<i>Planchonella queenslandica</i>	blue	blue	blue		
<i>Pleiogynium timoriense</i>	blue	blue	blue		
<i>Podocarpus lawrencei</i>	red	red	red		
<i>Polyosma cunninghamii</i>	green	green	red		
<i>Polyscias elegans</i>	green	green	green		
<i>Polyscias murrayi</i>	green	green	green		
<i>Polyscias sambucifolia</i>	green	green	amber		
<i>Pouteria cotinifolia</i>	aqua	aqua	amber-max		
<i>Pouteria myrsinoides</i>	blue	blue	green		
<i>Pouteria obovata</i>	blue	blue	blue		
<i>Prostanthera lasianthos</i>	amber	red	red		
<i>Pseudoweinmannia lachnocarpa</i>	blue	blue	blue		
<i>Psychotria loniceroides</i>	green	green	amber-max		
<i>Pullea stutzeri</i>	blue	blue	green		
<i>Quintinia sieberi</i>	green	green	red		
<i>Rapanea variabilis</i>	green	green	amber-max		
<i>Rhizophora stylosa</i>	blue	blue	blue		
<i>Rhodamnia argentea</i>	green	green	amber-max		
<i>Rhodamnia rubescens</i>	green	green	amber		
<i>Rhodosphaera rhodanthema</i>	green	green	amber-max		
<i>Santalum acuminatum</i>	green	green	green		
<i>Santalum lanceolatum</i>	aqua	aqua	green		
<i>Santalum spicatum</i>	green	green	green		
<i>Sarcomelicope simplicifolia</i>	green	green	green		
<i>Sarcopteryx montana</i>	blue	blue	blue		
<i>Sarcopteryx stipata</i>	green	green	amber		
<i>Schizomeria ovata</i>	green	green	amber		
<i>Scolopia braunii</i>	green	green	green		
<i>Seringia arborescens</i>	green	green	amber-max		
<i>Sloanea australis</i>	green	green	amber-max		
<i>Sloanea woollsii</i>	green	green	amber		
<i>Sonneratia alba</i>	blue	blue	blue		
<i>Sonneratia ovata</i>	blue	blue	blue	yes	
<i>Stenocarpus salignus</i>	green	green	amber		
<i>Sterculia quadrifida</i>	blue	blue	aqua		
<i>Streblus pendulinus</i>	aqua	green	green		
<i>Symplocos stawellii</i>	aqua	green	green		
<i>Symplocos thwaitesii</i>	green	green	amber-max		
<i>Syncarpia hillii</i>	blue	blue	blue		
<i>Syzygium alliiligneum</i>	blue	blue	blue		
<i>Syzygium anisatum</i>	green	amber-max	amber-max		
<i>Syzygium cormiflorum</i>	blue	blue	blue		
<i>Syzygium corynanthum</i>	blue	blue	blue		
<i>Syzygium crebrinerve</i>	aqua	amber-max	red-max		
<i>Syzygium eucalyptoides</i>	blue	blue	blue		
<i>Syzygium francisii</i>	aqua	green	amber-max		
<i>Syzygium fullagarii</i>	blue	blue	blue		
<i>Syzygium hodgkinsoniae</i>	blue	blue	blue		
<i>Syzygium moorei</i>	aqua	aqua	red-max		
<i>Syzygium oleosum</i>	aqua	green	green		
<i>Syzygium papyraceum</i>	blue	blue	blue		
<i>Syzygium pseudofastigiatum</i>	blue	blue	blue		
<i>Syzygium xerampelinum</i>	blue	blue	blue		
<i>Terminalia carpentariae</i>	blue	blue	blue		
<i>Terminalia ferdinandiana</i>	blue	blue	blue		

taxa	status-current	status-moderate	status-extreme	limited data	synonym
<i>Terminalia littoralis</i>	blue	blue	blue	yes	
<i>Terminalia petiolaris</i>	blue	blue	blue		
<i>Toechima daemelianum</i>	blue	blue	blue		
<i>Trema tomentosa</i> var. <i>viridis</i>	green	green	green		
<i>Triflorensia cameronii</i>	aqua	green	amber-max		
<i>Tristaniopsis collina</i>	green	green	red		
<i>Trochocarpa laurina</i>	green	green	amber		
<i>Trochocarpa montana</i>	red	red	red		
<i>Uromyrtus australis</i>	aqua	amber-max	amber-max		
<i>Uromyrtus lamingtonensis</i>	blue	blue	blue		
<i>Ventilago viminalis</i>	blue	blue	green		
<i>Vesselowskya rubifolia</i>	amber	amber	red		
<i>Vesselowskya venusta</i>	green	green	red		
<i>Vitex lignum-vitae</i>	blue	aqua	amber-max		
<i>Wilkiea huegeliana</i>	green	green	amber		
<i>Xylocarpus moluccensis</i>	blue	blue	blue		
<i>Xylomelum angustifolium</i>	green	green	green		
<i>Xylomelum benthamii</i>	blue	blue	blue		
<i>Xylomelum cunninghamianum</i>	aqua	green	amber-max		
<i>Xylomelum occidentale</i>	green	green	amber		
<i>Xylomelum pyriforme</i>	green	green	amber		
<i>Xylomelum scottianum</i>	blue	blue	blue		
<i>Xylosma terrae-reginae</i>	blue	aqua	amber-max		
<i>Zanthoxylum brachyacanthum</i>	aqua	green	green		
<i>Zieria arborescens</i>	green	amber	red		

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