Birds Tree Consultancy

 $Consulting \ Arborist \ AQF5 \bullet Expert \ Witness \bullet Environmental \ Arboriculture \bullet Resistograph \ Testing$



ARBORICULTURAL DEVELOPMENT IMPACT ASSESSMENT REPORT

Liverpool Boys and Girls High School Upgrade Project 18 Forbes St, Liverpool NSW REVISION E

2nd April 2025

Prepared for Colliers

Prepared by

Birds Tree Consultancy

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Executive Summary

This Arboricultural Development Impact Assessment Report has been commissioned by on behalf the NSW Department of Education (the Applicant) to report on trees within the site of the proposed Liverpool Boys and Girls High School, 18 Forbes St, Liverpool NSW. It has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention within the scope of the proposed development. The scope of this report includes all trees within the site that are potentially impacted by the development.

This report accompanies a Review of Environment Factors that seeks approval for redeveloping the Liverpool Boys and Liverpool Girls High Schools into a single coeducational school, including:

Demolition;

- Construction and operation of a six-storey school building, including school hall and gymnasium;
- Associated parking and building services;
- Tree removal;
- Associated landscaping and play spaces;
- Augmentation of service infrastructure; and
- Associated off-site infrastructure works to support the school, including (but not limited to) services, kiss and drop point and pedestrian crossings.

Refer to the Review of Environmental Factors prepared by Ethos Urban for a full description of works.

The subject Trees are preserved under Section 2 of Liverpool Development Control Plan 2008.

There were 110 trees assessed. There are 34 Trees with high retention value, 75 with medium retention value and 1 trees with low retention value. Tree retention values for trees to be retained or removed for all trees within this report are summarised as follows:

Category	High	Medium	Low	Total
Overall	34	75	1	110
Trees Retained	12	42	1	55
Trees Removed	22	33	0	55

Trees 42, 43, and 160 have evidence of decay or other structural defect within the trunk which places these trees at increased risk of failure. If these trees are proposed for retention, we recommend an ISA (TRAQ) Level 3 Risk Assessment be conducted including internal diagnostic testing to determine the viability of these trees to be retained.

The Tree protection Zone (TPZ) of Trees 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 51, 53, 54, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 74, 76, 78, 85, 86, 87, 88, 89, 90, 91 and 165 are encroached by the proposed construction, landscape, stormwater and required earthworks by a total or major encroachment as defined by AS4970-2009 Protection of Trees on Development Sites. These trees will not be viable to be retained and will require removal due to the proposed development.

In order for Trees 22, 23, 24, and 25 to be viable to be retained, the following design modifications would be required.

- 1. Stormwater to diverted outside of the TPZ or the encroachment including all excavation reduced to less than 10% of the TPZ.
- 2. Excavation for proposed ramp and paving to not encroach the TPZ by more than 10%.
- 3. Paving (including subgrades) to be permeable within TPZ.

In order for Trees 51, 53, 54 and 56 to be viable to be retained, the following design modifications would be required.

- 1. Stormwater to diverted outside of the TPZ or the encroachment including all excavation reduced to less than 10% of the TPZ.
- 2. Excavation for proposed paving and slab downturn to not encroach the TPZ by more than 10%.
- 3. All subsoil drainage to be installed using nondestructive excavation methods including Air Spade, manual excavation or vacuum truck operating at less than 1000Psi under the direction and supervision of the Project Arborist with no damage to structural roots (greater than 20mm diameter).

All excavation within the TPZ of the retained subject trees is required to be conducted by non-destructive methods such as Air Spade or vacuum truck operating at less than 1000Psi under the direct supervision of the Project Arborist. No structural roots great er than 20mm are to be damaged.

All other trees are viable to be retained and are to be protected as defined below.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments	Retention Value
21.	Melaleuca	Remove	Not viable to be	High
	quinquenervia	Remove	retained due to	

			proposed	
			development.	
			Not viable to be	High
		_	retained due to	7 11811
22.		Remove	proposed	
	Corymbia maculata		development.	
			Not viable to be	High
22		D	retained due to	
23.		Remove	proposed	
	Corymbia maculata		development.	
	Corymbia maculata		Not viable to be	High
24.		Remove	retained due to	
24.		Remove	proposed	
			development.	
	Lophostemon		Not viable to be	High
25.	confertus	Remove	retained due to	
-			proposed	
			development.	
	Lophostemon		Not viable to be	High
26.	confertus	Remove	retained due to	
			proposed	
	Schinus areira		development. Not viable to be	High
	Scriiius areira		retained due to	півіі
27.		Remove	proposed	
			development.	
	Jacaranda		Not viable to be	Medium
	mimosifolia		retained due to	ricalam
28.	IIIIIIOSIIOlia	Remove	proposed	
			development.	
	Jacaranda		Not viable to be	Medium
20	mimosifolia	Domovo	retained due to	
29.		Remove	proposed	
			development.	
	Melia azedarach		Not viable to be	Medium
30.		Remove	retained due to	
55.		. (3)11070	proposed	
			development.	
	Jacaranda		Not viable to be	Medium
31.	mimosifolia	Remove	retained due to	
			proposed	
	I industrial and the P		development. Not viable to be	Madisses
	Livistona australis		retained due to	Medium
32.		Remove		
			proposed development.	
	Cupressus		Not viable to be	Medium
	_		retained due to	Picululli
33.	sempervirens	Remove	proposed	
			development.	
	Cupressus		Not viable to be	Medium
34.	sempervirens	Remove	retained due to	,
	sempervirens		rotalilod dde to	

			proposed	
			development.	
35.	Robinia pseudoacacia	Remove	Not viable to be retained due to proposed development.	Medium
36.	Platanus x acerifolia	Remove	Not viable to be retained due to proposed development.	Medium
37.	Platanus x acerifolia	Remove	Not viable to be retained due to proposed development.	Medium
38.	Platanus x acerifolia	Remove	Not viable to be retained due to proposed development.	Medium
39.	Platanus x acerifolia	Remove	Not viable to be retained due to proposed development.	Medium
40.	Platanus x acerifolia	Remove	Not viable to be retained due to proposed development.	Medium
41.	Corymbia citriodora	Remove	Not viable to be retained due to proposed development.	High
42.	Eucalyptus sideroxylon	Remove	Not viable to be retained due to proposed development.	High
43.	Corymbia citriodora	Remove	Not viable to be retained due to proposed development.	High
44.	Eucalyptus sideroxylon	Remove	Not viable to be retained due to proposed development.	High
45.	Corymbia citriodora	Remove	Not viable to be retained due to proposed development.	High
46.	Melia azedarach	Remove	Not viable to be retained due to proposed development.	Medium
47.	Corymbia citriodora	Remove	Not viable to be retained due to	High

			proposed	
			development.	
	Eucalyptus saligna		Viable to be	High
48.		Retain	retained and	
			protected.	
40	Eucalyptus	Distrib	Viable to be	Medium
49.	microcorys	Retain	retained and	
	I ambaataman		viable to be	Medium
50.	Lophostemon	Retain	retained and	мешитт
50.	confertus	Netalli	protected.	
	Eucalyptus saligna		Not viable to be	High
	Lucatypius saugna		retained due to	I light
51.		Remove	proposed	
			development.	
	Eucalyptus saligna		Viable to be	High
52.	, , , , , , , , , , , , , , , , , , , ,	Retain	retained and	
			protected.	
	Melaleuca		Not viable to be	Medium
53.	quinquenervia	Remove	retained due to	
55.		Remove	proposed	
			development.	
	Melaleuca		Not viable to be	Medium
54.	quinquenervia	Remove	retained due to	
			proposed	
			development.	
	Callistemon viminalis	Distrib	Viable to be	Medium
55.		Retain	retained and	
	Fugalintus soliens		Protected. Not viable to be	High
	Eucalyptus saligna		retained due to	High
56.		Remove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
	Labatyptab battgria	_	retained due to	7 11811
57.		Remove	proposed	
			development.	
	Eucalyptus crebra		Not viable to be	High
58.		Remove	retained due to	
56.		Remove	proposed	
			development.	
	Eucalyptus scoparia		Not viable to be	Medium
59.		Remove	retained due to	
			proposed	
	M-I-I		development.	A41'
	Melaleuca		Not viable to be	Medium
		Remove	retained due to	
60.	quinquenervia	Remove	proposed	
60.	quinquenervia	Remove	proposed	
60.		Remove	development.	Modium
	quinquenervia Hibiscus spp	Remove	development. Not viable to be	Medium
61.		Remove	development.	Medium

	Callistemon viminalis		Not viable to be	Medium
	Cattisterrion virtiliatis		retained due to	Piedidiff
62.		Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
	Cattisterrion virninatis		retained due to	Mediaiii
63.		Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
	Cattisteriion viininatis		retained due to	Mediairi
64.		Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
	Cattisterrion virtiliatis		retained due to	Mediairi
65.		Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
	Cattisterrion virillians		retained due to	i i cuiuiii
66.		Remove	proposed	
			development.	
	Melaleuca		Not viable to be	Medium
			retained due to	Piedidiff
67.	quinquenervia	Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
	Cattisterrion virilinatis		retained due to	Piedidiff
68.		Remove	proposed	
			development.	
	Grevillea robusta		Not viable to be	Medium
	Grevilled robusta		retained due to	riculani
70.		Remove	proposed	
			development.	
	Schinus areira		Not viable to be	Medium
	ocimias arcira		retained due to	ricalani
71.		Remove	proposed	
			development.	
	Ceratopetalum		Not viable to be	Medium
	·		retained due to	7.100.0111
74.	gummiferum	Remove	proposed	
			development.	
	Lophostemon		Viable to be	Medium
76.	confertus	Retain	retained and	
	Comercus		protected.	
	Ulmus parvifolia		Viable to be	Medium
77.		Retain	retained and	
			protected.	
	Sapium sebiferum		Not viable to be	Medium
70	,	Danie	retained due to	
78.		Remove	proposed	
			development.	
	 		Viable to be	Medium
	Lophostemon		Viable to be	Mediuiii
81.	Lophostemon confertus	Retain	retained and	Mediaiii

	Casuarina		Viable to be	Medium
82.	cunninghamiana	Retain	retained and	
	Cummignamiana		protected.	
	Callistemon viminalis		Viable to be	Medium
83.		Retain	retained and	
			protected.	
	Lophostemon		Viable to be	Medium
84.	confertus	Retain	retained and	
	00.1101		protected.	
	Eucalyptus saligna		Not viable to be	Medium
85.		Remove	retained due to	
65.		Remove	proposed	
			development.	
	Lophostemon		Not viable to be	Medium
86.	confertus	Remove	retained due to	
80.		Remove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
87.		Remove	retained due to	
07.		Ttomove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
88.		Remove	retained due to	
00.			proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
89.		Remove	retained due to	
			proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
90.		Remove	retained due to	
			proposed	
	Fire the state of the state of		development.	11: 45
	Eucalyptus saligna		Not viable to be retained due to	High
91.		Remove	proposed	
			development.	
	Lophostemon		Viable to be	High
95.		Retain	retained and	ווקוו
<i>33</i> .	confertus	Notalli	protected.	
	Corymbia citriodora		Viable to be	High
98.	Corymbia citriodora	Retain	retained and	' ''6''
			protected.	
	Eucalyptus		Viable to be	High
99.	microcorys	Retain	retained and	
	morocorys		protected.	
	Corymbia citriodora		Viable to be	High
100.		Retain	retained and	
			protected.	
	Eucalyptus		Viable to be	High
101.	sideroxylon	Retain	retained and	
101.	o.a.o.y.ton		protected.	

	Eucalyptus		Viable to be	High
102.	sideroxylon	Retain	retained and	
	era er er y terr		protected.	
	Eucalyptus scoparia		Viable to be	High
103.		Retain	retained and	
			protected.	
	Eucalyptus		Viable to be	High
104.	sideroxylon	Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
105.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
106.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
107.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
108.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
109.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
112.		Retain	retained and	
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
113.		Retain	retained and	
			protected.	
444	Robinia pseudoacacia	Б. (:	Viable to be	Medium
114.		Retain	retained and	
			protected.	
115	Robinia pseudoacacia	Detein	Viable to be	Medium
115.		Retain	retained and	
	Angonhore sestate		protected. Viable to be	Madium
116.	Angophora costata	Retain	retained and	Medium
110.		Netalli	protected.	
	Angonhora costata		Viable to be	Medium
117.	Angophora costata	Retain	retained and	Mediuiii
11/.		Notalli	protected.	
	Angonhora costata		Viable to be	Medium
118.	Angophora costata	Retain	retained and	Mediaili
110.		Retain	protected.	
	Elaeocarpus kirtonii		Viable to be	Medium
119.	Liacocaipus Kiitoiiii	Retain	retained and	ricululli
115.		Rotain	protected.	
	Callistemon viminalis		Viable to be	Medium
120.	Gatusternon viiriinaus	Retain	retained and	Piculalii
120.		Retain	protected.	
			protected.	

121.	Melaleuca armillaris	Retain	Viable to be retained and	Medium
121.		rtotairi	protected.	
	Melaleuca armillaris		Viable to be	Medium
122.	Trotatou ou urrintario	Retain	retained and	- Todiani
			protected.	
	Melaleuca armillaris		Viable to be	Medium
123.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
124.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
125.		Retain	retained and	
			protected.	
	Jacaranda		Viable to be	Medium
126.	mimosifolia	Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
127.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
128.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
129.		Retain	retained and	
_			protected.	
	Melia azedarach		Viable to be	Medium
130.		Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
131.		Retain	retained and	
			protected.	
433	Corymbia maculata	D. A. tu	Viable to be	Medium
132.		Retain	retained and	
	0		protected.	A4 = =!
122	Corymbia maculata	Doto!:-	Viable to be	Medium
133.		Retain	retained and	
	Convehio cituis da sa		protected. Viable to be	Madium
134.	Corymbia citriodora	Retain	retained and	Medium
134.		Netalli	protected.	
	Melia azedarach		Viable to be	Medium
135.	Melia azeualacii	Retain	retained and	Mediaili
155.		Rotain	protected.	
	Corymbia citriodora		Viable to be	Medium
136.	Coryribia citriodora	Retain	retained and	ricululli
150.		. wan	protected.	
	Calodendrum		Viable to be	High
159.		Retain	retained and	111611
	capense	· totalli	protected.	
			protected.	

160.	Eucalyptus sideroxylon	Retain	Viable to be retained and protected.	High
161.	Corymbia citriodora	Retain	Viable to be retained and protected.	Medium
162.	Corymbia citriodora	Retain	Viable to be retained and protected.	Medium
163.	Cinnamomum camphora	Retain	Viable to be retained and protected.	Low
164.	Washingtonia robusta	Retain	Viable to be retained and protected.	Medium
165.	Plumeria rubra	Remove	Not viable to be retained due to proposed development.	Medium

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1.0 Scope of Works

This Arboricultural Development Impact Assessment Report has been commissioned by on behalf the NSW Department of Education (the Applicant) to report on trees within the site of the proposed Liverpool Boys and Girls High School, 18 Forbes St, Liverpool NSW. It has been commissioned to outline the health, condition and stability of these trees as well as their viability for retention within the scope of the proposed development. The scope of this report includes all trees within the site that are potentially impacted by the development.

This report accompanies a Review of Environment Factors that seeks approval for redeveloping the Liverpool Boys and Liverpool Girls High Schools into a single coeducational school, including:

Demolition;

- Construction and operation of a six-storey school building, including school hall and gymnasium;
- Associated parking and building services;
- Tree removal;
- Associated landscaping and play spaces;
- · Augmentation of service infrastructure; and
- Associated off-site infrastructure works to support the school, including (but not limited to) services, kiss and drop point and pedestrian crossings.

Refer to the Review of Environmental Factors prepared by Ethos Urban for a full description of works.

On the 2nd November 2024, Glenn Bird of Birds Tree Consultancy attended site and inspected the subject trees from the ground. There was no aerial inspection carried out. A Visual Tree Assessment was undertaken in accordance with Visual Tree Assessment (VTA) guidelines (Mattheck and Breloer, 1994). Tree heights were measured using a Nikon Forestry 550 Heightmeter.

2.0 Site Analysis

2.1 Site

The site is located at 18 Forbes Street, Liverpool, within the Liverpool Local Government Area (LGA). The site is legally described as Lot 1 DP1137425 and has a total area of approximately 74,973m2.

The site comprises a broadly rectangular portion of land which currently contains the existing Liverpool Boys High School, Liverpool Girls High School, and the Gulyangarri Public School, which commenced operations in January 2024 and is located to the east of the wider site.

The site's western portion contains Liverpool Boys High School and Liverpool Girls High School. Liverpool Girls High School in the site's southwest comprises three, two-story buildings. Liverpool Boys High School in the site's northwest, comprises approximately four, two-story buildings, with adjacent at-grade carparking and various sports courts.

2.2 Documentation

This Development Impact Assessment Report has been compiled based on the following documentation provided:

- 1. NBRS Proposed Site Plan LBGHS-NBRS-00-ZZ-DR-A-0201 Rev 3 dated 13.02.2025.
- 2. NBRS Landscape Site Plan LBGHS-NBRS-00-XX-DR-L-0002 Rev 3 dated 13.02.2025.
- 3. Meinhardt Bulk Earthworks Plan C070 Revision T1 dated 19.02.2025.
- 4. Meinhardt Civil Siteworks Plan C101 Revision T1 dated 19.02.2025.

2.3 Topography

The site is relatively flat and slopes moderately from the highest point at the northwestern boundary at the corner of the Lachlan and Forbes Street frontages. Refer to detailed survey for detailed levels.

2.4 Identification

Trees are as identified in the attached inspection forms in Appendix C and shown in Tree location Plan A01 in Appendix D.

Tree numbering has been retained from previous Birds Tree Consultancy Reports on this site for consistency. Trees 79, 80, 92, 93, 94, 110, 111, 127, 137, 157, 158 have been removed subsequent to these previous reports. Trees 163, 164 and 165 were not previously included on previous reports.

2.5 Soils

Soil material and horizons were not tested for this report.

3.0 Existing Trees

The following trees were inspected from the ground and the following items identified. Please refer also to the attached inspection data in Appendix C.

3.1. Tree 21. Melaleuca quinquenervia

This mature tree is approximately 12m tall with a crown spread of 6m. It has a single trunk with a DBH of 760mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.2. Tree 22. Corymbia maculata

This mature tree is approximately 22m tall with a crown spread of 9m. It has a single trunk with a DBH of 480mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.3. Tree 23. Corymbia maculata

This mature tree is approximately 23m tall with a crown spread of 7m. It has a single trunk with a DBH of 420mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.4. Tree 24. Corymbia maculata

This mature tree is approximately 22m tall with a crown spread of 7m. It has a single trunk with a DBH of 420mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.5. Tree 25. Lophostemon confertus

This mature tree is approximately 10m tall with a crown spread of 10m. It has a single trunk with a DBH of 480mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.6. Tree 26. Lophostemon confertus

This mature tree is approximately 10m tall with a crown spread of 8m. It has a single trunk with a DBH of 450mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.7. Tree 27. Schinus areira

This mature tree is approximately 12m tall with a crown spread of 14m. It has a Multiple Stems trunk with a DBH of 883.9mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.8. Tree 28. Jacaranda mimosifolia

This mature tree is approximately 10m tall with a crown spread of 10m. It has a single trunk with a DBH of 380mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.9. Tree 29. Jacaranda mimosifolia

This mature tree is approximately 10m tall with a crown spread of 10m. It has a single trunk with a DBH of 340mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.10. Tree 30. Melia azedarach

This mature tree is approximately 11m tall with a crown spread of 6m. It has a Multiple Stems trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

Tree 31. 3.11. Jacaranda mimosifolia

This mature tree is approximately 8m tall with a crown spread of 12m. It has a single trunk with a DBH of 500mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.12. Tree 32. Livistona australis

This mature tree is approximately 13m tall with a crown spread of 4m. It has a single trunk with a DBH of 0mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.13. Tree 33. Cupressus sempervirens

This mature tree is approximately 13m tall with a crown spread of 8m. It has a single trunk with a DBH of 500mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.14. Tree 34. Cupressus sempervirens

This mature tree is approximately 12m tall with a crown spread of 6m. It has a single trunk with a DBH of 400mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.15. Tree 35. Robinia pseudoacacia

This mature tree is approximately 9m tall with a crown spread of 7m. It has a single trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.16. Tree 36. Platanus x acerifolia

This mature tree is approximately 19m tall with a crown spread of 16m. It has a single trunk with a DBH of 700mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.17. Tree 37. Platanus x acerifolia

This mature tree is approximately 17m tall with a crown spread of 12m. It has a single trunk with a DBH of 470mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.18. Tree 38. Platanus x acerifolia

This mature tree is approximately 17m tall with a crown spread of 12m. It has a single trunk with a DBH of 380mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.19. Tree 39. Platanus x acerifolia

This mature tree is approximately 15m tall with a crown spread of 9m. It has a single trunk with a DBH of 410mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.20. Tree 40. Platanus x acerifolia

This mature tree is approximately 14m tall with a crown spread of 12m. It has a single trunk with a DBH of 360mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.21. Tree 41. Corymbia citriodora

This mature tree is approximately 24m tall with a crown spread of 16m. It has a single trunk with a DBH of 870mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.22. Tree 42. Eucalyptus sideroxylon

This mature tree is approximately 17m tall with a crown spread of 11m. It has a single trunk with a DBH of 550mm. This tree is in good health, with minimal deadwood and epicormic growth. There is prominent swelling at base indicative of decay. We recommend a TRAQ level 3 risk assessment to determine viability for retention.

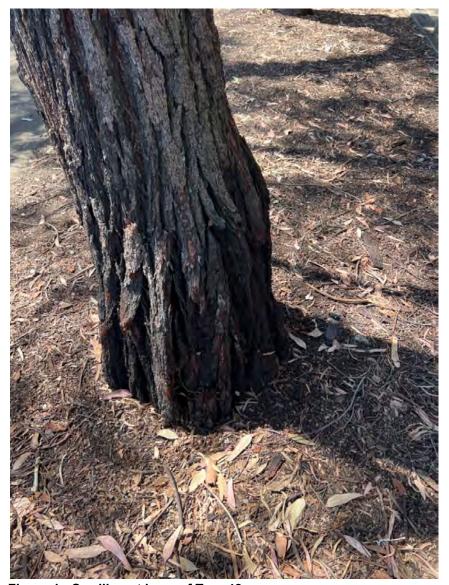


Figure 1 - Swelling at base of Tree 42

3.23. Tree 43. Corymbia citriodora

This mature tree is approximately 24m tall with a crown spread of 16m. It has a single trunk with a DBH of 810mm. This tree is in good health, with minimal deadwood and epicormic growth. Evidence of decay and cavity in second order junction at approximately 8m. Recommend TRAQ Level 3 risk assessment to determine viability for retention.



Figure 2 - Tree 43 cavity at 8m

3.24. Tree 44. Eucalyptus sideroxylon

This mature tree is approximately 15m tall with a crown spread of 11m. It has a single trunk with a DBH of 480mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.25. Tree 45. Corymbia citriodora

This mature tree is approximately 17m tall with a crown spread of 12m. It has a single trunk with a DBH of 570mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.26. Tree 46. Melia azedarach

This mature tree is approximately 11m tall with a crown spread of 9m. It has a Multiple Stems trunk with a DBH of 399.1mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.27. Tree 47. Corymbia citriodora

This mature tree is approximately 19m tall with a crown spread of 12m. It has a single trunk with a DBH of 620mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.28. Tree 48. Eucalyptus saligna

This mature tree is approximately 23m tall with a crown spread of 12m. It has a single trunk with a DBH of 520mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.29. Tree 49. Eucalyptus microcorys

This mature tree is approximately 20m tall with a crown spread of 14m. It has a Multiple Stems trunk with a DBH of 542mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.30. Tree 50. Lophostemon confertus

This mature tree is approximately 7m tall with a crown spread of 3m. It has a Multiple Stems trunk with a DBH of 153mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.31. Tree 51. Eucalyptus saligna

This mature tree is approximately 23m tall with a crown spread of 12m. It has a single trunk with a DBH of 560mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.32. Tree 52. Eucalyptus saligna

This mature tree is approximately 23m tall with a crown spread of 12m. It has a single trunk with a DBH of 510mm. This tree is in fair health, with minimal deadwood and epicormic growth. Moderate apical dieback. Significant cambium damage at base. Potential evidence of decay. Recommend TRAQ level 3 risk assessment to determine the viability of retention.

3.33. Tree 53. Melaleuca quinquenervia

This mature tree is approximately 15m tall with a crown spread of 9m. It has a single trunk with a DBH of 420mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.34. Tree 54. Melaleuca quinquenervia

This mature tree is approximately 16m tall with a crown spread of 8m. It has a single trunk with a DBH of 630mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.35. Tree 55. Callistemon viminalis

This mature tree is approximately 4m tall with a crown spread of 5m. It has a single trunk with a DBH of 220mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.36. Tree 56. Eucalyptus saligna

This mature tree is approximately 23m tall with a crown spread of 14m. It has a single trunk with a DBH of 590mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.37. Tree 57. Eucalyptus saligna

This mature tree is approximately 23m tall with a crown spread of 14m. It has a single trunk with a DBH of 870mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.38. Tree 58. Eucalyptus crebra

This mature tree is approximately 20m tall with a crown spread of 16m. It has a single trunk with a DBH of 560mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.39. Tree 59. Eucalyptus scoparia

This mature tree is approximately 13m tall with a crown spread of 8m. It has a Multiple Stems trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.40. Tree 60. Melaleuca quinquenervia

This mature tree is approximately 12m tall with a crown spread of 9m. It has a single trunk with a DBH of 640mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.41. Tree 61. Hibiscus spp

This mature tree is approximately 4m tall with a crown spread of 4m. It has a Multiple Stems trunk with a DBH of 230mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.42. Tree 62. Callistemon viminalis

This mature tree is approximately 6m tall with a crown spread of 5m. It has a single trunk with a DBH of 250mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.43. Tree 63. Callistemon viminalis

This mature tree is approximately 5m tall with a crown spread of 4m. It has a Multiple Stems trunk with a DBH of 320mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.44. Tree 64. Callistemon viminalis

This mature tree is approximately 6m tall with a crown spread of 4m. It has a Multiple Stems trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.45. Tree 65. Callistemon viminalis

This mature tree is approximately 6m tall with a crown spread of 6m. It has a Multiple Stems trunk with a DBH of 350mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.46. Tree 66. Callistemon viminalis

This mature tree is approximately 4m tall with a crown spread of 5m. It has a Multiple Stems trunk with a DBH of 240mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.47. Tree 67. Melaleuca quinquenervia

This mature tree is approximately 19m tall with a crown spread of 8m. It has a single trunk with a DBH of 670mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.48. Tree 68. Callistemon viminalis

This mature tree is approximately 5m tall with a crown spread of 5m. It has a Multiple Stems trunk with a DBH of 350mm. This tree is in good health, with minimal deadwood and epicormic growth.

Tree 70. 3.49. Grevillea robusta

This mature tree is approximately 16m tall with a crown spread of 9m. It has a single trunk with a DBH of 470mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.50. Tree 71. Schinus areira

This mature tree is approximately 14m tall with a crown spread of 11m. It has a single trunk with a DBH of 490mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.51. Tree 74. Ceratopetalum gummiferum

This mature tree is approximately 5m tall with a crown spread of 4m. It has a single trunk with a DBH of 160mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.52. Tree 76. Lophostemon confertus

This mature tree is approximately 10m tall with a crown spread of 9m. It has a single trunk with a DBH of 490mm. This tree is in good health, with minimal deadwood and epicormic growth.

Tree 77. 3.53. Ulmus parvifolia

This mature tree is approximately 24m tall with a crown spread of 13m. It has a single trunk with a DBH of 460mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.54. Tree 78. Sapium sebiferum

This mature tree is approximately 8m tall with a crown spread of 6m. It has a single trunk with a DBH of 230mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.55. Tree 81. Lophostemon confertus

This mature tree is approximately 7m tall with a crown spread of 7m. It has a single trunk with a DBH of 290mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.56. Tree 82. Casuarina cunninghamiana

This mature tree is approximately 14m tall with a crown spread of 7m. It has a single trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.57. Tree 83. Callistemon viminalis

This mature tree is approximately 5m tall with a crown spread of 5m. It has a single trunk with a DBH of 280mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.58. Tree 84. Lophostemon confertus

This mature tree is approximately 11m tall with a crown spread of 8m. It has a single trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.59. Tree 85. Eucalyptus saligna

This mature tree is approximately 20m tall with a crown spread of 10m. It has a single trunk with a DBH of 440mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.60. Tree 86. Lophostemon confertus

This mature tree is approximately 14m tall with a crown spread of 9m. It has a single trunk with a DBH of 420mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.61. Tree 87. Eucalyptus saligna

This mature tree is approximately 18m tall with a crown spread of 8m. It has a single trunk with a DBH of 360mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.62. Tree 88. Eucalyptus saligna

This mature tree is approximately 12m tall with a crown spread of 4m. It has a Multiple Stems trunk with a DBH of 260mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.63. Tree 89. Eucalyptus saligna

This mature tree is approximately 19m tall with a crown spread of 9m. It has a single trunk with a DBH of 320mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.64. Tree 90. Eucalyptus saligna

This mature tree is approximately 18m tall with a crown spread of 9m. It has a single trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.65. Tree 91. Eucalyptus saligna

This mature tree is approximately 20m tall with a crown spread of 8m. It has a single trunk with a DBH of 310mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.66. Tree 95. Lophostemon confertus

This mature tree is approximately 14m tall with a crown spread of 10m. It has a single trunk with a DBH of 540mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.67. Tree 98. Corymbia citriodora

This mature tree is approximately 25m tall with a crown spread of 13m. It has a single trunk with a DBH of 600mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.68. Tree 99. Eucalyptus microcorys

This mature tree is approximately 22m tall with a crown spread of 16m. It has a single trunk with a DBH of 780mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.69. Tree 100. Corymbia citriodora

This mature tree is approximately 24m tall with a crown spread of 16m. It has a single trunk with a DBH of 670mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.70. Tree 101. Eucalyptus sideroxylon

This mature tree is approximately 24m tall with a crown spread of 14m. It has a single trunk with a DBH of 540mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.71. Tree 102. Eucalyptus sideroxylon

This mature tree is approximately 24m tall with a crown spread of 14m. It has a single trunk with a DBH of 580mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.72. Tree 103. Eucalyptus scoparia

This mature tree is approximately 20m tall with a crown spread of 14m. It has a single trunk with a DBH of 600mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.73. Tree 104. Eucalyptus sideroxylon

This mature tree is approximately 24m tall with a crown spread of 15m. It has a single trunk with a DBH of 790mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.74. Tree 105. Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 8m. It has a single trunk with a DBH of 380mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.75. Tree 106. Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 8m. It has a single trunk with a DBH of 350mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.76. Tree 107. Robinia pseudoacacia

This mature tree is approximately 9m tall with a crown spread of 8m. It has a single trunk with a DBH of 240mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.77. Tree 108. Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 7m. It has a single trunk with a DBH of 250mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.78. Tree 109. Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 8m. It has a single trunk with a DBH of 410mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.79. Tree 112 Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 7m. It has a single trunk with a DBH of 170mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.80. Tree 113. Robinia pseudoacacia

This mature tree is approximately 11m tall with a crown spread of 8m. It has a single trunk with a DBH of 270mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.81. Tree 114. Robinia pseudoacacia

This mature tree is approximately 11m tall with a crown spread of 8m. It has a single trunk with a DBH of 330mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.82. Tree 115. Robinia pseudoacacia

This mature tree is approximately 10m tall with a crown spread of 6m. It has a single trunk with a DBH of 300mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.83. Tree 116. Angophora costata

This mature tree is approximately 14m tall with a crown spread of 8m. It has a single trunk with a DBH of 340mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.84. Tree 117. Angophora costata

This mature tree is approximately 14m tall with a crown spread of 9m. It has a single trunk with a DBH of 340mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.85. Tree 118. Angophora costata

This mature tree is approximately 14m tall with a crown spread of 9m. It has a single trunk with a DBH of 330mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.86. Tree 119. Elaeocarpus kirtonii

This mature tree is approximately 6m tall with a crown spread of 3m. It has a single trunk with a DBH of 110mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.87. Tree 120. Callistemon viminalis

This mature tree is approximately 5m tall with a crown spread of 3m. It has a Multiple Stems trunk with a DBH of 85.4mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.88. Tree 121. Melaleuca armillaris

This mature tree is approximately 10m tall with a crown spread of 5m. It has a Multiple Stems trunk with a DBH of 254.6mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.89. Tree 122. Melaleuca armillaris

This mature tree is approximately 10m tall with a crown spread of 5m. It has a Multiple Stems trunk with a DBH of 242.1mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.90. Tree 123. Melaleuca armillaris

This mature tree is approximately 11m tall with a crown spread of 6m. It has a Multiple Stems trunk with a DBH of 226.7mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.91. Tree 124. Melaleuca armillaris

This mature tree is approximately 10m tall with a crown spread of 5m. It has a Multiple Stems trunk with a DBH of 220.2mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.92. Tree 125. Melaleuca armillaris

This mature tree is approximately 8m tall with a crown spread of 4m. It has a single trunk with a DBH of 160mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.93. Tree 126. Jacaranda mimosifolia

This mature tree is approximately 16m tall with a crown spread of 9m. It has a single trunk with a DBH of 410mm. This tree is in fair health, with minimal deadwood and epicormic growth.

3.94. Tree 128 Corymbia maculata

This mature tree is approximately 22m tall with a crown spread of 8m. It has a single trunk with a DBH of 370mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.95. Tree 129. Corymbia maculata

This mature tree is approximately 21m tall with a crown spread of 8m. It has a single trunk with a DBH of 290mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.96. Tree 130. Melia azedarach

This mature tree is approximately 10m tall with a crown spread of 7m. It has a single trunk with a DBH of 110mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.97. Tree 131. Melia azedarach

This mature tree is approximately 10m tall with a crown spread of 9m. It has a Multiple Stems trunk with a DBH of 269.1mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.98. Tree 132. Corymbia maculata

This mature tree is approximately 22m tall with a crown spread of 14m. It has a single trunk with a DBH of 140mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.99. Tree 133. Corymbia maculata

This mature tree is approximately 22m tall with a crown spread of 12m. It has a single trunk with a DBH of 670mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.100. Tree 134. Corymbia citriodora

This mature tree is approximately 20m tall with a crown spread of 11m. It has a single trunk with a DBH of 380mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.101. Tree 135. Melia azedarach

This mature tree is approximately 6m tall with a crown spread of 6m. It has a Multiple Stems trunk with a DBH of 191mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.102. Tree 136. Corymbia citriodora

This mature tree is approximately 19m tall with a crown spread of 9m. It has a single trunk with a DBH of 350mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.103. Tree 159 Calodendrum capense

This mature tree is approximately 10m tall with a crown spread of 14m. It has a Multiple Stems trunk with a DBH of 418.8mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.104. Tree 160. Eucalyptus sideroxylon

This mature tree is approximately 23m tall with a crown spread of 14m. It has a single trunk with a DBH of 660mm. This tree is in good health, with minimal deadwood and epicormic growth. There is a crack/structural defect visible at approximately 10m. We recommend TRAQ level 3 risk assessment to determine viability for retention.



Figure 3 - Structural defect in Tree 160.

3.105. Tree 161. Corymbia citriodora

This mature tree is approximately 20m tall with a crown spread of 14m. It has a single trunk with a DBH of 670mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.106. Tree 162. Corymbia citriodora

This mature tree is approximately 21m tall with a crown spread of 16m. It has a single trunk with a DBH of 620mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.107. Tree 163. Cinnamomum camphora

This Semi Mature tree is approximately 9m tall with a crown spread of 5m. It has a single trunk with a DBH of 140mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.108. Tree 164. Washingtonia robusta

This mature tree is approximately 14m tall with a crown spread of 5m. It has a single trunk with a DBH of 0mm. This tree is in good health, with minimal deadwood and epicormic growth.

3.109. Tree 165. Plumeria rubra

This mature tree is approximately 7m tall with a crown spread of 6m. It has a trunk with a DBH of 233.5mm. This tree is in good health, with minimal deadwood and epicormic growth.

4.0 Landscape Significance of Trees

4.1 Landscape Significance

The significance of a tree within the landscape is a factor of the health and condition of the tree, vitality, the form of the tree, environmental, cultural, amenity and heritage value.

4.2 Methodology of Determining Landscape Significance

For the purpose of this report, the Significance of a Tree, Assessment Rating System (STARS) as developed by the Institute of Australian Consulting Arborists (IACA) has been implemented. Please refer to Appendix A for greater detail of this assessment system. This system defines Landscape Significance for individual trees as High, Medium or Low Significance.

4.3 Landscape Significance of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Significance of a Tree, Assessment Rating System, the Landscape Significance of the Subject Trees was determined as shown in Table 1.

Tree no.	Species	Landscape Significance
21.	Melaleuca quinquenervia	High
22.	Corymbia maculata	High
23.	Corymbia maculata	High
24.	Corymbia maculata	High
25.	Lophostemon confertus	High
26.	Lophostemon confertus	High
27.	Schinus areira	High
28.	Jacaranda mimosifolia	Medium
29.	Jacaranda mimosifolia	Medium
30.	Melia azedarach	Medium
31.	Jacaranda mimosifolia	Medium
32.	Livistona australis	Medium
33.	Cupressus sempervirens	Medium
34.	Cupressus sempervirens	Medium
35.	Robinia pseudoacacia	Medium

36.	Platanus x acerifolia	Medium
37.	Platanus x acerifolia	Medium
38.	Platanus x acerifolia	Medium
39.	Platanus x acerifolia	Medium
40.	Platanus x acerifolia	Medium
41.	Corymbia citriodora	High
42.	Eucalyptus sideroxylon	High
43.	Corymbia citriodora	High
44.	Eucalyptus sideroxylon	High
45.	Corymbia citriodora	High
46.	Melia azedarach	Medium
47.	Corymbia citriodora	High
48.	Eucalyptus saligna	High
49.	Eucalyptus microcorys	Medium
50.	Lophostemon confertus	Medium
51.	Eucalyptus saligna	High
52.	Eucalyptus saligna	High
53.	Melaleuca quinquenervia	Medium
54.	Melaleuca quinquenervia	Medium
55.	Callistemon viminalis	Medium
56.	Eucalyptus saligna	High
57.	Eucalyptus saligna	High
58.	Eucalyptus crebra	High
59.	Eucalyptus scoparia	Medium
60.	Melaleuca quinquenervia	Medium
61.	Hibiscus spp	Medium
62.	Callistemon viminalis	Medium
63.	Callistemon viminalis	Medium
64.	Callistemon viminalis	Medium
65.	Callistemon viminalis	Medium
66.	Callistemon viminalis	Medium
67.	Melaleuca quinquenervia	Medium
68.	Callistemon viminalis	Medium
70.	Grevillea robusta	Medium
71.	Schinus areira	Medium
74.	Ceratopetalum gummiferum	Medium
76.	Lophostemon confertus	Medium
77.	Ulmus parvifolia	Medium
78.	Sapium sebiferum	Medium
81.	Lophostemon confertus	Medium
82.	Casuarina cunninghamiana	Medium
83.	Callistemon viminalis	Medium
84.	Lophostemon confertus	Medium
85.	Eucalyptus saligna	Medium

86.	Lophostemon confertus	Medium
87.	Eucalyptus saligna	High
88.	Eucalyptus saligna	High
89.	Eucalyptus saligna	High
90.	Eucalyptus saligna	High
91.	Eucalyptus saligna	High
95.	Lophostemon confertus	High
98.	Corymbia citriodora	High
99.	Eucalyptus microcorys	High
100.	Corymbia citriodora	High
101.	Eucalyptus sideroxylon	High
102.	Eucalyptus sideroxylon	High
103.	Eucalyptus scoparia	High
104.	Eucalyptus sideroxylon	High
105.	Robinia pseudoacacia	Medium
106.	Robinia pseudoacacia	Medium
107.	Robinia pseudoacacia	Medium
108.	Robinia pseudoacacia	Medium
109.	Robinia pseudoacacia	Medium
112.	Robinia pseudoacacia	Medium
113.	Robinia pseudoacacia	Medium
114.	Robinia pseudoacacia	Medium
115.	Robinia pseudoacacia	Medium
116.	Angophora costata	Medium
117.	Angophora costata	Medium
118.	Angophora costata	Medium
119.	Elaeocarpus kirtonii	Medium
120.	Callistemon viminalis	Medium
121.	Melaleuca armillaris	Medium
122.	Melaleuca armillaris	Medium
123.	Melaleuca armillaris	Medium
124.	Melaleuca armillaris	Medium
125.	Melaleuca armillaris	Medium
126.	Jacaranda mimosifolia	Medium
128.	Corymbia maculata	Medium
129.	Corymbia maculata	Medium
130.	Melia azedarach	Medium
131.	Melia azedarach	Medium
132.	Corymbia maculata	Medium
133.	Corymbia maculata	Medium
134.	Corymbia citriodora	Medium
135.	Melia azedarach	Medium
136.	Corymbia citriodora	Medium
159.	Calodendrum capense	Medium

160.	Eucalyptus sideroxylon	High
161.	Corymbia citriodora	Medium
162.	Corymbia citriodora	Medium
163.	Cinnamomum camphora	Low
164.	Washingtonia robusta	Medium
165.	Plumeria rubra	Medium

Table 1 - Landscape Significance

5.0 Subject Tree Retention Value

5.1 Tree Retention Value Methodology

For the purpose of this report, the Tree Retention Values have been assessed by incorporating Landscape Significance Values as determined in 4.0 with the Useful Life Expectancy of the subject trees and assessing the retention values based on the Tree Retention Value Priority Matrix as developed by the Institute of Australian Consulting Arborists (IACA). Please refer to Appendix B for greater detail on this Tree Retention Value Priority Matrix. This matrix defines Landscape Significance for individual trees as High, Medium or Low Retention Value as well as Priority for Removal.

5.2 Retention Value of Subject Trees

Based on our assessment of the subject trees and implementation of the IACA Tree Retention Value Priority Matrix, the Retention Values of the Subject Trees were determined as shown in Table 2.

Tree no.	Species	Retention Value	
21.	Melaleuca quinquenervia	High	
22.	Corymbia maculata	High	
23.	Corymbia maculata	High	
24.	Corymbia maculata	High	
25.	Lophostemon confertus	High	
26.	Lophostemon confertus	High	
27.	Schinus areira	High	
28.	Jacaranda mimosifolia	Medium	
29.	Jacaranda mimosifolia	Medium	
30.	Melia azedarach	Medium	
31.	Jacaranda mimosifolia	Medium	
32.	Livistona australis	Medium	
33.	Cupressus sempervirens	Medium	
34.	Cupressus sempervirens	Medium	
35.	Robinia pseudoacacia	Medium	
36.	Platanus x acerifolia Medium		
37.	Platanus x acerifolia	Medium	
38.	Platanus x acerifolia	Medium	

39.	Platanus x acerifolia	Medium	
40.	Platanus x acerifolia	Medium	
41.	Corymbia citriodora	High	
42.	Eucalyptus sideroxylon High		
43.	Corymbia citriodora	High	
44.	Eucalyptus sideroxylon	High	
45.	Corymbia citriodora	High	
46.	Melia azedarach	Medium	
47.	Corymbia citriodora	High	
48.	Eucalyptus saligna	High	
49.	Eucalyptus microcorys	Medium	
50.	Lophostemon confertus	Medium	
51.	Eucalyptus saligna	High	
52.	Eucalyptus saligna	High	
53.	Melaleuca quinquenervia	Medium	
54.	Melaleuca quinquenervia	Medium	
55.	Callistemon viminalis	Medium	
56.	Eucalyptus saligna	High	
57.	Eucalyptus saligna	High	
58.	Eucalyptus crebra	High	
59.	Eucalyptus scoparia	Medium	
60.	Melaleuca quinquenervia	Medium	
61.	Hibiscus spp	Medium	
62.	Callistemon viminalis	Medium	
63.	Callistemon viminalis	Medium	
64.	Callistemon viminalis	Medium	
65.	Callistemon viminalis	Medium	
66.	Callistemon viminalis	Medium	
67.	Melaleuca quinquenervia	Medium	
68.	Callistemon viminalis	Medium	
70.	Grevillea robusta	Medium	
71.	Schinus areira	Medium	
74.	Ceratopetalum gummiferum	Medium	
76.	Lophostemon confertus	Medium	
77.	Ulmus parvifolia	Medium	
78.	Sapium sebiferum	Medium	
81.	Lophostemon confertus	Medium	
82.	Casuarina cunninghamiana	Medium	
83.	Callistemon viminalis	Medium	
84.	Lophostemon confertus	Medium	
85.	Eucalyptus saligna	Medium	
86.	Lophostemon confertus	Medium	
87.	Eucalyptus saligna	High	
88.	Eucalyptus saligna	High	

89.	Eucalyptus saligna	High	
90.	Eucalyptus saligna	High	
91.	Eucalyptus saligna	High	
95.	Lophostemon confertus	High	
98.	Corymbia citriodora	High	
99.	Eucalyptus microcorys	High	
100.	Corymbia citriodora	High	
101.	Eucalyptus sideroxylon	High	
102.	Eucalyptus sideroxylon	High	
103.	Eucalyptus scoparia	High	
104.	Eucalyptus sideroxylon	High	
105.	Robinia pseudoacacia	Medium	
106.	Robinia pseudoacacia	Medium	
107.	Robinia pseudoacacia	Medium	
108.	Robinia pseudoacacia	Medium	
109.	Robinia pseudoacacia	Medium	
112.	Robinia pseudoacacia	Medium	
113.	Robinia pseudoacacia	Medium	
114.	Robinia pseudoacacia	Medium	
115.	Robinia pseudoacacia	Medium	
116.	Angophora costata	Medium	
117.	Angophora costata	Medium	
118.	Angophora costata	Medium	
119.	Elaeocarpus kirtonii	Medium	
120.	Callistemon viminalis	Medium	
121.	Melaleuca armillaris	Medium	
122.	Melaleuca armillaris	Medium	
123.	Melaleuca armillaris	Medium	
124.	Melaleuca armillaris	Medium	
125.	Melaleuca armillaris	Medium	
126.	Jacaranda mimosifolia	Medium	
128.	Corymbia maculata	Medium	
129.	Corymbia maculata	Medium	
130.	Melia azedarach	Medium	
131.	Melia azedarach	Medium	
132.	Corymbia maculata	Medium	
133.	Corymbia maculata	Medium	
134.	Corymbia citriodora	Medium	
135.	Melia azedarach	Medium	
136.	Corymbia citriodora	Medium	
159.	Calodendrum capense	Medium	
160.	Eucalyptus sideroxylon	High	
161.	Corymbia citriodora Medium		
162.	Corymbia citriodora	Medium	

163.	Cinnamomum camphora	Low
164.	Washingtonia robusta	Medium
165.	Plumeria rubra	Medium

Table 2 - Tree Retention Value

6.0 Impact of Development

6.1 Tree Protection Zone

Tree Protection Zones (TPZs) have been defined for the subject trees in order to define the encroachment of the proposed development in accordance with *AS4970-2009*. The TPZs required have been taken as a circular area with a radius 12 x the diameter at breast height of the tree. This requirement is in line with Australian Standard AS 4970-2009 Protection of Trees on Development Sites. This standard defines a maximum of 10% encroachment to be minimal encroachment. Any encroachment over 10% requires the site arborist to give consideration as to the viability of the tree due to the proposed development.

6.2 Structural Root Zone

Structural Root Zone (SRZs) are defined by AS4970-2009 as the area of root development required for the structural stability of the tree. The SRZ is required to be assessed only when an encroachment greater than 10% is considered.

Tree no.	Species	TPZ Radius (m)	Encroachment %	SRZ Radius (m) Encroached / Not Encroached
21.	Melaleuca		100	
21.	quinquenervia	9.12		3.09
22.	Corymbia		100	
22.	maculata	5. <i>7</i> 6		2.57
23.	Corymbia		100	
23.	maculata	5.04		2.57
24.	Corymbia	5.28	100	
24.	maculata			2.57
25.	Lophostemon	5. <i>7</i> 6	100	
25.	confertus			2.85
26.	Lophostemon	5.4	100	
20.	confertus			2.57
27.	Schinus areira	10.61	100	3.17
28.	Jacaranda	4.56	100	
28.	mimosifolia			2.37
29.	Jacaranda	4.08	100	
29.	mimosifolia			2.37
30.	Melia azedarach	3.6	100	2.15
31.	Jacaranda	6	100	
51.	mimosifolia			1.02

32.	Livistona	2	100	
	australis			N/A
	Cupressus	6	100	
33.	sempervirens			2.59
	Cupressus	4.8	100	
34.	sempervirens			2.43
25	Robinia	3.6	100	
35.	pseudoacacia			2.20
26	Platanus x	8.4	100	
36.	acerifolia			3.01
27	Platanus x	5.64	100	
37.	acerifolia			2.57
38.	Platanus x	4.56	100	
36.	acerifolia			2.37
39.	Platanus x	4.92	100	
33.	acerifolia			2.57
40.	Platanus x	4.32	100	
40.	acerifolia			2.37
41.	Corymbia	10.44	100	
41.	citriodora			3.24
42.	Eucalyptus	6.6	100	
72.	sideroxylon			2.93
43.	Corymbia	9.72	100	
	citriodora			3.24
44.	Eucalyptus	5.76	100	
	sideroxylon			2.67
45.	Corymbia	6.84	100	
	citriodora			2.76
46.	Melia azedarach	4.79	100	2.37
47.	Corymbia	7.44	100	
	citriodora			2.93
48.	Eucalyptus	6.24	0	
	saligna			2.85
49.	Eucalyptus	6.5	0	
	microcorys			2.73
50.	Lophostemon	2	0	4.05
	confertus	0.70	10	1.85
51.	Eucalyptus	6.72	40	0.00
	saligna	0.10	0	2.93
52.	Eucalyptus	6.12	0	2.67
	saligna Melaleuca	5.04	40	2.67
53.		5.04	40	2.47
	quinquenervia Melaleuca	7.56	30	2.47
54.		7.50	30	2.85
	quinquenervia			2.00

	Callistemon	2.64	0	
55.	viminalis			1.94
5.0	Eucalyptus	7.08	40	
56.	saligna			2.76
F-7	Eucalyptus	10.44	35	
57.	saligna			3.24
58.	Eucalyptus	6.72	27	
58.	crebra			2.85
59.	Eucalyptus	3.6	100	
59.	scoparia			2.25
60.	Melaleuca	7.68	100	
00.	quinquenervia			2.93
61.	Hibiscus spp	2.76	100	2.05
62.	Callistemon	3	100	
02.	viminalis			2.00
63.	Callistemon	3.84	100	
03.	viminalis			2.20
64.	Callistemon	3.6	100	
04.	viminalis			2.13
65.	Callistemon	4.2	100	
05.	viminalis			2.20
66.	Callistemon	2.88	100	
00.	viminalis			2.00
67.	Melaleuca	8.04	100	
07.	quinquenervia			2.93
68.	Callistemon	4.2	100	
	viminalis			2.30
70.	Grevillea robusta	5.64	100	2.57
71.	Schinus areira	5.88	100	2.59
74.	Ceratopetalum	2	100	
74.	gummiferum			4.86
76.	Lophostemon	5.88	0	
70.	confertus			2.57
77.	Ulmus parvifolia	5.52	0	2.57
78.	Sapium	2.76	0	
70.	sebiferum			2.10
81.	Lophostemon	3.48	0	
<u> </u>	confertus			2.15
82.	Casuarina	3.6	0	
	cunninghamiana			2.20
83.	Callistemon	3.36	0	
	viminalis			2.13
84.	Lophostemon	3.6	0	
	confertus			2.20

	Eucalyptus	5.28	100	
85.	saligna			2.57
	Lophostemon	5.04	100	
86.	confertus			2.47
	Eucalyptus	4.32	100	
87.	saligna			2.37
	Eucalyptus	3.12	100	
88.	saligna	5.22		2.13
	Eucalyptus	3.84	100	
89.	saligna			2.25
	Eucalyptus	3.6	100	
90.	saligna	5.5		2.20
	Eucalyptus	3.72	100	
91.	saligna	0.72	100	2.13
	Lophostemon	6.48	0	2.10
95.	confertus	0.40		2.67
	Corymbia	7.2	0	2.07
98.	citriodora	7.2		2.81
	Eucalyptus	9.36	0	2.01
99.	microcorys	3.50		3.09
	Corymbia	8.04	0	0.00
100.	citriodora	0.04		2.93
	Eucalyptus	6.48	0	2.00
101.	sideroxylon	0.40		2.67
	Eucalyptus	6.96	0	2.07
102.	sideroxylon	0.00		2.76
	Eucalyptus	7.2	0	2.70
103.	scoparia	7.2		2.85
	Eucalyptus	9.48	0	2.00
104.	sideroxylon	0.40		3.11
	Robinia	4.56	0	0.11
105.	pseudoacacia	4.00		2.37
	Robinia	4.2	0	2.07
106.	pseudoacacia	7.2		2.25
	Robinia	2.88	0	2.20
107.	pseudoacacia	2.00		1.97
	Robinia	3	0	1.07
108.	pseudoacacia	Ü		2.13
	Robinia	4.92	0	
109.	pseudoacacia			2.47
	Robinia	2.04	0	,
112.	pseudoacacia	2.0 7		1.82
	Robinia	3.24	0	- _
113.	pseudoacacia	5.2 r		2.10
	poodaododa			2.10

	Robinia	3.96	0	
114.	pseudoacacia			2.23
	Robinia	3.6	0	
115.	pseudoacacia			2.20
	Angophora	4.08	0	
116.	costata			2.25
	Angophora	4.08	0	
117.	costata			2.25
	Angophora	3.96	0	
118.	costata			2.25
	Elaeocarpus	2	0	
119.	kirtonii			1.49
	Callistemon	2	0	
120.	viminalis			1.36
101	Melaleuca	3.06	0	
121.	armillaris			1.94
100	Melaleuca	2.91	0	
122.	armillaris			1.94
100	Melaleuca	2.72	0	
123.	armillaris			1.88
124	Melaleuca	2.64	0	
124.	armillaris			1.85
425	Melaleuca	2	0	
125.	armillaris			1.82
126	Jacaranda	4.92	0	
126.	mimosifolia			2.47
120	Corymbia	4.44	0	
128.	maculata			2.37
120	Corymbia	3.48	0	
129.	maculata			2.08
130.	Melia azedarach	2	0	1.68
131.	Melia azedarach	3.23	0	2.13
122	Corymbia	2	0	
132.	maculata			1.68
133.	Corymbia	8.04	0	
155.	maculata			2.93
134.	Corymbia	4.56	0	
154.	citriodora			2.37
135.	Melia azedarach	2.29	0	1.79
136.	Corymbia	4.2	0	
130.	citriodora			2.37
159.	Calodendrum	5.03	0	
133.	capense			2.37
160.	Eucalyptus	7.92	0	
100.	sideroxylon			2.93

161.	Corymbia	8.04	0	
101.	citriodora			2.93
162.	Corymbia	7.44	0	
102.	citriodora			2.85
163.	Cinnamomum	2	0	
103.	camphora			1.65
164.	Washingtonia	2	0	
104.	robusta			N/A
165.	Plumeria rubra	2.8	100	1.94

7.0 Recommendations

The subject Trees are preserved under Section 2 of Liverpool Development Control Plan 2008.

Trees 42, 43, and 160 have evidence of decay or other structural defect within the trunk which places these trees at increased risk of failure. If these trees are proposed for retention, we recommend an ISA (TRAQ) Level 3 Risk Assessment be conducted including internal diagnostic testing to determine the viability of these trees to be retained.

The Tree protection Zone (TPZ) of Trees 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 51, 53, 54, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 74, 76, 78, 85, 86, 87, 88, 89, 90, 91 and 165 are encroached by the proposed construction, landscape, stormwater and required earthworks by a total or major encroachment as defined by AS4970-2009 Protection of Trees on Development Sites. These trees will not be viable to be retained and will require removal due to the proposed development.

In order for Trees 22, 23, 24, and 25 to be viable to be retained, the following design modifications would be required.

- 4. Stormwater to diverted outside of the TPZ or the encroachment including all excavation reduced to less than 10% of the TPZ.
- 5. Excavation for proposed ramp and paving to not encroach the TPZ by more than 10%.
- 6. Paving (including subgrades) to be permeable within TPZ.

In order for Trees 51, 53, 54 and 56 to be viable to be retained, the following design modifications would be required.

- 4. Stormwater to diverted outside of the TPZ or the encroachment including all excavation reduced to less than 10% of the TPZ.
- 5. Excavation for proposed paving and slab downturn to not encroach the TPZ by more than 10%.
- 6. All subsoil drainage to be installed using nondestructive excavation methods including Air Spade, manual excavation or vacuum truck operating at less than 1000Psi under the direction and supervision of the Project Arborist with no damage to structural roots (greater than 20mm diameter).

All excavation within the TPZ of the retained subject trees is required to be conducted by non-destructive methods such as Air Spade or vacuum truck operating at less than 1000Psi under the direct supervision of the Project Arborist. No structural roots great er than 20mm are to be damaged.

All other trees are viable to be retained and are to be protected as defined below.

Recommendations for tree retention or removal are summarised as follows:

Tree no.	Species	Recommendations	Comments	Retention Value
			Not viable to be	High
21.	Melaleuca	Remove	retained due to	
			proposed	
	quinquenervia		development.	
			Not viable to be	High
22.		Remove	retained due to	
	Corymbia maculata		proposed development.	
	- Corymbia macatata		Not viable to be	High
			retained due to	I ligit
23.		Remove	proposed	
	Corymbia maculata		development.	
	Corymbia maculata		Not viable to be	High
	Corymbia macatata	_	retained due to	111811
24.		Remove	proposed	
			development.	
	Lophostemon		Not viable to be	High
25	confertus	D	retained due to	
25.	Comortae	Remove	proposed	
			development.	
	Lophostemon		Not viable to be	High
26.	confertus	Remove	retained due to	
	ooortuo	Remove	proposed	
			development.	
	Schinus areira		Not viable to be	High
27.		Remove	retained due to	
27.		TCHIOVE	proposed	
			development.	
	Jacaranda mimosifolia		Not viable to be	Medium
28.		Remove	retained due to	
			proposed	
			development.	
	Jacaranda mimosifolia		Not viable to be	Medium
29.		Remove	retained due to	
			proposed	
	Malia anadayaah		development. Not viable to be	Madium
	Melia azedarach		retained due to	Medium
30.		Remove	proposed	
			development.	
	Jacaranda mimosifolia		Not viable to be	Medium
	Jacaranua miimosiiolid		retained due to	Picululii
31.		Remove	proposed	
			development.	
	Livistona australis		Not viable to be	Medium
22			retained due to	
32.		Remove	proposed	
			development.	
	Cupressus	_	Not viable to be	Medium
33.	sempervirens	Remove	retained due to	

			proposed	
			development.	
	Cupressus		Not viable to be	Medium
34.	sempervirens	Remove	retained due to	
54.		rtemove	proposed	
			development.	
	Robinia pseudoacacia		Not viable to be	Medium
35.		Remove	retained due to	
55.		rtemove	proposed	
			development.	
	Platanus x acerifolia		Not viable to be	Medium
36.		Remove	retained due to	
50.		rtemove	proposed	
			development.	
	Platanus x acerifolia		Not viable to be	Medium
37.		Remove	retained due to	
57.		rtemove	proposed	
			development.	
	Platanus x acerifolia		Not viable to be	Medium
38.		Remove	retained due to	
36.		Remove	proposed	
			development.	
	Platanus x acerifolia		Not viable to be	Medium
39.		Remove	retained due to	
		Remove	proposed	
			development.	
	Platanus x acerifolia		Not viable to be	Medium
40.		Remove	retained due to	
40.		Remove	proposed	
			development.	
	Corymbia citriodora		Not viable to be	High
41.		Remove	retained due to	
41.		Remove	proposed	
			development.	
	Eucalyptus		Not viable to be	High
42.	sideroxylon	Remove	retained due to	
42.		Kemove	proposed	
			development.	
	Corymbia citriodora		Not viable to be	High
43.		Remove	retained due to	
45.		rtemove	proposed	
			development.	
	Eucalyptus		Not viable to be	High
44.	sideroxylon	Remove	retained due to	
→→.		1 (GITIOVE	proposed	
			development.	
	Corymbia citriodora		Not viable to be	High
45.		Remove	retained due to	
4 3.		1 (CITIONE	proposed	
			development.	
46.	Melia azedarach	Remove	Not viable to be	Medium
40.		Kelliove	retained due to	

			proposed	
			development.	
	Corymbia citriodora		Not viable to be	High
4.7		D	retained due to	
47.		Remove	proposed	
			development.	
	Eucalyptus saligna		Viable to be	High
48.		Retain	retained and	
			protected.	
	Eucalyptus		Viable to be	Medium
49.	microcorys	Retain	retained and	
	_		protected.	
	Lophostemon		Viable to be	Medium
50.	confertus	Retain	retained and	
			protected.	
	Eucalyptus saligna		Not viable to be	High
51.		Remove	retained due to	
			proposed	
			development.	
F2	Eucalyptus saligna	Datate	Viable to be	High
52.		Retain	retained and	
			protected.	14 11
	Melaleuca		Not viable to be retained due to	Medium
53.	quinquenervia	Remove		
			proposed development.	
	Malalauaa		Not viable to be	Medium
	Melaleuca		retained due to	Mediaiii
54.	quinquenervia	Remove	proposed	
			development.	
	Callistemon viminalis		Viable to be	Medium
55.		Retain	retained and	ricalam
			protected.	
	Eucalyptus saligna		Not viable to be	High
5.6		D	retained due to	1.0.
56.		Remove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
57.		Remove	retained due to	
57.		Kelllove	proposed	
			development.	
	Eucalyptus crebra		Not viable to be	High
58.		Remove	retained due to	
			proposed	
			development.	<u> </u>
	Eucalyptus scoparia		Not viable to be	Medium
59.		Remove	retained due to	
			proposed	
	Malal		development.	A41:
	Melaleuca		Not viable to be	Medium
60.	quinquenervia	Remove	retained due to	
			proposed development.	
			uevelopinent.	

	Hibiaaya ann		Not viable to be	Medium
	Hibiscus spp		retained due to	меашт
61.		Remove		
			proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
62.		Remove	retained due to	
			proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
63.		Remove	retained due to proposed	
		Remove		
			development.	
	Callistemon viminalis		Not viable to be	Medium
64.		Remove	retained due to	
04.		rtemove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
65.		Remove	retained due to	
05.		Remove	proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
66.		Remove	retained due to	
		Remove	proposed	
			development.	
	Melaleuca		Not viable to be	Medium
67.	guinguenervia	uinquenervia Remove	retained due to	
07.	7. 7.		proposed	
			development.	
	Callistemon viminalis		Not viable to be	Medium
68.		Pomovo	retained due to	
06.		Remove	proposed	
			development.	
	Grevillea robusta		Not viable to be	Medium
70.		Remove	retained due to	
70.		Kemove	proposed	
			development.	
	Schinus areira		Not viable to be	Medium
71.		Domovo	retained due to	
/1.		Remove	proposed	
			development.	
	Ceratopetalum		Not viable to be	Medium
7.4	gummiferum	Domestic	retained due to	
74.	Sa	Remove	proposed	
			development.	
	Lophostemon		Viable to be	Medium
76.	confertus	Retain	retained and	
	Somortus		protected.	
	Ulmus parvifolia		Viable to be	Medium
77.	, , , , , , , , , , , , , , , , , , , ,	Retain	retained and	
			protected.	
70	Sapium sebiferum	-	Not viable to be	Medium
78.		Remove	retained due to	
			rotained due to	

			proposed	
			development.	
	Lophostemon		Viable to be	Medium
81.	confertus	Retain	retained and	
			protected.	
0.2	Casuarina	Detelo	Viable to be	Medium
82.	cunninghamiana	Retain	retained and	
	O-Wintown with its line		viable to be	Marations.
83.	Callistemon viminalis	Retain	retained and	Medium
03.		Retain	protected.	
	Lanhastaman		Viable to be	Medium
84.	Lophostemon	Retain	retained and	Mediaiii
04.	confertus	rtotain	protected.	
	Eucalyptus saligna		Not viable to be	Medium
	Lucatypius saugna		retained due to	riculani
85.		Remove	proposed	
			development.	
	Lophostemon		Not viable to be	Medium
	confertus		retained due to	1.100.10.11
86.	comercus	Remove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
87.		Remove	retained due to	
		Kelllove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
88.		Remove	retained due to	
00.		Remove	proposed	
			development.	
	Eucalyptus saligna		Not viable to be	High
89.		Remove	retained due to	
			proposed	
			development.	10.1
	Eucalyptus saligna		Not viable to be	High
90.		Remove	retained due to	
			proposed development.	
	Fugglyntus saligns		Not viable to be	Lligh
	Eucalyptus saligna		retained due to	High
91.		Remove	proposed	
			development.	
	Lophostemon		Viable to be	High
95.	confertus	Retain	retained and	' ''8''
33.	Comentas		protected.	
	Corymbia citriodora		Viable to be	High
98.	,	Retain	retained and	
			protected.	
	Eucalyptus		Viable to be	High
99.	microcorys	Retain	retained and	
			protected.	

	Corymbia citriodora		Viable to be	High
100.	Corymbia citriodora	Retain	retained and	111611
100.		rtotairi	protected.	
	Eucalyptus		Viable to be	High
101.		Retain	retained and	I ligit
101.	sideroxylon	retain	protected.	
	Eucalyptus		Viable to be	High
102.		Retain	retained and	I ligii
102.	sideroxylon	retain	protected.	
	Eucalyptus scoparia		Viable to be	High
103.	Eucatyptus scopana	Retain	retained and	I ligii
103.		rtotairi	protected.	
	Eucalyptus		Viable to be	High
104.		Retain	retained and	I ligii
104.	sideroxylon	retain	protected.	
	Robinia pseudoacacia		Viable to be	Medium
105.	nobilila pseudoacacia	Retain	retained and	Medialli
105.		Retain	protected.	
	Pohinia negudoacacia		Viable to be	Medium
106.	Robinia pseudoacacia	Retain	retained and	Mediairi
100.		Retain	protected.	
	Robinia pseudoacacia		Viable to be	Medium
107.	Robiilia pseudoacacia	Retain	retained and	Mediairi
107.		Retain	protected.	
	Dahinia nagudagagaia		Viable to be	Medium
108.	Robinia pseudoacacia	Retain	retained and	Medium
108.		Retain	protected.	
	Robinia pseudoacacia		Viable to be	Medium
109.	nobilila pseudoacacia	Retain	retained and	Medialli
103.		rtotairi	protected.	
	Robinia pseudoacacia		Viable to be	Medium
112.	повінів рзециовсяста	Retain	retained and	Piedidili
112.		rtotairi	protected.	
	Robinia pseudoacacia		Viable to be	Medium
113.	Noomia pocadoacacia	Retain	retained and	T TOURIGHT
		· totalli	protected.	
	Robinia pseudoacacia		Viable to be	Medium
114.	nosina podadoada	Retain	retained and	, rodium
			protected.	
	Robinia pseudoacacia		Viable to be	Medium
115.		Retain	retained and	
_			protected.	
	Angophora costata		Viable to be	Medium
116.	1	Retain	retained and	
			protected.	
	Angophora costata		Viable to be	Medium
117.		Retain	retained and	
			protected.	
	Angophora costata		Viable to be	Medium
118.		Retain	retained and	
			protected.	
<u> </u>			1	

	Elaeocarpus kirtonii		Viable to be	Medium
119.	·	Retain	retained and	
			protected.	
	Callistemon viminalis		Viable to be	Medium
120.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
121.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
122.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
123.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
124.		Retain	retained and	
			protected.	
	Melaleuca armillaris		Viable to be	Medium
125.		Retain	retained and	
			protected.	
	Jacaranda mimosifolia		Viable to be	Medium
126.		Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
127.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
128.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
129.		Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
130.		Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
131.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
132.		Retain	retained and	
			protected.	
	Corymbia maculata		Viable to be	Medium
133.		Retain	retained and	
			protected.	
	Corymbia citriodora		Viable to be	Medium
134.		Retain	retained and	
			protected.	
	Melia azedarach		Viable to be	Medium
135.		Retain	retained and	
			protected.	

136.	Corymbia citriodora	Retain	Viable to be retained and	Medium
130.		rtotain	protected.	
	Calodendrum		Viable to be	High
159.	capense	Retain	retained and	
	•		protected.	
	Eucalyptus		Viable to be	High
160.	sideroxylon	Retain	retained and	
	-		protected.	
	Corymbia citriodora		Viable to be	Medium
161.		Retain	retained and	
			protected.	
	Corymbia citriodora		Viable to be	Medium
162.		Retain	retained and	
			protected.	
	Cinnamomum		Viable to be	Low
163.	camphora	Retain	retained and	
	·		protected.	
	Washingtonia robusta		Viable to be	Medium
164.		Retain	retained and	
			protected.	
	Plumeria rubra		Not viable to be	Medium
165.		Remove	retained due to	
103.		Remove	proposed	
			development.	

8.0	REF Deliverable Requirement Report	ting
Item	Trees and Landscaping	Relevant Section of Report
1.0	Has an Arboricultural Impact Assessment (AIA) been prepared to support the REF which assesses existing trees within the proposed works area, including street trees, and recommends tree protection measures for trees to be retained?	3.0 Existing Trees 9.0 Pre-Construction Tree Protection Measures 10.0 Site Management Issues 11.0 Tree protection Measures During Construction
2.0	Does the REF discuss the number, species, pot sizes and height of trees to be removed and trees to be planted?	Refer to Landscape Architects Design
3.0	Have any tree protection measures set out in the AIA been incorporated in: the design; REF mitigation measures; and the preliminary construction methodology?	

9.0 Pre-Construction Tree Protection Measures

9.1 General

All tree protection works shall be carried out before excavation, grading and site works commence. Tree protection works shall be inspected and approved by a Consulting Arborist meeting AQF Level 5 prior to construction works commencing.

Storage of materials, mixing of materials, vehicle parking, disposal of liquids, machinery repairs and refueling, site office and sheds, and the lighting of fires, stockpiling of soil, rubble or any debris shall not be carried out within the TPZ of existing trees. No backfilling shall occur within the TPZ of existing trees. Trees shall not be removed or lopped unless specific instruction is given in writing by the Superintendent.

9.2 Identification

All trees to be protected shall be clearly identified and all TPZs surveyed.

9.3 Project Arborist

Prior to all site works commencing, a Project Arborist is to be appointed with the responsibility of implementing all Tree Protection Measures in this report as well as compliance with AS4970-2009 Protection of Trees on Development Sites. The Site Arborist is to hold qualifications equivalent of AQF Level 5.

9.4 Protective Fence

Fencing is to be erected around existing trees to be retained. In addition to this protective fencing within the site, Protective Fencing is to be installed to the full extent of the TPZs within the site. This fencing is to be erected prior to any materials being brought on site or before any site, civil works or construction works commence. The fence shall enclose a sufficient area so as to prevent damage to the TPZ as defined on Appendix D Tree Protection Plan and as defined in 5.1 above. Fence to comprise 1800mm high chain wire mesh fixed to 50mm diameter Galvanised steel posts. Panels should be securely fixed top and bottom to avoid separation. No storage of building materials, tools, paint, fuel or contaminants and the like shall occur within the fenced area.

9.5 Mulching

Install mulch to the extent of all tree protection fencing. Use a leaf mulch conforming to AS 4454 which is free of deleterious and extraneous matter such as soil, weeds, sticks and stones and consisting of a minimum of 90% recycled content compliant with AS 4454 (1999) and AS 4419 (1998). All trees marked as to be removed on the proposed development are to be chipped and reused for this purpose. Place mulch evenly and to a depth of 100mm.

9.6 Signage

Prior to works commencing, tree protection signage is to be attached to each tree protection zone, displayed in a prominent position and the sign repeated at 10 metres intervals or closer where the fence changes direction. Each sign shall contain in a clearly legible form, the following information:

Tree protection zone.

 This fence has been installed to prevent damage to the trees and their growing environment both above and below ground and access is restricted.

- No Access within Tree Protection Zone
- The name, address, and telephone number of the developer.

The name and telephone number of the Site Arborist.

9.7 Trunk and Branch Protection

Where a tree is to be retained and a Tree Protection Zone cannot be adequately established due to restricted access, the trunk and branches in the lower crown will be protected by wrapping 2 layers of hessian or carpet underfelt around the trunk and branches for a minimum of 2 m or as lower branches permit, then metal strapping secures 38x50 x2000 mm timber battens together around the trunk (do not nail or screw to the trunk or branches). The number of battens to be used is as required to encircle the trunk and the battens are to extend to the base of the tree (AS4970 2009 Protection of trees on development sites, Figure 3 Examples of Trunk, Branch and ground protection).

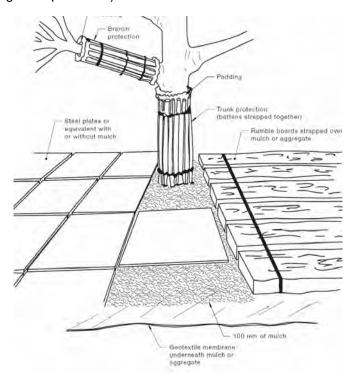


Figure 4 - Trunk Protection

10.0 Site Management Issues

10.1 Soil Compaction

Plant and pedestrian traffic during the construction period will cause significant soil compaction. This will be exacerbated by increased water expected on these soils as result of adjacent construction and weather. Compaction of the soil within the TPZ will reduce the voids between soil peds or particles therefore will reduce the gaseous exchange capacity of the root system which will slow critical metabolic processes. No pedestrian or plant access is permissible to the TPZ.

10.2 Site Access

Sufficient access is required to enable efficient construction. It is essential to delineate access zones or corridors which will provide suitable access without damaging the existing trees to be retained or causing compaction to the root zone.

10.3 Excavation within Tree Protection Area

No excavation is to be carried out within the TPZs of retained trees without the permission and supervision of the Site Arborist (AQF5)

10.4 Possible Contamination / Storage of Materials

The construction site will require the use of many chemicals and materials that are possible contaminants which if not managed will pose a risk to the existing trees. These possible contaminants include fuels, herbicides, solvents and the like. A site-specific Environmental Management Plan shall be provided, and this specific risk identified and addressed.

11.0 Tree Protection Measures During Construction

11.1 Maintenance of Pre-Construction Tree Protection Measures

The Pre-Construction Tree Protection Measures identified in 5.0 above are to be maintained in good and serviceable condition throughout the construction period.

11.2 Possible Contaminants

Do not store or otherwise place bulk materials and harmful materials under or near trees. Do not place spoil from excavations within the TPZs. Prevent wind-blown materials such as cement from harming trees. All possible contaminants are to be stored in a designated and appropriate area with secure chemical spill measures such as a bund in place.

11.3 Physical Damage

Prevent damage to tree. Do not attach stays, guys and the like to trees. No personnel, plant, machinery or materials are to be allowed within the tree protection fencing.

11.4 Compaction

No filling or compaction shall occur over tree roots zones within tree protection fenced areas. Where construction occurs close to or the TPZ of trees to be retained it shall be necessary to install protection to avoid compaction of the ground surface. This protection is to be planks supported clear of the ground fixed to scaffolding.

11.5 Trenching

No Trenching should be necessary within the TPZs or within tree protection fencing. No further trenching is to be carried out without the approval of the Site Arborist. Should any further trenching be required within the TPZs identified, this work is to be carried out by hand and under the supervision of a qualified Arborist.

11.6 Irrigation/Watering

Contractor is to ensure that soil moisture levels are adequately maintained. Apply water at an appropriate rate suitable for the species during periods of little or no rainfall.

11.7 Site Sheds / Amenities/ Storage

Site sheds, site amenities, ablutions and site storage shall be in the area clear of all TPZ. Chemicals and potential contaminants are to be stored appropriately and this storage area is to be enclosed by a chemical spill bund to prevent the potential run off of contaminants in the event of a spillage or accident.

12.0 References

Mattheck, C. Breloer, K. 1993, The Body Language of Trees: A Handbook for Failure Analysis, 12th Impression 2011 The Stationery Office.

AS4970-2009 Protection of Trees on Development Sites: Standards Australia

13.0 Disclaimer

This Appraisal has been prepared for the exclusive use of the Client and Birds Tree Consultancy.

Birds Tree Consultancy accepts no responsibility for its use by other persons. The Client acknowledges that this Appraisal, and any opinions, advice or recommendations expressed or given in it, are based on the information supplied by the Client and on the data inspections, measurements and analysis carried out or obtained Birds Tree Consultancy and referred to in the Appraisal. The Client should rely on the Appraisal, and on its contents, only to that extent.

Every effort has been made in this report to include, assess and address all defects, structural weaknesses, instabilities and the like of the subject trees. All inspections were made from ground level using only visual means and no intrusive or destructive means of inspection were used. For many structural defects such as decay and inclusions, internal inspection is required by means of Resistograph or similar. No such investigation has been made in this case. Trees are living organisms and are subject to failure through a variety of causes not able to be identified by means of this inspection and report.

Appendix A Landscape Significance

IACA Significance of a Tree, Assessment Rating System (STARS) © (IACA 2011) ©

In the development of this document IACA acknowledges the contribution and original concept of the Footprint Green Tree Significance & Retention Value Matrix, developed by Footprint Green Pty Ltd in June 2001.

The landscape significance of a tree is an essential criterion to establish the importance that a particular tree may have on a site. However, rating the significance of a tree becomes subjective and difficult to ascertain in a consistent and repetitive fashion due to assessor bias. It is therefore necessary to have a rating system utilising structured qualitative criteria to assist in determining the retention value for a tree. To assist this process all definitions for terms used in the *Tree Significance - Assessment Criteria* and *Tree Retention Value - Priority Matrix*, are taken from the IACA Dictionary for Managing Trees in Urban Environments 2009.

This rating system will assist in the planning processes for proposed works, above and below ground where trees are to be retained on or adjacent a development site. The system uses a scale of *High*, *Medium* and *Low* significance in the landscape. Once the landscape significance of an individual tree has been defined, the retention value can be determined.

Tree Significance - Assessment Criteria

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1. High Significance in landscape

- The tree is in good condition and good vigour;
- The tree has a form typical for the species;
- The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age;
- The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register;
- The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity;
- The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values;
- The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa *in situ* tree is appropriate to the site conditions.

2. Medium Significance in landscape

- The tree is in fair-good condition and good or low vigour;
- The tree has form typical or atypical of the species;
- The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area
- The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street,
- The tree provides a fair contribution to the visual character and amenity of the local area,
- The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa *in situ*.

3. Low Significance in landscape

- The tree is in fair-poor condition and good or low vigour;
- The tree has form atypical of the species;
- The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings,
- The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area,
- The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen,
- The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa in situ - tree is inappropriate to the site conditions,
- The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms.
- The tree has a wound or defect that has potential to become structurally unsound.

Environmental Pest / Noxious Weed Species

- The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties,
- The tree is a declared noxious weed by legislation.

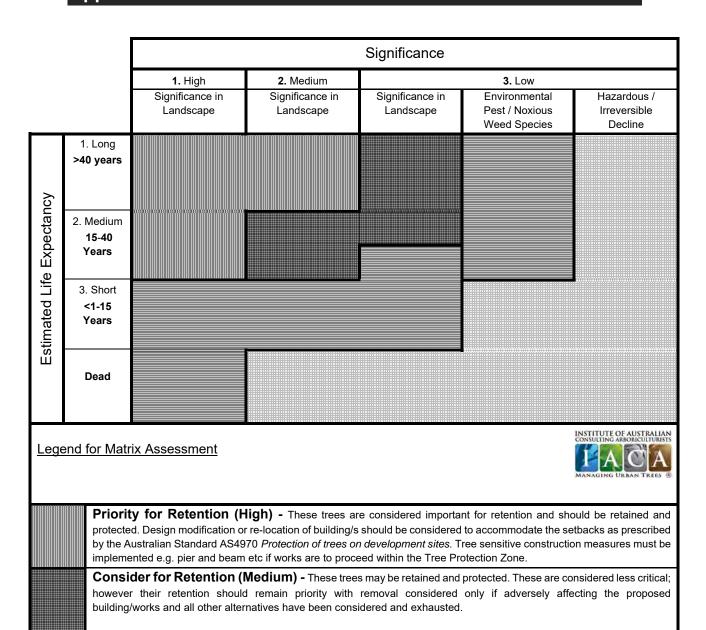
Hazardous/Irreversible Decline

- The tree is structurally unsound and/or unstable and is considered potentially dangerous,
- The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group.

Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.

Appendix B Tree Retention Values



REFERENCES

design modification to be implemented for their retention.

removed irrespective of development.

Australia ICOMOS Inc. 1999, The Burra Charter – The Australian ICOMOS Charter for Places of Cultural Significance, International Council of Monuments and Sites, www.icomos.org/australia

Consider for Removal (Low) - These trees are not considered important for retention, nor require special works or

Priority for Removal - These trees are considered hazardous, or in irreversible decline, or weeds and should be

Draper BD and Richards PA 2009, Dictionary for Managing Trees in Urban Environments, Institute of Australian Consulting Arboriculturists (IACA), CSIRO Publishing, Collingwood, Victoria, Australia.

Footprint Green Pty Ltd 2001, Footprint Green Tree Significance & Retention Value Matrix, Avalon, NSW Australia, www.footprintgreen.com.au

Appendix C - Tree Inspection Data

Birds Tree Consultancy

Consulting Arborist• Project Management • Horticultural Consultancy • Landscape Management

Inspection Date

2nd October 2024

Liverpool Boys and Girls High School

Site name 18 Forbes St, Liverpool NSW Address

Addres		18 Forbes S	t, Liverpoot	INOW																				
					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,		TPZ	Flare				Overall	Crown								Life	Landcape		
Tree		Common			multiple		Radius		SRZ radius				Distributio		Pruning		Pest	Canopy	Deadwoo	Enicormic		significanc	Patantian	
			l l a l what	0	1			· '			T A										expectanc			Nata
no.	Species	Name	Height	Spread(m)	(@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	a	Growth	У	е	Value	Notes
		Broad-																						
	Melaleuca	leaved										Good (70-	Symmetric								21-40	High	High	
			12			760	9.12	850	3.09	NIII	Mature	l '	ol		No Evidonos	No Evidence	No Fridance	Mormal	<5%	<5%				
21	quinquenervia	Paperbark	12	. 0		. 760	9.12	850	3.09	INIL	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Nomial	<5%	<5%	years			
i																								
i																						High	High	
	Corymbia	Spotted										Good (70-	Symmetric								21-40			
22	maculata	Gum	22	9) 1	480	5.76	550	2.57	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
i																								
	Corumbia	Spotted										Good (70	Symmetric								21-40	High	High	
	•	Spotted		_						ļ	l	· '	Symmetric .		l <u>-</u>	l -	l <u>-</u>	l		l				
23	maculata	Gum	23	7	1 1	. 420	5.04	550	2.57	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
																						11:	11:	
	Corymbia	Spotted										Good (70-	Symmetric								21-40	High	High	
	maculata	Gum	22	7	, 1	440	5.28	550	2.57	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
24	macutata	Ouiii		/		1 440	3.20	330	2.07	INIC	riature	73)	at	0000	IVO EVIGENCE	INO EVIDENCE	INO EVIDENCE	Normat	10 70	1070	years			
		Queenslan																				High	High	
	Lophostemon	d										Good (70-	Symmetric								21-40			
25	confertus	Brushbox	10	10) 1	. 480	5.76	700	2.85	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Queenslan																						
	Lophostemon	d										Good (70-	Symmetric								21-40	High	High	
		Bruchhov	10		,	450		550	2.57	NIII	Moturo	·	oyiiiiictiic	Cood	No Evidonos	No Evidence	No Evidonos	Normal	∠E0/	1				
20	confertus	Brushbox	10	•		. 450	5.4	550	2.57	INIL	Mature	79)	al	Good	No Evidence	No Evidence	NO Evidence	Nomial	\5%	<5%	years			
		Pepper –																						
		Tree,																						
		Peruvian																				High	High	
		Mastic			Multiple							Good (70-	Symmetric								21-40			
27	Schinus areira	Tree	12	14	Stems	883.9	10.61	900	3.17	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Jacaranda			<u> </u>			1	130	5.27				Symmetric			12 233333		1		1	21-40			
20		lacaranda	10	10		. 380	4.50	450	0.07	Niil	Mature		lal		No Evidonas	No Evidence	No Evidence	Normal	∠ 5 04	<5%		Medium	Medium	
28	mimosifolia	Jacaranda	10	10	<u>'l</u>	. 380	4.56	450	2.37	INIL	mature	79)	0 · ·		INO EVIUENCE	INO EVIUETICE	INO EVIUENCE	Normal	<5%	NO 70	years			
	Jacaranda									ļ	l		Symmetric								21-40	Medium	Medium	
29	mimosifolia	Jacaranda	10	10	+	. 340	4.08	450	2.37	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		White			Multiple							Good (70-	Symmetric								21-40	Medium	Medium	
30	Melia azedarach	Cedar	11	6	Stems	300	3.6	360	2.15	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Picululli	Picululli	
	Jacaranda											Good (70-	Symmetric								21-40			
31	mimosifolia	Jacaranda	8	12	1	500) 6	60	1.02	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
				 	 	330	1	30	1.52			/					1.0 2.740.700		1	1	,			
		Cabbage										Good (70	Symmetric								21-40	Modir	Madir	
00	Liviatana avetes!!-		4.0			_	, ,	,	INI/A	L.	Mat	·	1 -		Na Fridance	No Fridance	No Friday	No. was -1	-F0/	1		Medium	Medium	
32	Livistona australis	Tree Palm	13	4	<u> </u>	<u> </u>	<u>'</u>	0	N/A	Nil	Mature	79)	al	Good	NO Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			

	1	T			I - .			ln: .				T	1	1		1								
					Trunk			Diameter														Гт. 0		
					(single,		TD7	at Root														Env. &		
_					twin,		TPZ	Flare	0.07 1:				Crown		.							Landcape	D	
Tree		Common	l laidht	Conversed/ses	multiple		Radius	` ′	SRZ radius		Tues Ave		Distributio		Pruning	Defeate			Deadwoo	1 '	expectanc	significand		Notes
no.	Species	<u> </u>	Height	Spread(m)	(@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	a	Growth	У	е	Value	Notes
		Mediterra																				l		
	Cupressus	nean			_					l		1	Symmetric	ı	l <u>-</u>	l <u>-</u>		l			21-40	Medium	Medium	
33	sempervirens	Cypress	13	8	1	500	6	560	2.59	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Mediterra										0 1/70									04.40			
	Cupressus	nean	10			400	4.0	400	0.40	NI:I	Matura	1	Symmetric	ı	No Fridance	Na Fridance	No Fridance	No was al	ر <u>۲</u> ۵۷		21-40	Medium	Medium	
34	sempervirens	Cypress	12	2 6	1	400	4.8	480	2.43	NIL	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
2.5	Robinia			,	1	200	2.6	200	2 20	Nii	Moturo	1	Symmetric	ı	No Evidonos	No Fuidonos	No Evidonoo	Normal	∠E0/	∠E0/	21-40	Medium	Medium	
35	pseudoacacia Platanus x	London	9	/	1	300	3.6	380	2.20	INIL	Mature	79)	Symmetric		No Evidence	No Evidence	No Evidence	Nomial	<5%	<5%	years 21-40			
26	acerifolia	plane	19	16	1	700	8.4	800	3.01	Nii	Mature	1		ı	No Evidonco	No Evidonco	No Evidence	Normal	<5%	<5%		Medium	Medium	
30	Platanus x	London	19	10	1	700	0.4	800	3.01	INIL	Mature	79)	Symmetric		NO EVIUETICE	No Evidence	INO Evidence	Nomiat	\3%	\3%	years 21-40			
37	acerifolia	plane	17	, 12	1	470	5.64	550	2.57	Nil	Mature	79)	1 -	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
37	Platanus x	London	1/	12	1	470	3.04	330	2.57	IVIC	riature		Symmetric		INO EVIDENCE	INO EVIDENCE	INO EVIDENCE	Normat	\370	370	21-40			
38	acerifolia	plane	17	12	1	380	4.56	450	2.37	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	Platanus x	London	1	12	_	000	4.00	400	2.07	1410	riatare		Symmetric		IVO EVIGENCE	TVO EVIGENCE	IVO EVIGENCE	Nonnac	1070	1070	21-40			
39	acerifolia	plane	15	, g	1	410	4.92	550	2.57	Nil	Mature	79)	1 -	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	Platanus x	London	1			110	1.02	000	2.07	1410	riataro		Symmetric		TTO EVICACION	TTO EVIGORIO	THE EVIGENCE	rtonnat	1070	1070	21-40			
40	acerifolia	plane	14	1 12	1	360	4.32	450	2.37	Nil	Mature	79)	1 -	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		Lemon-					1					, ,	-							1	,			
	Corymbia	scented										Good (70-	Symmetric								21-40	High	High	
	citriodora	Gum	24	1 16	1	870	10.44	950	3.24	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	16		
												,												
																								Prominent swelling at base
																						High	I High	indicative of decay evidence.
		Mugga,																				1 "6"	111811	Recommend TRAQ level 3
	Eucalyptus	Red											Symmetric		l	Decay				1	21-40			risk assessment to determine
42	sideroxylon	Ironbark	17	11	1	550	6.6	750	2.93	Nil	Mature	79)	al	Good	No Evidence	Evidence	No Evidence	Normal	<5%	<5%	years			viability for retention
																								Evidence of decay and cavity
																						High	High	in second order junction at
																						1		approximately 8m.
		Lemon-														Cavity,								Recommend TRAQ Level 3
	Corymbia	scented										1	Symmetric	ı	l	Decay					21-40			risk assessment to determine
43	citriodora	Gum	24	16	1	810	9.72	950	3.24	Nil	Mature	79)	al	Good	No Evidence	Evidence	No Evidence	Normal	<5%	<5%	years			viability for retention
		Mugga,																						
		Red]						ļ		1	Symmetric	ı				<u>.</u>			21-40	High	High	
44	sideroxylon	Ironbark	15	5 11	1	480	5.76	600	2.67	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Conmbis	Lemon-										0004/70	Cuma ma a tuit e								01.40	ļ ,		
,-	Corymbia	scented	47	,	_	F70	0.04	050	0.70	Nii	Moture	1	Symmetric	ı	No Evidones	No Evidon	No Evidones	Normal	< F0/		21-40	High	High	
45	citriodora	Gum	17	12		570	6.84	650	2.76	INIL	Mature	79)	dl	Good	INO EVIdence	INO Evidence	No Evidence	ivormat	<5%	<5%	years			

					Trunk			Diameter																
					Trunk (single,			Diameter at Root														Env. &		
					twin,		TPZ	Flare				Overall	Crown									Landcape		
Tree		Common			multiple		Radius		SRZ radius				Distributio		Pruning		Pest	Canopy	Deadwoo	Epicormic		1	Retention	
no.	Species	Name	Height	Spread(m)	@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	d	Growth	у	е	Value	Notes
		White			Multiple							Good (70-	Symmetric								21-40	Madium	Madium	
46	Melia azedarach	Cedar	11	g	Stems	399.1	4.79	450	2.37	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		Lemon-																						
	Corymbia	scented								l		1 '	Symmetric		l <u>-</u>	l <u>-</u>		l			21-40	High	High	
47	citriodora	Gum	19	12	2	1 620	7.44	750	2.93	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Sydney										Good (70-	Symmetric								21-40	High	High	
48	Eucalyptus saligna	1 -	23	12	,	1 520	6.24	700	2.85	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Iligii	l ligh	
	Eucalyptus				Multiple	1 020	<u> </u>	700			i iutui o	,	Symmetric			110 211001100	Tro Evidence		1		21-40			
	microcorys	Tallowood	20	14	Stems	542	6.5	630	2.73	Nil	Mature	79)	al	1	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		Queenslan																				Medium	Medium	
	Lophostemon	d	_		Multiple		_					1	Symmetric		l <u>-</u>	l <u>-</u>		l		1	21-40	- rourann	riodiaiii	
50	confertus	Brushbox	7	3	Stems	153	2	250	1.85	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Sydney										Good (70	Symmetric								21-40	High	High	
51	Eucalyptus saligna	1 -	23	12	,	1 560	6.72	750	2.93	Nil	Mature	79)	al	1	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Iligii	l ligh	
		Diag Gain				1 000	0.72	700			a.a.	1.07			110 211001100	110 211001100	TTO EVICEONO		1 070	0.0) out o			
																								Moderate apical dieback.
																								Significant cambium damage
																						High	l High	at base. Potential evidence of
																						1 11811		decay. Recommend TRAQ
												F : (00									04.40			level 3 risk assessment to
52	Eucalyptus saligna	Sydney Blue Gum	23	12	,	1 510	6.12	600	2.67	Niil	Mature	Fair (60- 69)	Symmetric	1	No Evidence	No Evidence	No Evidence	Thinning	150/	5 < 5%	21-40 years			determine the viability of retention.
32	Eucatyptus satigna	Blue Guill	23	12	<u>- </u>	1 510	0.12	000	2.07	INIL	Mature	09)	at	Good	INO EVIDENCE	INO EVIDENCE	INO EVIUEIICE	Hilling	15%	370	years			retention.
		Broad-																						
	Melaleuca	leaved										Good (70-	Symmetric								21-40	Medium	Medium	
53	quinquenervia	Paperbark	15	9)	1 420	5.04	500	2.47	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Broad-																				Medium	Medium	
	Melaleuca	leaved	10				7.50	700	0.05	NI:I	M-4	1 '	Symmetric	1	No Fridance	Na Fridance	Na Fridance	N 1	4F0/		21-40			
54	quinquenervia	Paperbark Weeping	16	8	3	1 630	7.56	700	2.85	NIL	Mature	79)	at	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Callistemon	Bottlebrus										Good (70-	Symmetric								21-40	Medium	Medium	
	viminalis	h	4	. 5	j :	1 220	2.64	280	1.94	Nil	Mature	79)	al	1	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
																					-			
		Sydney										Good (70-	Symmetric								21-40	High	High	
56	Eucalyptus saligna	Blue Gum	23	14	1 :	1 590	7.08	650	2.76	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		0										0.5 = 1.7=2	0								04.40	1.00 -4		
	Eucalyptus saligna	Sydney Blue Gum	23	14	, ,	1 870	10.44	950	3.24	Nii	Mature	Good (70- 79)	Symmetric	Good	No Evidonos	No Evidonos	No Evidence	Normal	<5%	<5%	21-40 years	High	High	
5/	Lucatyptus satigiid	Narrow-	23	14	<u>' </u>	0/0	10.44	950	3.24	INIL	riatule	13)	at	3000	INO EVIDENCE	INO EVIUEITCE	INO EVIUENCE	inomilat	N 70	N 370	years	 		
		leaved										Good (70-	Symmetric								21-40	High	High	
58	Eucalyptus crebra	Ironbark	20	16	3 :	1 560	6.72	700	2.85	Nil	Mature	79)	al	1	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Wallangar																				Medium	Medium	
	Eucalyptus	ra White			Multiple							1 `	Symmetric	l							21-40	I lealuill	i icululli	
59	scoparia	Gum	13	8	Stems	300	3.6	400	2.25	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Broad-																						
	Melaleuca	leaved										Good (70-	Symmetric								21-40	Medium	Medium	
		Paperbark	12	ç		1 640	7.68	750	2.93	Nil	Mature	79)	1		No Evidence	No Evidence	No Evidence	Normal	<5%		years			
	Tamada on or via	I. apolouik			1	1 340	, .00	1 ,30	1 2.00	I	1	1, 5,	<u> </u>	1	Line	Line	Lindelide		1 70	1 5,0	1,54.5	1	<u> </u>	

					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,		TPZ	Flare				Overall	Crown								Life	Landcape		
Tree		Common			multiple		Radius	(DRF)	SRZ radius			Health &	Distributio		Pruning		Pest	Canopy	Deadwoo	Epicormic	expectanc	significanc	Retention	
no.	Species	Name	Height	Spread(m)	@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	d	Growth	у	е	Value	Notes
					Multiple							Good (70-	Symmetric								21-40			
61 H	Hibiscus spp		4		Stems	230	2.76	320	2.05	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	1	years	Medium	Medium	
		Weeping										,												
	Callistemon	Bottlebrus										Good (70-	Symmetric								21-40	Medium	Medium	
	viminalis	h	6	5	1	250	3	300	2.00	Nil	Mature	79)	al	l	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	i iodiaiii	l rourann	
- 52 .	······································	Weeping				200			2.00		- rataro	, 0,		ooou	TTO EVIGORIO	TTO EVICIONO	Tro Evidorios	rtonnat	1070	1070	youro			
	Callistemon	Bottlebrus			Multiple							Good (70-	Symmetric								21-40	Medium	Medium	
	viminalis	h	_		Stems	320	3.84	380	2.20	Nii	Mature	79)	oyiminetiic	l	No Evidonos	No Evidonos	No Evidence	Normal	<5%			Mediaiii	Medium	
03 1	viiiiiiaus	Weeping		4	Stems	320	3.04	300	2.20	INIL	Mature	79)	aı	Good	NO EVIDENCE	No Evidence	INO EVIDENCE	Nomiat	\370	NO NO	years			
],	Callistaman				Multiple							Cood /70	Cummatria								21.40	Modium	Modium	
	Callistemon	Bottlebrus			Multiple	000	0.0	050	0.40	Nii	Matura		Symmetric	Cood	No Fuidance	No Evidon	No Evidence	Normani	ZE0/		21-40	Medium	Medium	
64 \	viminalis	[]	1 6) 4	Stems	300	3.6	350	2.13	INIL	Mature	79)	dl	Good	INO EVIGENCE	INO EVIGENCE	No Evidence	inormat	<5%	<5%	years			
	O 111 1	Weeping										0 1/70									04.40			
	Callistemon	Bottlebrus			Multiple								Symmetric		l		l	ļ			21-40	Medium	Medium	
65 v	viminalis	h	6	6	Stems	350	4.2	380	2.20	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Weeping																						
	Callistemon	Bottlebrus			Multiple								Symmetric								21-40	Medium	Medium	
66 v	viminalis	h	4	5	Stems	240	2.88	300	2.00	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Broad-																				Medium	Medium	
١	Melaleuca	leaved										Good (70-	Symmetric								21-40	Medium	Medium	
67 c	quinquenervia	Paperbark	19	8	1	670	8.04	750	2.93	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Weeping																						
C	Callistemon	Bottlebrus			Multiple							Good (70-	Symmetric								21-40	Medium	Medium	
68 v	viminalis	h	5	5	Stems	350	4.2	420	2.30	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
												Good (70-	Symmetric								21-40	Madium	Madium	
70 (Grevillea robusta	Silky Oak	16	9	1	470	5.64	550	2.57	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		Pepper																						
		Tree,																						
		Peruvian																				Medium	Medium	
		Mastic										Good (70-	Symmetric								21-40			
71 5	Schinus areira	Tree	14	1 11	1	490	5.88	560	2.59	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	. ,	NSW			<u> </u>	13	2.50					- ,							1		,			
(Ceratopetalum	Christmas										Good (70-	Symmetric								21-40	Medium	Medium	
	gummiferum	Bush	5	i 4	.] 1	160	2	2500	4.86	Nil	Mature	79)	al	l	No Evidence	No Evidence	No Evidence	Normal	<5%	1	years			
, - [8	<u></u>	200.1	†	1	<u> </u>	100		2000	1,50			. • ,			2.1001100	1.10 2.11001100			1	1 370	,			
		Queenslan																						
	Lophostemon	d										Good (70-	Symmetric								21-40	Medium	Medium	
	confertus	Brushbox	10			490	5.88	550	2.57	Nil	Mature	79)	lal	l	No Evidence	No Evidence	No Evidence	Normal	<5%					
700	Comercus	Chinese	10	9	-	490	3.68	550	2.57	INIL	riatuie	,	Symmetric		NO EVIGENCE	INO EVIUEITE	INO EVIGENCE	ivoilliat	N 3 70		years 21-40			
77 1	Ulmus parvifolia	Elm	13	12		460	5.52	550	2.57	Nil	Mature	79)	al	l	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	outius parvitolia	Cuii	13	' 13	1	460	5.52	330	2.37	INIC	riature	19)	lar.	Good	INO Evidence	ING EVIGETICE	ING EVIGENCE	INOTHIAL	\370	N 370	years			

					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,		TPZ	Flare					Crown								Life	Landcape		
Γree		Common			multiple		Radius	(DRF)	SRZ radius		T		Distributio		Pruning				Deadwoo	Epicormic	expectanc	significanc		
10.	Species		Height	Spread(m)	(@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	d	Growth	У	е	Value	Notes
		Chinese Tallow										Good (70	Symmetric								21-40	Medium	Medium	
78	Sapium sebiferum		8	6	1	230	2.76	340	2.10	Nil	Mature	79)	1 -	Good	No Evidence	No Evidence	No Evidence	Normal	<5%		years	Medium	Medium	
, 0		1100		, i		200	2.70	0.10	2.10	1111	riataro	707	at .	0000	TTO EVICENCE	TTO EVICENCE	TVO EVIGORIOS	Nominat	1070	3070	youro			
		Queenslan																				Modium	Modium	
	Lophostemon	d										Good (70-	Symmetric	1						1	21-40	Medium	Medium	
81	confertus	Brushbox	7	7	1	. 290	3.48	360	2.15	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Casuarina											Cood (70	Cuma ma atria								01 40	Madium	Madium	
	Casuarina cunninghamiana	River Oak	14	7	1	300	3.6	380	2.20	Nil	Mature	79)	Symmetric	Good	No Evidence	No Evidence	No Evidence	Normal	<5%		21-40 years	Medium	Medium	
02	camingnamana	Weeping	17	,		. 000	0.0	000	2.20	TVIC	riatare	70)	at .	0000	IVO EVIGENCE	IVO EVIGENCE	TVO EVIGENCE	Nominat	1070	1070	years			
	Callistemon	Bottlebrus										Good (70-	Symmetric								21-40	Medium	Medium	
83	viminalis	h	5	5	1	. 280	3.36	350	2.13	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Lophostemon	Queenslan										Cood (70	Symmetric								21-40	Medium	Medium	
	confertus	Brushbox	11	8	1	300	3.6	380	2.20	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
<u> </u>		D. do. i.b ox			_		0.0		1		- rataro	1.07		-		110 211001100		- Tomac			, , , , ,			
		Sydney										Good (70-	Symmetric								21-40	Medium	Medium	
85	Eucalyptus saligna	Blue Gum	20	10	1	. 440	5.28	550	2.57	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		0																						
	Lophostemon	Queenslan										Good (70-	Symmetric								21-40	Medium	Medium	
	confertus	Brushbox	14	9	1	420	5.04	500	2.47	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	1	years			
		Sydney											Symmetric	I						1	21-40	High	High	
87	Eucalyptus saligna	Blue Gum	18	8	1	360	4.32	450	2.37	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Sydney			Multiple							Good (70-	Symmetric								21-40	High	High	
88	Eucalyptus saligna		12		Stems	260	3.12	350	2.13	Nil	Mature	79)	1 '	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	1 11811	1 11811	
	<u> </u>																							
		Sydney										1	Symmetric							1	21-40	High	High	
89	Eucalyptus saligna	Blue Gum	19	9	1	. 320	3.84	400	2.25	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Sydney										Good (70-	Symmetric								21-40	High	High	
90	Eucalyptus saligna	1 ' '	18	9	1	300	3.6	380	2.20	Nil	Mature	79)	1 '	Good	No Evidence	No Evidence	No Evidence	Normal	<5%		years			
		Sydney								<u> </u>	l		Symmetric	l						1	21-40	High	High	
91	Eucalyptus saligna	Blue Gum	20	8	1	. 310	3.72	350	2.13	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	-		
		Queenslan																						
	Lophostemon	d										Good (70-	Symmetric								21-40	High	High	
	confertus	Brushbox	14	10	1	. 540	6.48	600	2.67	Nil	Mature	79)	al	1	No Evidence	No Evidence	No Evidence	Normal	<5%		years			
		Lemon-																						
	Corymbia	scented		4.0		000		200	0.01	l I	Meturia		Symmetric	l	No Friday	No Evid-	No Friday	Nows -'	νE0/	1	21-40	High	High	
	citriodora Eucalyptus	Gum	25	13	1	600	7.2	680	2.81	MIL	Mature	79) Good (70-	Symmetric	Good	INO EVIGENCE	INO EVIGENCE	No Evidence	ivormal	<5%		years 21-40	-		
	microcorys	Tallowood	22	16	1	780	9.36	850	3.09	Nil	Mature	79)	al	l	No Evidence	No Evidence	No Evidence	Normal	<5%		years	High	High	
	,	Lemon-										<u> </u>									-			
	Corymbia	scented								<u> </u>			Symmetric	l						1	21-40	High	High	
100	citriodora	Gum	24	16	1	670	8.04	750	2.93	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	ļ		

	•				I= .			I	T															
					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,		TPZ	Flare					Crown									Landcape		
Γree		Common			multiple		Radius	(DRF)	SRZ radius			Health &	Distributio		Pruning			Canopy	Deadwoo	1.	expectanc	significand		
10.	Species	Name	Height	Spread(m)	@)	DBH (mm)	(m)	(mm)	(m)	Trunk lean	Tree Age	Vigour	n	Structure	History	Defects	Infestation	Density	d	Growth	У	е	Value	Notes
		Mugga,																						
	Eucalyptus	Red										Good (70-	Symmetric								21-40	High	High	
101	sideroxylon	Ironbark	24	14	1	540	6.48	600	2.67	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Mugga,																						
	Eucalyptus	Red										Good (70-	Symmetric								21-40	High	High	
102	sideroxylon	Ironbark	24	14	1	580	6.96	650	2.76	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Wallangar																				High	High	
	Eucalyptus	ra White										Good (70-	Symmetric	1							21-40	1.1.6.1	18	
103	scoparia	Gum	20	14	1	600	7.2	700	2.85	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Mugga,																						
	Eucalyptus	Red								<u> </u>	<u> </u>		Symmetric	1							21-40	High	High	
	sideroxylon	Ironbark	24	1 15	1	790	9.48	860	3.11	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia												Symmetric	1							21-40	Medium	Medium	
	pseudoacacia		10	8	1	380	4.56	450	2.37	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia											1	Symmetric	1							21-40	Medium	Medium	
	pseudoacacia		10	8	3 1	350	4.2	400	2.25	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia												Symmetric	1							21-40	Medium	Medium	
	pseudoacacia		9	8	3 1	240	2.88	290	1.97	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia											1	Symmetric								21-40	Medium	Medium	
	pseudoacacia		10	7	1 1	250	3	350	2.13	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia											1	Symmetric	1							21-40	Medium	Medium	
	pseudoacacia		10	8	1	410	4.92	500	2.47	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia											1	Symmetric	1						1	21-40	Medium	Medium	
	pseudoacacia		10	7	1 1	170	2.04	240	1.82	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia												Symmetric	1							21-40	Medium	Medium	
	pseudoacacia		11	L 8	3 1	270	3.24	340	2.10	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia] _						.	<u>.</u> .		Symmetric	1				. .	.501	.50	21-40	Medium	Medium	
	pseudoacacia		11	LJ 8	1	330	3.96	390	2.23	INIL	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Robinia			,		222		222		L.		1	Symmetric	1	No Fede	No Fold	No Frida	NI	4504	,F0;	21-40	Medium	Medium	
115	pseudoacacia		10	<u> </u>) 1	300	3.6	380	2.20	INIL	Mature	79)	al	Good	INO EVIDENCE	INO EVIDENCE	No Evidence	Normal	<5%	<5%	years			
		Cudno																						
		Sydney																						
		Red Gum,																				Medium	Medium	
		Smooth-										0 = = 1 (70	0								04.40			
440	Angonhanasata	barked] .	0.40	4.00	400		L L	Maturi		Symmetric	1	No Full-III	No Friday	No Friday	Norms s.	,E0/		21-40			
116	Angophora costata	Apple	14	<u> </u>	i 1	340	4.08	400	2.25	INIL	Mature	79)	al	Good	INO EVIDENCE	INO EVIDENCE	No Evidence	Normal	<5%	<5%	years			
		Sydnov																						
		Sydney																						
		Red Gum,																				Medium	Medium	
		Smooth-										Good /70	Cummatria								21 40			
117	Angonhoro costata	barked	1.4		,	240	4.00	400	0.05	Nii	Matura	1	Symmetric	1	No Evidence	No Evidonos	No Evidence	Normal	∠ 5 04		21-40			
11/	Angophora costata	Apple	14	<u> </u>	<u>'</u>	340	4.08	400	2.25	INIL	Mature	79)	al	Good	INO Evidence	INO Evidence	No Evidence	INOTHIAL	<5%	<5%	years			

					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,			Flare				Overall	Crown									Landcape		
Tree		Common			multiple		Radius		SRZ radius				Distributio		Pruning		Pest	Canopy	Deadwoo	Epicormic			Retention	
	Species		Height	Spread(m)		DBH (mm)		` '		Trunk lean	Tree Age	Vigour	n	Structure	_			Density	d	Growth	V	e		Notes
							(***)		(***)															
		Sydney																						
		Red Gum,																						
		Smooth-																				Medium	Medium	
		barked										Good (70-	Symmetric								21-40			
118	Angophora costata	Apple	14	9	1	330	3.96	400	2.25	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	1	years			
	Elaeocarpus	White										Good (70-	Symmetric								21-40	Medium	Medium	
119	kirtonii	Quondong	6	3	1	110	2	150	1.49	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Weeping																						
	Callistemon	Bottlebrus			Multiple							Good (70-	Symmetric	1							21-40	Medium	Medium	
120	viminalis	h	5	3	Stems	85.4	2	120	1.36	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		bracelet																						
		Honey-																						
		myrtle,																				l		
		needle-																				Medium	Medium	
	Malal	leaved											0								04.46			
	Melaleuca	Honey-	40		Multiple	0540	0.00	200	101	L I	Matrice	1	Symmetric	1	No Frida	No Frider	No Frieden	Morrost	ζ Ε 0′	1	21-40			
121	armillaris	myrtle	10	5	Stems	254.6	3.06	280	1.94	INIL	Mature	79)	al	Good	INO EVIGENCE	No Evidence	No Evidence	inormal	<5%	<5%	years			
		bracelet																						
		Honey-																						
		myrtle,																				Modium	Modium	
		needle- leaved																				Medium	Medium	
	Melaleuca	Honey-			Multiple							Good (70-	Symmetric								21-40			
	armillaris	myrtle	10		Stems	242.1	2.91	280	1.94	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	1	years			
122	arrintaris	bracelet	10		Otems	242.1	2.01	200	1.04	TVIC	riatare	73)	ut	Ooou	IVO EVIGENCE	TVO EVIGENCE	TVO EVIGENCE	Nominat	1070	1070	years			
		Honey-																						
		myrtle,																						
		needle-																				Medium	Medium	
		leaved																						
	Melaleuca	Honey-			Multiple							Good (70-	Symmetric								21-40			
123	armillaris	myrtle	11	6	Stems	226.7	2.72	260	1.88	Nil	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		bracelet																						
		Honey-																						
		myrtle,																						
		needle-																				Medium	Medium	
		leaved																						
	Melaleuca	Honey-			Multiple								Symmetric							1	21-40			
124	armillaris	myrtle	10	5	Stems	220.2	2.64	250	1.85	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		bracelet 																						
		Honey-																						
		myrtle,																				 	,	
		needle-																				Medium	Medium	
	Molalouga	leaved										Good (70	Cummetrie								21 40			
	Melaleuca	Honey-	8			100		240	1.82	Nii	Matura	1	Symmetric	1	No Evidonas	No Evidonos	No Evidonos	Normal	< 5 04		21-40			
	armillaris Jacaranda	myrtle	*	+ 4		160		240	1.82	INIL	Mature	79) Fair (60-	Symmetric		INO EVIUETICE	INO EVIUEITOE	No Evidence	ivoillat	<5%	+	years 21-40	-		
	nimosifolia	Jacaranda	16	0	1	410	4.92	500	2.47	Niil	Mature	Fair (60- 69)			No Evidence	No Evidence	No Evidence	Normal	<5%	1	years	Medium	Medium	
	Corymbia	Spotted	10	9	<u> </u>	410	4.32	300	2.4/	INIC	Talule	,	Symmetric		INO ENINCHICE	INO EVIUEIICE	INO EVIUEIICE	ivoillat	1070		21-40			
	maculata	Gum	22	, a	1	370	4.44	450	2.37	Nil	Mature	79)	1	1	No Evidence	No Evidence	No Evidence	Normal	<5%	1	years	Medium	Medium	
		1				1 3,0	J	1	2.07	1	1	1,	1	1	1		Listande		1 - / "	1 - "	1, 53.5	ļ		

					Trunk			Diameter																
					(single,			at Root														Env. &		
					twin,		TPZ	Flare				Overall	Crown									Landcape		
Tree		Common			multiple		Radius		SRZ radius			Health &	Distributio		Pruning		Pest	Canopy	Deadwoo	Epicormic	expectanc		Retention	
	Species	Name	Height	Spread(m)		DBH (mm)		(mm)		Trunk lean	Tree Age	Vigour	n	Structure	_			Density	d	Growth	V	е	Value	Notes
	Corymbia	Spotted			<i>C</i> /		,	,	,		0	+	Symmetric								21-40			
	maculata	Gum	21	8	1	290	3.48	330	2.08	Nil	Mature	79)	al	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		White										•	Symmetric							+	21-40			
130	Melia azedarach	Cedar	10	7	1	110	2	200	1.68	Nil	Mature	79)	al	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
		White			Multiple							Good (70-	Symmetric								21-40	Maraliana	Maraliana	
131	Melia azedarach	Cedar	10	9	Stems	269.1	3.23	350	2.13	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	Corymbia	Spotted										Good (70-	Symmetric								21-40	Medium	Medium	
132	maculata	Gum	22	14	1	140	2	200	1.68	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Mediuiii	Mediuiii	
	Corymbia	Spotted										Good (70-	Symmetric	ı							21-40	Medium	Medium	
133	maculata	Gum	22	12	1	670	8.04	750	2.93	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	ricalani	1 louidill	
		Lemon-																						
	Corymbia	scented								l			Symmetric	ı			l	l			21-40	Medium	Medium	
134	citriodora	Gum	20			380	4.56	450	2.37	Nil	Mature	79)	al	-	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
405	Malia	White			Multiple	101	0.00	000	4 70	NI:	M-4	,	Symmetric	l	No Fridance	No Fridance	No Fridance	N 1	4F0/	4F0/	21-40	Medium	Medium	
135	Melia azedarach	Cedar	6	6	Stems	191	2.29	230	1.79	NIL	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Corymbia	Lemon- scented										Cood (70	Symmetric								21-40	Medium	Medium	
	citriodora	Gum	19	a	1	350	4.2	450	2.37	Nii	Mature	79)	1 -	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	Calodendrum	Cape	13		Multiple	330	4.2	430	2.57	INIC	riature	 	Symmetric		NO EVIDENCE	INO EVIDENCE	INO EVIDENCE	Nomiat	\370	1370	21-40			
	capense	Chestnut	10		Stems	418.8	5.03	450	2.37	Nil	Mature	79)	al	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
	Сарсто		1			1						1.57								1	, , , , ,			Crack/structural defect
		Mugga,														Crack,								visible at approximately 10m.
	Eucalyptus	Red										Good (70-	Symmetric			Decay					21-40	High	High	Recommend TRAQ level 3
160	sideroxylon	Ironbark	23	14	1	660	7.92	750	2.93	Nil	Mature	79)	al		No Evidence		No Evidence	Normal	<5%	<5%	years			risk assessment
		Lemon-																						
	Corymbia	scented										Good (70-	Symmetric							1	21-40	Medium	Medium	
161	citriodora	Gum	20	14	1	670	8.04	750	2.93	Nil	Mature	79)	al	Good	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
		Lemon-																						
	Corymbia	scented										1	Symmetric	ı						1	21-40	Medium	Medium	
	citriodora	Gum	21	16	1	620	7.44	700	2.85	Nil	Mature	79)	al		No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years			
	Cinnamomum	Camphor		_			_	400	4.6-		Semi		Symmetric	ı	No Fort	Nie Fod I	No Face		.50/	.50/	40	Low	Low	
	camphora	Laurel	9	5	1	140	2	190	1.65	NII	Mature	79)			No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	40+ years			
	Washingtonia		14				0	_		Nil	Matura	79)	Symmetric	ı	No Evidonos	No Evidonos	No Evidones	Normal	<5%	<5%	21-40	Medium	Medium	
104	robusta		14	5	-	<u> </u>		"		INIL	Mature	<u> </u>	Symmetric		INO EVIUETICE	NO EVIUEITCE	No Evidence	INUIIIIdl	1 5 70	\3%	years 21-40	-		
165	Plumeria rubra	Franginani	,	6		233.5	2.8	280	1.94	Nil	Mature	79)	-	ı	No Evidence	No Evidence	No Evidence	Normal	<5%	<5%	years	Medium	Medium	
100	r turricila rubia	Frangipani	<u>'l /</u>	, b	<u> </u>	233.3	2.8	200	1.94	INIC	Platule	[/3]	Jai	Jour	INO EVIDENCE	INO EVIGENCE	INO EVIDENCE	inomiat	NJ 70	NO 70	years	ļ		

Appendix D - Tree Location Plan

