

ARBORICULTURAL
IMPACT
ASSESSMENT

Quarter sessions Road, Westleigh.

Prepared for: Hornsby Council

Prepared by: Australian Tree Consultants

Date: December 28, 2019.



Executive Summary

The proposed development at Westleigh Park and Sydney Water Thornleigh Reservoir includes the construction of a roadway in one of two locations, either within Westleigh Park or within the Sydney Water property adjacent.

The site is home to several threatened species and five vegetation communities, including;

- Sydney Turpentine Ironbark Forest (Critically Endangered Ecological Community)
- Duffy's Forest (Endangered Ecological Community)
- Scribbly Gum Open Woodland
- Bloodwood Scribbly Gum Woodland
- Peppermint Angophora Forest

The presence of the first four (4) of these communities was confirmed by the species which were dominating the collection data and associated understorey plants and shrubs which were not captured as part of this assessment.

The scope of this assessment was to survey all trees within ten (10) metres of the edge of the existing track or the existing vegetation line.

A total of six hundred and thirty-five trees were surveyed as part of this assessment.

A total of five (5) trees (47-48-260-417-541) contained hollows which may have the potential to provide current or future nesting opportunities for native birds or arboreal mammals.

Detailed maps showing tree numbers and tree protection zones will be provided in separate files, along with Excel spreadsheets with coordinates that can be uploaded into CAD files if so desired during the design process.

The current designs are at concept stage and are lacking in sufficient detail to allow all of the impacts to be fully assessed at this time. Once the designs have been finalised and construction drawings have been prepared, the findings of this report should be cross-checked to ensure accuracy of information.

Generic tree protection measures are provided in Appendix 2.

A site-specific tree protection plan will also need to be compiled to specify the tree protection requirements relative to each tree to be retained, once designs have been finalised.



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_	4- Pie chart showing the tree AZ ratings allocated to the surveyed trees	
•	5- The figure above shows the total number of each tree species identified on site	



Introduction

Australian Tree Consultants Pty Ltd have been engaged by Hornsby Council to provide an Arboricultural Impact Assessment (AIA) in relation to the feasibility of constructing a roadway in either of two (2) proposed locations shown in figure 1 below.

The Arboricultural Impact Assessment will be limited to the following scope, provided by the client:

Assessment data required:

- Number each tree affix a suitable horticultural aluminium tag with a number to each tree to be assessed, in a manner which can be easily identified by Council's Surveyor.
- Identify each species.
- Determine the following for each tree:
 - Height
 - o Trunk diameter (DBH)
 - Crown spread
 - Vigour Good, Normal, Fair, Poor
 - Condition Rating 1 (dead or declining),2,3,4,5 (excellent)
 - Structural Root Zone (SRZ) (Trees rated 3,4,5)
 - Tree Protection Zone (TPZ) (Trees rated 3,4,5)
 - Safe Useful Life Expectancy (SULE) (Trees rated 3,4,5)
 - o Presence of tree hollows potentially suitable for wildlife use.



 $\textit{Figure 1-Image showing the areas to be surveyed marked in red. Image provided by \textit{Hornsby Council.}\\$



Methodology

An initial site visit was conducted on Thursday 24th October 2019 to inspect the site and clarify the scope of the assessment.

Subsequent visits were conducted in November and December to collect all of the relevant data.

Assessment was undertaken of all trees within the prescribed areas shown in figure 1 and any larger trees outside the prescribed areas which may be affected by the proposed development.

The site is located within the municipality of Hornsby Shire Council. Hornsby council's website states the following in relation to the vegetation present on the site. "The site is bounded to the north by Dog Pound Creek bushland (Bio-Banking site), to the east by Waitara Creek bushland and to the west by Berowra Valley National Park. The site itself is home to several threatened species and five vegetation communities, including;

- Sydney Turpentine Ironbark Forest (Critically Endangered Ecological Community)
- Duffy's Forest (Endangered Ecological Community)
- Scribbly Gum Open Woodland
- Bloodwood Scribbly Gum Woodland
- Peppermint Angophora Forest

Assessment of the trees was undertaken using the framework of the visual tree assessment procedure (VTA) as prescribed by Mattheck & Broeler 1994.¹

Tree Protection Zones and Structural Root Zones were calculated in accordance with AS4970-2009- The Protection of Trees on Development Sites ²(see appendix 1.2). Safe Useful Life Expectancy was allocated in accordance with the S.U.L.E³ (see appendix 1.3). Tree AZ ratings were allocated in accordance with the Tree AZ rating system⁴ (see appendix 1.4).

Trees within the survey area were geo-located using a Trimble G07X and tagged with a plastic tag with an individual tree number and QR code enabling the data of each tree to be accessed via smartphone.

The data collected has been imported into ArborCad V.7 and a KMZ file has been created showing the tree locations, tree protection zones and structural root zones on Google Earth.

- No internal diagnostic testing has been completed.
- No sub surface root testing or soil testing has been completed.
- All observations were made from the ground only.
- Tree heights have been estimated and diameters have been measured with a diameter tape where access allowed.

⁴ Tree AZ- Barrell Tree Care



Hornsby Council- Assessment of trees-

¹ Mattheck & Broeler 1994- The Body Language of Trees.

² Standards Australia- AS4970-2009- The Protection of Trees on Development Sites

³ Safe Useful Life Expectancy (S.U.L.E)- Barrell Tree Care

Site Details

The site is known as Westleigh Park and Sydney Water-Thornleigh Reservoir and is located on Quarter sessions Road, Westleigh.



Figure 2- The surveyed trees shown with google map overlay. Detailed maps will be provided in separate files.



Tree schedule

Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
1	Eucalyptus sieberi	Black Ash	12	5	300	370	3600	2180	Good	4	1 (Long SULE)	A2	No	
2	Eucalyptus sieberi	Black Ash	5	1	100	150	2000	1500	Poor	1	4 (Remove)	Z4	No	Growing from stump
3	Eucalyptus globoidea	White Stringybark	28	12	700	1000	8400	3309	Good	4	1 (Long SULE)	A2	No	
4	Syncarpia glomulifera	Turpentine	9	5	300	350	3600	2129	Good	4	1 (Long SULE)	A2	No	
5	Syncarpia glomulifera	Turpentine	9	5	300	350	3600	2129	Good	4	1 (Long SULE)	A2	No	
6	Angophora costata	Smooth-barked Apple Myrtle	12	4	200	300	2400	1996	Good	4	1 (Long SULE)	A2	No	
7	Angophora costata	Smooth-barked Apple Myrtle	20	15	400	450	4800	2366	Good	4	1 (Long SULE)	A2	No	
8	Eucalyptus pilularis	Blackbutt	28	18	750	900	9000	3166	Good	4	1 (Long SULE)	A2	No	
9	Eucalyptus pilularis	Blackbutt	26	12	600	900	7200	3166	Good	4	1 (Long SULE)	A2	No	
10	Eucalyptus pilularis	Blackbutt	26	10	400	550	4800	2575	Good	4	1 (Long SULE)	A2	No	
11	Eucalyptus pilularis	Blackbutt	13	2	150	200	2000	1683	Good	4	1 (Long SULE)	A2	No	

Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
12	Eucalyptus pilularis	Blackbutt	13	2	150	220	2000	1752	Good	4	1 (Long SULE)	A2	No	
13	Eucalyptus pilularis	Blackbutt	13	2	220	300	2640	1996	Good	4	1 (Long SULE)	A2	No	
14	Eucalyptus pilularis	Blackbutt	15	4	320	380	3840	2204	Good	4	1 (Long SULE)	A2	No	
15	Angophora costata	Smooth-barked Apple Myrtle	13	5	320	370	3840	2180	Good	4	1 (Long SULE)	A2	No	
16	Eucalyptus pilularis	Blackbutt	14	5	240	290	2880	1968	Good	4	1 (Long SULE)	A2	No	
17	Eucalyptus pilularis	Blackbutt	24	8	360	390	4320	2228	Good	4	1 (Long SULE)	A2	No	
18	Eucalyptus pilularis	Blackbutt	19	3	160	190	2000	1647	Good	4	1 (Long SULE)	A2	No	
19	Eucalyptus pilularis	Blackbutt	28	19	800	1000	9600	3309	Good	5	1 (Long SULE)	A3	No	
20	Angophora costata	Smooth-barked Apple Myrtle	16	12	300	380	3600	2204	Good	4	1 (Long SULE)	A2	No	
21	Eucalyptus pilularis	Blackbutt	24	9	400	460	4800	2388	Good	4	1 (Long SULE)	A2	No	
22	Corymbia gummifera	Red Bloodwood	26	12	430	510	5160	2494	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
23	Dead Tree	Dead Tree	12	2	180	220	2160	1752	Dead	1	4 (Remove)	Z4	No	
24	Angophora costata	Smooth-barked Apple Myrtle	14	6	160	210	2000	1718	Good	4	1 (Long SULE)	A2	No	
25	Angophora costata	Smooth-barked Apple Myrtle	14	6	170	190	2040	1647	Good	4	1 (Long SULE)	A2	No	
26	Eucalyptus pilularis	Blackbutt	14	3	170	200	2040	1683	Good	4	1 (Long SULE)	A2	No	
27	Angophora costata	Smooth-barked Apple Myrtle	15	5	240	250	2880	1849	Good	4	1 (Long SULE)	A2	No	
28	Eucalyptus globoidea	White Stringybark	23	10	340	410	4080	2276	Good	4	1 (Long SULE)	A2	No	
29	Eucalyptus globoidea	White Stringybark	14	4	180	240	2160	1817	Fair	3	2 (Medium SULE)	A2	No	
30	Corymbia gummifera	Red Bloodwood	21	7	300	330	3600	2077	Good	4	1 (Long SULE)	A2	No	
31	Eucalyptus pilularis	Blackbutt	19	8	390	580	4680	2633	Good	4	1 (Long SULE)	A2	No	
32	Eucalyptus pilularis	Blackbutt	19	6	280	340	3360	2104	Good	4	1 (Long SULE)	A2	No	
33	Eucalyptus pilularis	Blackbutt	27	14	580	830	6960	3060	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
34	Eucalyptus globoidea	White Stringybark	21	6	300	380	3600	2204	Good	4	1 (Long SULE)	A2	No	
35	Eucalyptus globoidea	White Stringybark	28	10	360	450	4320	2366	Good	4	1 (Long SULE)	A2	No	
36	Eucalyptus globoidea	White Stringybark	29	11	330	400	3960	2252	Normal	3	2 (Medium SULE)	A2	No	
37	Eucalyptus globoidea	White Stringybark	24	8	280	290	3360	1968	Normal	3	2 (Medium SULE)	A2	No	
38	Angophora costata	Smooth-barked Apple Myrtle	20	10	370	430	4440	2322	Good	4	1 (Long SULE)	A2	No	
39	Eucalyptus globoidea	White Stringybark	13	5	230	350	2760	2129	Normal	3	2 (Medium SULE)	A2	No	
40	Corymbia gummifera	Red Bloodwood	25	10	350	410	4200	2276	Normal	4	1 (Long SULE)	A2	No	
41	Angophora costata	Smooth-barked Apple Myrtle	19	10	380	410	4560	2276	Normal	4	1 (Long SULE)	A2	No	
42	Angophora costata	Smooth-barked Apple Myrtle	14	6	210	360	2520	2155	Normal	4	1 (Long SULE)	A2	No	
43	Angophora costata	Smooth-barked Apple Myrtle	18	8	270	310	3240	2024	Normal	4	1 (Long SULE)	A2	No	
44	Angophora costata	Smooth-barked Apple Myrtle	15	5	180	200	2160	1683	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
45	Angophora costata	Smooth-barked Apple Myrtle	16	7	230	260	2760	1879	Normal	4	1 (Long SULE)	A2	No	
46	Corymbia gummifera	Red Bloodwood	23	10	320	390	3840	2228	Fair	4	1 (Long SULE)	A2	No	
47	Corymbia gummifera	Red Bloodwood	10	3	180	220	2160	1752	Poor	3	3 (Short SULE)	Z4	Yes	
48	Eucalyptus globoidea	White Stringybark	29	18	680	950	8160	3239	Normal	4	1 (Long SULE)	A2	Yes	
49	Angophora costata	Smooth-barked Apple Myrtle	17	9	560	390	6720	2228	Normal	3	2 (Medium SULE)	A2	No	
50	Eucalyptus globoidea	White Stringybark	6	3	160	330	2000	2077	Normal	4	1 (Long SULE)	A2	No	
51	Corymbia gummifera	Red Bloodwood	18	8	280	420	3360	2299	Normal	4	1 (Long SULE)	A2	No	
52	Eucalyptus globoidea	White Stringybark	25	11	350	400	4200	2252	Fair	3	2 (Medium SULE)	A2	No	
53	Angophora costata	Smooth-barked Apple Myrtle	12	3	150	190	2000	1647	Fair	3	2 (Medium SULE)	A2	No	
54	Angophora costata	Smooth-barked Apple Myrtle	9	2	160	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
55	Syncarpia glomulifera	Turpentine	14	3	390	390	4680	2228	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
56	Eucalyptus acmenioides	White Mahogany	10	5	190	250	2280	1849	Normal	4	1 (Long SULE)	A2	No	
57	Eucalyptus globoidea	White Stringybark	18	6	320	420	3840	2299	Normal	4	1 (Long SULE)	A2	No	
58	Angophora costata	Smooth-barked Apple Myrtle	17	7	430	470	5160	2410	Normal	4	1 (Long SULE)	A2	No	
59	Eucalyptus globoidea	White Stringybark	26	14	520	600	6240	2670	Fair	3	2 (Medium SULE)	A2	No	
60	Angophora costata	Smooth-barked Apple Myrtle	25	18	650	1300	7800	3695	Normal	5	1 (Long SULE)	A3	No	
61	Eucalyptus globoidea	White Stringybark	31	24	650	700	7800	2849	Fair	3	3 (Short SULE)	A2	No	
62	Eucalyptus globoidea	White Stringybark	28	15	560	660	6720	2779	Normal	3	2 (Medium SULE)	A2	No	
63	Eucalyptus globoidea	White Stringybark	8	2	160	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
64	Eucalyptus pilularis	Blackbutt	19	14	700	1010	8400	3323	Normal	4	1 (Long SULE)	A2	No	
65	Angophora costata	Smooth-barked Apple Myrtle	9	4	240	290	2880	1968	Normal	4	1 (Long SULE)	A2	No	
66	Angophora costata	Smooth-barked Apple Myrtle	15	19	520	540	6240	2555	Poor	3	3 (Short SULE)	Z4	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
67	Angophora costata	Smooth-barked Apple Myrtle	10	3	550	720	6600	2883	Poor	2	4 (Remove)	Z4	No	
68	Angophora costata	Smooth-barked Apple Myrtle	20	8	340	440	4080	2344	Normal	4	1 (Long SULE)	A2	No	
69	Eucalyptus globoidea	White Stringybark	9	3	360	340	4320	2104	Fair	3	2 (Medium SULE)	A2	No	
70	Angophora costata	Smooth-barked Apple Myrtle	28	14	520	750	6240	2933	Fair	4	2 (Medium SULE)	A2	No	
71	Angophora costata	Smooth-barked Apple Myrtle	24	5	260	330	3120	2077	Fair	4	1 (Long SULE)	A2	No	
72	Angophora costata	Smooth-barked Apple Myrtle	24	9	310	360	3720	2155	Fair	3	2 (Medium SULE)	A2	No	
73	Angophora costata	Smooth-barked Apple Myrtle	15	5	250	350	3000	2129	Normal	4	1 (Long SULE)	A2	No	
74	Angophora costata	Smooth-barked Apple Myrtle	19	7	310	350	3720	2129	Good	4	1 (Long SULE)	A2	No	
75	Eucalyptus globoidea	White Stringybark	10	7	190	220	2280	1752	Normal	4	1 (Long SULE)	A2	No	
76	Eucalyptus globoidea	White Stringybark	27	12	440	520	5280	2515	Normal	4	1 (Long SULE)	A2	No	
77	Eucalyptus globoidea	White Stringybark	13	7	230	290	2760	1968	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
78	Angophora costata	Smooth-barked Apple Myrtle	11	1	160	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
79	Syncarpia glomulifera	Turpentine	11	1	160	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
80	Eucalyptus globoidea	White Stringybark	29	11	350	750	4200	2933	Normal	3	2 (Medium SULE)	A2	No	
81	Angophora costata	Smooth-barked Apple Myrtle	25	9	360	380	4320	2204	Normal	4	1 (Long SULE)	A2	No	
82	Angophora costata	Smooth-barked Apple Myrtle	19	5	310	500	3720	2470	Normal	3	2 (Medium SULE)	A2	No	
83	Angophora costata	Smooth-barked Apple Myrtle	26	7	370	460	4440	2388	Good	4	1 (Long SULE)	A2	No	
84	Syncarpia glomulifera	Turpentine	13	4	170	270	2040	1910	Normal	4	1 (Long SULE)	A2	No	
85	Eucalyptus globoidea	White Stringybark	28	18	510	610	6120	2689	Normal	4	1 (Long SULE)	A2	No	
86	Syncarpia glomulifera	Turpentine	13	3	290	400	3480	2252	Good	4	1 (Long SULE)	A2	No	
87	Eucalyptus globoidea	White Stringybark	24	8	200	370	2400	2180	Normal	4	1 (Long SULE)	A2	No	
88	Syncarpia glomulifera	Turpentine	8	3	200	230	2400	1785	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
89	Eucalyptus globoidea	White Stringybark	9	3	210	260	2520	1879	Normal	4	1 (Long SULE)	A2	No	
90	Eucalyptus globoidea	White Stringybark	9	3	150	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
91	Syncarpia glomulifera	Turpentine	9	3	170	250	2040	1849	Good	4	1 (Long SULE)	A2	No	
92	Syncarpia glomulifera	Turpentine	9	3	210	240	2520	1817	Normal	4	1 (Long SULE)	A2	No	
93	Syncarpia glomulifera	Turpentine	11	3	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
94	Eucalyptus globoidea	White Stringybark	25	12	500	600	6000	2670	Good	4	1 (Long SULE)	A2	No	
95	Syncarpia glomulifera	Turpentine	11	4	170	220	2040	1752	Normal	4	1 (Long SULE)	A2	No	
96	Syncarpia glomulifera	Turpentine	11	2	160	200	2000	1683	Normal	4	1 (Long SULE)	A2	No	
97	Syncarpia glomulifera	Turpentine	12	4	270	370	3240	2180	Normal	4	1 (Long SULE)	A2	No	
98	Syncarpia glomulifera	Turpentine	11	2	150	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
99	Syncarpia glomulifera	Turpentine	11	2	150	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
100	Eucalyptus acmenioides	White Mahogany	11	2	150	180	2000	1611	Poor	2	3 (Short SULE)	Z4	No	
101	Eucalyptus acmenioides	White Mahogany	25	6	300	310	3600	2024	Normal	4	1 (Long SULE)	A2	No	
102	Syncarpia glomulifera	Turpentine	24	9	550	670	6600	2797	Normal	4	1 (Long SULE)	A2	No	
103	Eucalyptus globoidea	White Stringybark	19	11	310	840	3720	3076	Fair	3	3 (Short SULE)	A2	No	
104	Corymbia gummifera	Red Bloodwood	19	7	280	650	3360	2762	Fair	3	3 (Short SULE)	A2	No	
105	Syncarpia glomulifera	Turpentine	18	5	240	500	2880	2474	Normal	4	1 (Long SULE)	A2	No	
106	Eucalyptus globoidea	White Stringybark	18	5	210	280	2520	1939	Normal	4	1 (Long SULE)	A2	No	
107	Angophora costata	Smooth-barked Apple Myrtle	12	5	240	380	2880	2204	Normal	4	1 (Long SULE)	A2	No	
108	Syncarpia glomulifera	Turpentine	19	9	260	440	3120	2344	Normal	4	1 (Long SULE)	A2	No	
109	Syncarpia glomulifera	Turpentine	23	8	270	340	3240	2104	Normal	4	1 (Long SULE)	A2	No	
110	Eucalyptus acmenioides	White Mahogany	23	12	330	440	3960	2344	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
111	Eucalyptus globoidea	White Stringybark	22	5	270	310	3240	2024	Normal	4	1 (Long SULE)	A2	No	
112	Angophora costata	Smooth-barked Apple Myrtle	10	5	170	200	2040	1683	Normal	4	1 (Long SULE)	A2	No	
113	Syncarpia glomulifera	Turpentine	15	8	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
114	Eucalyptus globoidea	White Stringybark	20	5	250	300	3000	1996	Good	4	1 (Long SULE)	A2	No	
115	Angophora costata	Smooth-barked Apple Myrtle	25	11	770	1080	9240	3418	Good	4	1 (Long SULE)	A2	No	
116	Eucalyptus globoidea	White Stringybark	25	11	400	480	4800	2431	Normal	4	1 (Long SULE)	A2	No	
117	Eucalyptus globoidea	White Stringybark	25	11	400	440	4800	2344	Fair	4	1 (Long SULE)	A2	No	
118	Eucalyptus globoidea	White Stringybark	25	15	360	440	4320	2344	Fair	4	1 (Long SULE)	A2	No	
119	Dead Tree	Dead Tree	10	1	180	220	2160	1752	Dead	1	4 (Remove)	Z4	No	
120	Eucalyptus globoidea	White Stringybark	10	4	170	200	2040	1683	Fair	3	3 (Short SULE)	A2	No	
121	Eucalyptus globoidea	White Stringybark	22	15	350	410	4200	2276	Fair	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
122	Angophora costata	Smooth-barked Apple Myrtle	20	10	270	400	3240	2252	Normal	4	1 (Long SULE)	A2	No	
123	Eucalyptus globoidea	White Stringybark	18	5	210	230	2520	1785	Normal	4	1 (Long SULE)	A2	No	
124	Corymbia gummifera	Red Bloodwood	22	10	300	340	3600	2104	Normal	4	1 (Long SULE)	A2	No	
125	Angophora costata	Smooth-barked Apple Myrtle	10	4	240	270	2880	1910	Normal	4	1 (Long SULE)	A2	No	
126	Corymbia gummifera	Red Bloodwood	21	12	350	470	4200	2410	Good	4	1 (Long SULE)	A2	No	
127	Eucalyptus acmenioides	White Mahogany	12	2	170	220	2040	1752	Poor	2	3 (Short SULE)	Z4	No	
128	Dead Tree	Dead Tree	10	2	170	220	2040	1752	Dead	1	4 (Remove)	Z4	No	
129	Eucalyptus globoidea	White Stringybark	15	5	200	220	2400	1752	Good	3	2 (Medium SULE)	A2	No	
130	Corymbia gummifera	Red Bloodwood	24	12	350	390	4200	2228	Good	4	1 (Long SULE)	A2	No	
131	Corymbia gummifera	Red Bloodwood	18	6	240	280	2880	1939	Good	4	1 (Long SULE)	A2	No	
132	Corymbia gummifera	Red Bloodwood	12	4	170	240	2040	1817	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
133	Eucalyptus globoidea	White Stringybark	8	3	170	300	2040	1996	Poor	3	4 (Remove)	Z4	No	
134	Eucalyptus globoidea	White Stringybark	11	3	150	600	2000	2670	Poor	3	4 (Remove)	Z4	No	
135	Angophora costata	Smooth-barked Apple Myrtle	18	10	310	370	3720	2180	Fair	2	3 (Short SULE)	A2	No	
136	Angophora costata	Smooth-barked Apple Myrtle	18	10	320	440	3840	2344	Fair	2	3 (Short SULE)	A2	No	
137	Syncarpia glomulifera	Turpentine	15	6	380	520	4560	2515	Fair	4	1 (Long SULE)	A2	No	
138	Eucalyptus pilularis	Blackbutt	24	12	350	580	4200	2633	Normal	4	1 (Long SULE)	A2	No	
139	Corymbia gummifera	Red Bloodwood	14	2	230	290	2760	1968	Poor	2	3 (Short SULE)	Z4	No	
140	Corymbia gummifera	Red Bloodwood	19	6	260	320	3120	2051	Fair	4	2 (Medium SULE)	A2	No	
141	Eucalyptus globoidea	White Stringybark	20	6	330	360	3960	2155	Fair	4	2 (Medium SULE)	A2	No	
142	Eucalyptus globoidea	White Stringybark	12	10	250	270	3000	1910	Fair	3	3 (Short SULE)	A2	No	
143	Corymbia gummifera	Red Bloodwood	12	5	220	270	2640	1910	Fair	4	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
144	Corymbia gummifera	Red Bloodwood	12	5	220	260	2640	1879	Good	4	2 (Medium SULE)	A2	No	
145	Eucalyptus pilularis	Blackbutt	28	19	710	950	8520	3239	Normal	4	1 (Long SULE)	A2	No	
146	Dead Tree	Dead Tree	8	2	170	200	2040	1683	Dead	1	4 (Remove)	Z4	No	
147	Corymbia gummifera	Red Bloodwood	5	2	160	160	2000	1533	Poor	2	4 (Remove)	Z4	No	
148	Angophora costata	Smooth-barked Apple Myrtle	12	2	150	160	2000	1533	Good	4	1 (Long SULE)	A2	No	
149	Eucalyptus pilularis	Blackbutt	19	5	280	420	3360	2299	Good	4	1 (Long SULE)	A2	No	
150	Eucalyptus pilularis	Blackbutt	30	23	500	750	6000	2933	Good	4	1 (Long SULE)	A2	No	
151	Corymbia gummifera	Red Bloodwood	6	4	250	240	3000	1817	Fair	3	2 (Medium SULE)	A2	No	
152	Eucalyptus pilularis	Blackbutt	28	30	670	770	8040	2965	Normal	4	1 (Long SULE)	A2	No	
153	Corymbia gummifera	Red Bloodwood	15	4	290	360	3480	2155	Fair	3	3 (Short SULE)	A2	No	
154	Corymbia gummifera	Red Bloodwood	18	20	500	800	6000	3013	Fair	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
155	Corymbia gummifera	Red Bloodwood	12	4	260	340	3120	2104	Fair	4	1 (Long SULE)	A2	No	
156	Syncarpia glomulifera	Turpentine	20	12	430	570	5160	2613	Good	4	1 (Long SULE)	A2	No	
157	Corymbia gummifera	Red Bloodwood	25	10	270	330	3240	2077	Normal	4	1 (Long SULE)	A2	No	
158	Corymbia gummifera	Red Bloodwood	20	5	270	350	3240	2129	Normal	4	1 (Long SULE)	A2	No	
159	Corymbia gummifera	Red Bloodwood	20	5	290	400	3480	2252	Normal	4	1 (Long SULE)	A2	No	
160	Corymbia gummifera	Red Bloodwood	12	5	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
161	Eucalyptus eugenioides	Thin-leaved Stringybark	12	5	380	500	4560	2474	Normal	4	1 (Long SULE)	A2	No	
162	Corymbia gummifera	Red Bloodwood	12	2	160	180	2000	1611	Fair	3	3 (Short SULE)	A2	No	
163	Eucalyptus pilularis	Blackbutt	29	30	730	1300	8760	3695	Good	5	1 (Long SULE)	A3	No	
164	Corymbia gummifera	Red Bloodwood	12	3	180	250	2160	1849	Normal	4	1 (Long SULE)	A2	No	
165	Angophora costata	Smooth-barked Apple Myrtle	10	4	250	280	3000	1939	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
166	Angophora costata	Smooth-barked Apple Myrtle	21	6	350	700	4200	2849	Normal	4	1 (Long SULE)	A2	No	
167	Corymbia gummifera	Red Bloodwood	18	5	280	370	3360	2180	Fair	3	2 (Medium SULE)	A2	No	
168	Corymbia gummifera	Red Bloodwood	9	2	180	190	2160	1647	Poor	2	3 (Short SULE)	Z4	No	
169	Corymbia gummifera	Red Bloodwood	25	8	350	450	4200	2366	Good	4	1 (Long SULE)	A2	No	
170	Eucalyptus racemosa	Scribbly Gum	6	2	170	180	2040	1611	Fair	3	2 (Medium SULE)	A2	No	
171	Eucalyptus racemosa	Scribbly Gum	3	1	350	650	4200	2762	Poor	2	4 (Remove)	Z4	No	
172	Eucalyptus racemosa	Scribbly Gum	28	17	500	930	6000	3210	Good	4	1 (Long SULE)	A2	No	
173	Eucalyptus globoidea	White Stringybark	11	5	250	320	3000	2051	Poor	3	3 (Short SULE)	Z4	No	
174	Corymbia gummifera	Red Bloodwood	6	4	210	730	2520	2900	Fair	3	2 (Medium SULE)	A2	No	
175	Eucalyptus racemosa	Scribbly Gum	6	4	570	770	6840	2965	Normal	4	1 (Long SULE)	A2	No	
176	Eucalyptus acmenioides	White Mahogany	15	4	170	200	2040	1683	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
177	Corymbia gummifera	Red Bloodwood	24	8	310	400	3720	2252	Normal	4	1 (Long SULE)	A2	No	
178	Corymbia gummifera	Red Bloodwood	7	3	170	200	2040	1683	Fair	3	2 (Medium SULE)	A2	No	
179	Corymbia gummifera	Red Bloodwood	21	9	340	380	4080	2204	Normal	4	1 (Long SULE)	A2	No	
180	Eucalyptus globoidea	White Stringybark	18	7	270	400	3240	2252	Fair	3	2 (Medium SULE)	A2	No	
181	Eucalyptus acmenioides	White Mahogany	16	9	360	460	4320	2388	Fair	3	2 (Medium SULE)	A2	No	
182	Corymbia gummifera	Red Bloodwood	23	9	330	410	3960	2276	Good	4	1 (Long SULE)	A2	No	
183	Eucalyptus globoidea	White Stringybark	15	5	190	200	2280	1683	Normal	4	2 (Medium SULE)	A2	No	
184	Dead Tree	Dead Tree	11	1	170	200	2040	1683	Dead	1	4 (Remove)	Z4	No	
185	Eucalyptus pilularis	Blackbutt	22	20	440	520	5280	2515	Good	4	1 (Long SULE)	A2	No	
186	Eucalyptus globoidea	White Stringybark	22	24	670	840	8040	3076	Good	4	1 (Long SULE)	A2	No	
187	Corymbia gummifera	Red Bloodwood	24	9	530	550	6360	2575	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
188	Corymbia gummifera	Red Bloodwood	15	10	310	390	3720	2228	Good	4	1 (Long SULE)	A2	No	
189	Corymbia gummifera	Red Bloodwood	10	10	280	320	3360	2051	Good	4	1 (Long SULE)	A2	No	
190	Corymbia gummifera	Red Bloodwood	10	10	280	320	3360	2051	Good	4	1 (Long SULE)	A2	No	
191	Corymbia gummifera	Red Bloodwood	12	10	320	410	3840	2276	Good	4	1 (Long SULE)	A2	No	
192	Eucalyptus globoidea	White Stringybark	10	10	310	580	3720	2633	Good	4	1 (Long SULE)	A2	No	
193	Dead Tree	Dead Tree	6	2	160	210	2000	1718	Dead	1	4 (Remove)	Z4	No	
194	Corymbia gummifera	Red Bloodwood	20	15	470	760	5640	2949	Good	4	1 (Long SULE)	A2	No	
195	Corymbia gummifera	Red Bloodwood	24	15	320	480	3840	2431	Good	4	1 (Long SULE)	A2	No	
196	Eucalyptus racemosa	Scribbly Gum	10	5	180	240	2160	1817	Good	4	1 (Long SULE)	A2	No	
197	Eucalyptus acmenioides	White Mahogany	20	25	520	620	6240	2707	Fair	3	2 (Medium SULE)	A2	No	
198	Corymbia gummifera	Red Bloodwood	10	5	180	220	2160	1752	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
199	Angophora costata	Smooth-barked Apple Myrtle	10	5	190	280	2280	1939	Normal	4	1 (Long SULE)	A2	No	
200	Corymbia gummifera	Red Bloodwood	18	12	320	350	3840	2129	Good	4	1 (Long SULE)	A2	No	
201	Angophora costata	Smooth-barked Apple Myrtle	18	12	270	420	3240	2299	Fair	3	2 (Medium SULE)	A2	No	
202	Eucalyptus racemosa	Scribbly Gum	10	14	320	360	3840	2155	Normal	4	1 (Long SULE)	A2	No	
203	Eucalyptus racemosa	Scribbly Gum	12	2	400	550	4800	2575	Poor	2	4 (Remove)	Z4	No	
204	Eucalyptus globoidea	White Stringybark	20	15	400	530	4800	2535	Normal	4	2 (Medium SULE)	A2	No	
205	Eucalyptus racemosa	Scribbly Gum	15	15	340	950	4080	3239	Good	4	1 (Long SULE)	A2	No	
206	Corymbia gummifera	Red Bloodwood	15	12	320	390	3840	2228	Good	4	1 (Long SULE)	A2	No	
207	Corymbia gummifera	Red Bloodwood	10	5	180	210	2160	1718	Good	4	1 (Long SULE)	A2	No	
208	Eucalyptus racemosa	Scribbly Gum	20	17	550	780	6600	2981	Good	4	1 (Long SULE)	A2	No	
209	Corymbia gummifera	Red Bloodwood	10	5	190	200	2280	1683	Poor	2	4 (Remove)	Z4	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
210	Eucalyptus globoidea	White Stringybark	18	14	380	440	4560	2344	Fair	4	2 (Medium SULE)	A2	No	
211	Eucalyptus racemosa	Scribbly Gum	22	18	640	800	7680	3013	Good	4	1 (Long SULE)	A2	No	
212	Corymbia gummifera	Red Bloodwood	20	10	280	320	3360	2051	Good	4	1 (Long SULE)	A2	No	
213	Corymbia gummifera	Red Bloodwood	10	5	220	280	2640	1939	Fair	3	3 (Short SULE)	A2	No	
214	Corymbia gummifera	Red Bloodwood	12	5	200	260	2400	1879	Fair	3	3 (Short SULE)	A2	No	
215	Eucalyptus globoidea	White Stringybark	20	12	260	400	3120	2252	Fair	3	3 (Short SULE)	A2	No	
216	Eucalyptus racemosa	Scribbly Gum	18	12	250	300	3000	1996	Fair	3	3 (Short SULE)	A2	No	
217	Eucalyptus racemosa	Scribbly Gum	20	15	260	420	3120	2299	Fair	3	3 (Short SULE)	A2	No	
218	Eucalyptus racemosa	Scribbly Gum	22	15	340	430	4080	2322	Fair	3	3 (Short SULE)	A2	No	
219	Corymbia gummifera	Red Bloodwood	15	10	300	320	3600	2051	Normal	4	1 (Long SULE)	A2	No	
220	Corymbia gummifera	Red Bloodwood	12	3	200	240	2400	1817	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
221	Corymbia gummifera	Red Bloodwood	10	4	150	190	2000	1647	Fair	3	2 (Medium SULE)	A2	No	
222	Corymbia gummifera	Red Bloodwood	15	10	240	280	2880	1939	Fair	4	2 (Medium SULE)	A2	No	
223	Corymbia gummifera	Red Bloodwood	10	5	200	230	2400	1785	Fair	4	2 (Medium SULE)	A2	No	
224	Eucalyptus racemosa	Scribbly Gum	20	10	250	480	3000	2431	Good	4	1 (Long SULE)	A2	No	
225	Corymbia gummifera	Red Bloodwood	15	5	220	270	2640	1910	Good	4	1 (Long SULE)	A2	No	
226	Eucalyptus haemastoma	Scribbly Gum	20	15	430	590	5160	2652	Good	4	1 (Long SULE)	A2	No	
227	Corymbia gummifera	Red Bloodwood	15	5	270	390	3240	2228	Normal	4	1 (Long SULE)	A2	No	
228	Corymbia gummifera	Red Bloodwood	15	10	320	320	3840	2051	Normal	4	1 (Long SULE)	A2	No	
229	Corymbia gummifera	Red Bloodwood	22	15	350	600	4200	2670	Normal	4	1 (Long SULE)	A2	No	
230	Corymbia gummifera	Red Bloodwood	12	5	200	300	2400	1996	Normal	4	1 (Long SULE)	A2	No	
231	Corymbia gummifera	Red Bloodwood	22	10	380	520	4560	2515	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
232	Corymbia gummifera	Red Bloodwood	14	7	290	360	3480	2155	Good	4	1 (Long SULE)	A2	No	
233	Corymbia gummifera	Red Bloodwood	23	15	440	470	5280	2410	Good	4	1 (Long SULE)	A2	No	
234	Corymbia gummifera	Red Bloodwood	22	15	320	360	3840	2155	Normal	4	2 (Medium SULE)	A2	No	
235	Eucalyptus racemosa	Scribbly Gum	23	24	980	850	11760	3091	Good	5	1 (Long SULE)	A3	No	
236	Banksia serrata	Saw-toothed Banksia	6	3	280	320	3360	2051	Good	4	1 (Long SULE)	A2	No	
237	Eucalyptus pilularis	Blackbutt	10	2	150	160	2000	1533	Good	4	1 (Long SULE)	A2	No	
238	Banksia serrata	Saw-toothed Banksia	10	10	320	420	3840	2299	Good	4	1 (Long SULE)	A2	No	
239	Eucalyptus haemastoma	Scribbly Gum	12	10	250	290	3000	1968	Normal	4	1 (Long SULE)	A2	No	
240	Eucalyptus racemosa	Scribbly Gum	8	5	220	260	2640	1879	Normal	4	1 (Long SULE)	A2	No	
241	Eucalyptus racemosa	Scribbly Gum	12	10	360	430	4320	2322	Normal	4	1 (Long SULE)	A2	No	
242	Eucalyptus racemosa	Scribbly Gum	8	4	170	220	2040	1752	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
243	Eucalyptus racemosa	Scribbly Gum	12	8	300	350	3600	2129	Fair	3	2 (Medium SULE)	A2	No	
244	Allocasuarina littoralis	Black She-oak	10	7	220	300	2640	1996	Fair	4	1 (Long SULE)	A2	No	
245	Eucalyptus racemosa	Scribbly Gum	10	6	300	350	3600	2129	Fair	4	1 (Long SULE)	A2	No	
246	Angophora hispidia	Dwarf Apple	3	3	190	220	2280	1752	Fair	4	1 (Long SULE)	A2	No	
247	Tristaniopsis laurina	Kanooka	5	6	170	240	2040	1817	Good	4	1 (Long SULE)	A2	No	
248	Syncarpia glomulifera	Turpentine	14	4	170	240	2040	1817	Good	4	1 (Long SULE)	A2	No	
249	Eucalyptus globoidea	White Stringybark	28	19	810	1140	9720	3497	Good	5	1 (Long SULE)	A3	No	
250	Angophora costata	Smooth-barked Apple Myrtle	12	12	360	500	4320	2474	Good	4	1 (Long SULE)	A2	No	
251	Angophora costata	Smooth-barked Apple Myrtle	25	24	640	700	7680	2849	Good	5	1 (Long SULE)	A3	No	
252	Angophora costata	Smooth-barked Apple Myrtle	15	12	450	580	5400	2633	Good	4	1 (Long SULE)	A2	No	
253	Corymbia gummifera	Red Bloodwood	12	12	360	430	4320	2322	Good	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
254	Angophora costata	Smooth-barked Apple Myrtle	12	8	260	290	3120	1968	Fair	3	2 (Medium SULE)	A2	No	
255	Syncarpia glomulifera	Turpentine	19	6	380	470	4560	2410	Fair	3	2 (Medium SULE)	A2	No	
256	Angophora costata	Smooth-barked Apple Myrtle	12	6	210	230	2520	1785	Fair	3	2 (Medium SULE)	A2	No	
257	Angophora costata	Smooth-barked Apple Myrtle	12	6	200	200	2400	1683	Fair	3	2 (Medium SULE)	A2	No	
258	Eucalyptus globoidea	White Stringybark	9	4	150	190	2000	1647	Normal	4	1 (Long SULE)	A2	No	
259	Angophora costata	Smooth-barked Apple Myrtle	8	4	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
260	Angophora costata	Smooth-barked Apple Myrtle	23	27	950	1170	11400	3535	Good	5	1 (Long SULE)	A3	Yes	
261	Eucalyptus sieberi	Black Ash	10	10	500	900	6000	3166	Good	4	1 (Long SULE)	A2	No	
262	Eucalyptus sieberi	Black Ash	10	8	300	450	3600	2366	Good	2	2 (Medium SULE)	A2	No	
263	Eucalyptus sieberi	Black Ash	10	8	250	350	3000	2129	Good	3	2 (Medium SULE)	A2	No	
264	Eucalyptus acmenioides	White Mahogany	16	12	550	750	6600	2933	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
265	Eucalyptus acmenioides	White Mahogany	13	4	200	350	2400	2129	Good	4	1 (Long SULE)	A2	No	
266	Eucalyptus sieberi	Black Ash	12	10	350	500	4200	2474	Good	4	1 (Long SULE)	A2	No	
267	Eucalyptus sieberi	Black Ash	13	11	450	620	5400	2707	Good	4	1 (Long SULE)	A2	No	
268	Angophora costata	Smooth-barked Apple Myrtle	12	11	400	500	4800	2474	Good	4	1 (Long SULE)	A2	No	
269	Eucalyptus racemosa	Scribbly Gum	16	12	500	650	6000	2762	Good	2	2 (Medium SULE)	A2	No	
270	Corymbia gummifera	Red Bloodwood	8	4	160	180	2000	1611	Good	3	2 (Medium SULE)	A2	No	
271	Corymbia gummifera	Red Bloodwood	8	2	170	180	2040	1611	Good	3	2 (Medium SULE)	A2	No	
272	Corymbia gummifera	Red Bloodwood	10	5	300	360	3600	2155	Normal	3	2 (Medium SULE)	A2	No	
273	Corymbia gummifera	Red Bloodwood	13	2	210	230	2520	1785	Poor	2	3 (Short SULE)	Z4	No	
274	Corymbia gummifera	Red Bloodwood	10	5	260	300	3120	1996	Fair	3	3 (Short SULE)	A2	No	
275	Corymbia gummifera	Red Bloodwood	15	6	310	350	3720	2129	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
276	Corymbia gummifera	Red Bloodwood	12	8	290	340	3480	2104	Good	4	1 (Long SULE)	A2	No	
277	Acacia decurrens	Green Wattle	6	3	180	240	2160	1817	Poor	1	3 (Short SULE)	Z4	No	
278	Acacia decurrens	Green Wattle	6	3	180	240	2160	1817	Poor	1	3 (Short SULE)	Z4	No	
279	Dead Tree	Dead Tree	6	3	200	200	2400	1683	Dead	1	4 (Remove)		No	
280	Corymbia gummifera	Dead Tree	15	6	300	340	3600	2104	Fair	3	2 (Medium SULE)	A2	No	
281	Corymbia gummifera	Dead Tree	17	6	340	400	4080	2252	Fair	3	2 (Medium SULE)	A2	No	
282	Syncarpia glomulifera	Turpentine	13	10	360	500	4320	2474	Good	4	1 (Long SULE)	A2	No	
283	Corymbia gummifera	Dead Tree	15	10	650	550	7800	2575	Normal	4	1 (Long SULE)	A2	No	
284	Eucalyptus haemastoma	Scribbly Gum	18	9	410	500	4920	2474	Normal	4	1 (Long SULE)	A2	No	
285	Eucalyptus racemosa	Scribbly Gum	14	8	450	520	5400	2515	Normal	4	1 (Long SULE)	A2	No	
286	Eucalyptus acmenioides	White Mahogany	10	3	210	330	2520	2077	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
287	Eucalyptus sieberi	Dead Tree	18	4	190	190	2280	1647	Normal	4	1 (Long SULE)	A2	No	
288	Corymbia gummifera	Dead Tree	15	10	410	540	4920	2555	Normal	4	1 (Long SULE)	A2	No	
289	Eucalyptus sieberi	Dead Tree	10	5	260	310	3120	2024	Normal	4	1 (Long SULE)	A2	No	
290	Eucalyptus racemosa	Scribbly Gum	14	10	290	360	3480	2155	Good	4	1 (Long SULE)	A2	No	
291	Eucalyptus acmenioides	White Mahogany	8	7	220	540	2640	2555	Normal	4	1 (Long SULE)	A2	No	
292	Corymbia gummifera	Red Bloodwood	12	6	390	430	4680	2322	Fair	3	2 (Medium SULE)	A2	No	
293	Corymbia gummifera	Red Bloodwood	10	6	330	350	3960	2129	Normal	4	1 (Long SULE)	A2	No	
294	Corymbia gummifera	Red Bloodwood	8	6	230	250	2760	1849	Normal	4	1 (Long SULE)	A2	No	
295	Eucalyptus haemastoma	Scribbly Gum	15	10	520	600	6240	2670	Normal	3	2 (Medium SULE)	A2	No	
296	Eucalyptus acmenioides	White Mahogany	19	12	470	520	5640	2515	Normal	4	1 (Long SULE)	A2	No	
297	Corymbia gummifera	Red Bloodwood	8	4	190	220	2280	1752	Poor	2	3 (Short SULE)	Z4	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
298	Corymbia gummifera	Red Bloodwood	10	5	220	250	2640	1849	Fair	3	2 (Medium SULE)	A2	No	
299	Corymbia gummifera	Red Bloodwood	15	8	360	440	4320	2344	Normal	4	1 (Long SULE)	A2	No	
300	Corymbia gummifera	Red Bloodwood	12	8	340	380	4080	2204	Fair	3	2 (Medium SULE)	A2	No	
301	Eucalyptus acmenioides	White Mahogany	12	6	310	350	3720	2129	Fair	3	2 (Medium SULE)	A2	No	
302	Dead Tree	Dead Tree	7	2	200	200	2400	1683	Dead	1	4 (Remove)		No	
303	Corymbia gummifera	Red Bloodwood	7	3	160	180	2000	1611	Dead	1	4 (Remove)		No	
304	Corymbia gummifera	Red Bloodwood	9	3	200	220	2400	1752	Normal	4	1 (Long SULE)	A2	No	
305	Eucalyptus sieberi	Black Ash	6	4	170	190	2040	1647	Normal	4	1 (Long SULE)	A2	No	
306	Corymbia gummifera	Red Bloodwood	12	10	420	480	5040	2431	Normal	4	1 (Long SULE)	A2	No	
307	Corymbia gummifera	Red Bloodwood	10	5	290	330	3480	2077	Normal	4	1 (Long SULE)	A2	No	
308	Eucalyptus acmenioides	White Mahogany	15	12	450	520	5400	2515	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
309	Eucalyptus acmenioides	White Mahogany	20	8	290	320	3480	2051	Normal	3	2 (Medium SULE)	A2	No	
310	Corymbia gummifera	Red Bloodwood	14	9	360	440	4320	2344	Poor	3	3 (Short SULE)	A2	No	
311	Eucalyptus acmenioides	White Mahogany	17	12	320	650	3840	2762	Fair	4	1 (Long SULE)	A2	No	
312	Eucalyptus acmenioides	White Mahogany	10	10	230	500	2760	2474	Fair	3	2 (Medium SULE)	A2	No	
313	Corymbia gummifera	Red Bloodwood	16	10	350	400	4200	2252	Dead	4	1 (Long SULE)	A2	No	
314	Eucalyptus acmenioides	White Mahogany	12	11	400	700	4800	2849	Poor	1	3 (Short SULE)	Z4	No	
315	Eucalyptus sieberi	Black Ash	14	8	250	400	3000	2252	Good	4	1 (Long SULE)	A2	No	
316	Eucalyptus sieberi	Black Ash	10	8	260	380	3120	2204	Fair	2	2 (Medium SULE)	A2	No	
317	Eucalyptus sieberi	Black Ash	10	5	180	400	2160	2252	Normal	4	1 (Long SULE)	A2	No	
318	Eucalyptus haemastoma	Scribbly Gum	8	8	200	250	2400	1849	Fair	3	2 (Medium SULE)	A2	No	
319	Eucalyptus racemosa	Scribbly Gum	12	10	330	360	3960	2155	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
320	Eucalyptus acmenioides	White Mahogany	8	6	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
321	Eucalyptus acmenioides	White Mahogany	8	6	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
322	Corymbia gummifera	Red Bloodwood	8	4	230	230	2760	1785	Fair	3	2 (Medium SULE)	A2	No	
323	Eucalyptus haemastoma	Scribbly Gum	7	4	200	300	2400	1996	Normal	4	1 (Long SULE)	A2	No	
324	Corymbia gummifera	Red Bloodwood	16	10	480	500	5760	2474	Fair	3	3 (Short SULE)	A2	No	
325	Eucalyptus globoidea	White Stringybark	19	10	650	700	7800	2849	Normal	3	2 (Medium SULE)	A2	No	
326	Angophora costata	Smooth-barked Apple Myrtle	18	10	320	450	3840	2366	Normal	4	1 (Long SULE)	A2	No	
327	Eucalyptus pilularis	Blackbutt	20	12	440	460	5280	2388	Normal	2	2 (Medium SULE)	A2	No	
328	Eucalyptus pilularis	Blackbutt	24	15	340	400	4080	2252	Normal	3	2 (Medium SULE)	A2	No	
329	Eucalyptus pilularis	Blackbutt	20	10	340	380	4080	2204	Normal	4	1 (Long SULE)	A2	No	
330	Eucalyptus pilularis	Blackbutt	20	10	390	450	4680	2366	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
331	Eucalyptus pilularis	Blackbutt	17	6	320	360	3840	2155	Normal	4	1 (Long SULE)	A2	No	
332	Eucalyptus pilularis	Blackbutt	17	6	320	350	3840	2129	Normal	4	1 (Long SULE)	A2	No	
333	Eucalyptus pilularis	Blackbutt	24	11	340	460	4080	2388	Normal	4	1 (Long SULE)	A2	No	
334	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	20	9	450	480	5400	2431	Fair	2	2 (Medium SULE)	A2	No	
335	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	25	13	380	500	4560	2474	Normal	4	1 (Long SULE)	A2	No	
336	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	20	10	230	240	2760	1817	Normal	4	1 (Long SULE)	A2	No	
337	Angophora costata	Smooth-barked Apple Myrtle	24	15	480	540	5760	2555	Normal	4	1 (Long SULE)	A2	No	
338	Eucalyptus eugenioides	Thin-leaved Stringybark	10	10	280	320	3360	2051	Fair	3	2 (Medium SULE)	A2	No	
339	Eucalyptus pilularis	Blackbutt	19	8	320	430	3840	2322	Normal	3	2 (Medium SULE)	A2	No	
340	Eucalyptus eugenioides	Thin-leaved Stringybark	10	4	200	240	2400	1817	Normal	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
341	Eucalyptus pilularis	Blackbutt	22	15	340	440	4080	2344	Normal	4	1 (Long SULE)	A2	No	
342	Dead Tree	Dead Tree	14	3	300	350	3600	2129	Dead	1	4 (Remove)		No	
343	Eucalyptus sieberi	Black Ash	10	5	230	280	2760	1939	Good	4	1 (Long SULE)	A2	No	
344	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	18	10	260	320	3120	2051	Normal	4	1 (Long SULE)	A2	No	
345	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	10	8	300	350	3600	2129	Fair	3	2 (Medium SULE)	A2	No	
346	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	10	4	200	250	2400	1849	Fair	3	3 (Short SULE)	A2	No	
347	Eucalyptus eugenioides	Thin-leaved Stringybark	11	4	250	280	3000	1939	Fair	3	3 (Short SULE)	A2	No	
348	Dead Tree	Dead Tree	9	3	200	200	2400	1683	Dead	1	4 (Remove)		No	
349	Eucalyptus pilularis	Blackbutt	13	6	230	270	2760	1910	Fair	3	2 (Medium SULE)	A2	No	
350	Eucalyptus saligna x botryoides	Hybrid Sydney Blue Gum	12	10	330	430	3960	2322	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
351	Eucalyptus pilularis	Blackbutt	8	3	160	180	2000	1611	Fair	3	2 (Medium SULE)	A2	No	
352	Eucalyptus pilularis	Blackbutt	18	10	350	390	4200	2228	Normal	4	1 (Long SULE)	A2	No	
353	Syncarpia glomulifera	Turpentine	10	6	340	450	4080	2366	Poor	2	3 (Short SULE)	Z4	No	
354	Eucalyptus pilularis	Blackbutt	10	7	220	260	2640	1879	Normal	4	1 (Long SULE)	A2	No	
355	Dead Tree	Dead Tree	6	2	200	200	2400	1683	Dead	1	4 (Remove)		No	
356	Eucalyptus sieberi	Black Ash	6	3	150	170	2000		Normal	4	1 (Long SULE)	A2	No	
357	Eucalyptus acmenioides	White Mahogany	23	14	380	460	4560	2388	Good	4	1 (Long SULE)	A2	No	
358	Eucalyptus sieberi	Black Ash	13	12	580	720	6960	2883	Good	4	1 (Long SULE)	A2	No	
359	Eucalyptus acmenioides	White Mahogany	14	8	340	400	4080	2252	Normal	4	1 (Long SULE)	A2	No	
360	Eucalyptus pilularis	Blackbutt	22	13	500	1200	6000	3570	Poor	2	3 (Short SULE)	Z4	No	
361	Eucalyptus sieberi	Black Ash	18	9	320	500	3840	2474	Good	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
362	Eucalyptus eugenioides	Thin-leaved Stringybark	25	18	600	750	7200	2933	Normal	3	2 (Medium SULE)	A2	No	
363	Syncarpia glomulifera	Turpentine	8	10	400	600	4800	2670	Normal	4	1 (Long SULE)	A2	No	
364	Eucalyptus sieberi	Black Ash	12	10	300	450	3600	2366	Fair	3	2 (Medium SULE)	A2	No	
365	Eucalyptus sieberi	Black Ash	20	18	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	
366	Syncarpia glomulifera	Turpentine	10	4	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
367	Syncarpia glomulifera	Turpentine	19	8	280	520	3360	2515	Normal	4	1 (Long SULE)	A2	No	
368	Eucalyptus acmenioides	White Mahogany	20	15	500	600	6000	2670	Fair	3	2 (Medium SULE)	A2	No	
369	Eucalyptus sieberi	Black Ash	12	8	180	220	2160	1752	Poor	2	3 (Short SULE)	Z4	No	
370	Syncarpia glomulifera	Turpentine	12	5	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
371	Syncarpia glomulifera	Turpentine	12	5	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
372	Syncarpia glomulifera	Turpentine	12	5	330	500	3960	2474	Normal	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
373	Eucalyptus eugenioides	Thin-leaved Stringybark	20	14	550	650	6600	2762	Normal	4	1 (Long SULE)	A2	No	
374	Eucalyptus acmenioides	White Mahogany	8	3	170	210	2040	1718	Normal	4	1 (Long SULE)	A2	No	
375	Syncarpia glomulifera	Turpentine	10	3	190	200	2280	1683	Normal	3	2 (Medium SULE)	A2	No	
376	Eucalyptus eugenioides	Thin-leaved Stringybark	23	16	460	600	5520	2670	Normal	4	1 (Long SULE)	A2	No	
377	Eucalyptus sieberi	Black Ash	14	10	450	540	5400	2555	Good	3	2 (Medium SULE)	A2	No	
378	Eucalyptus acmenioides	White Mahogany	15	4	400	460	4800	2388	Poor	1	4 (Remove)		No	
379	Eucalyptus sieberi	Black Ash	10	2	200	240	2400	1817	Normal	3	2 (Medium SULE)	A2	No	
380	Allocasuarina torulosa	Forest She-oak	14	6	330	430	3960	2322	Normal	4	1 (Long SULE)	A2	No	
381	Syncarpia glomulifera	Turpentine	10	4	260	320	3120	2051	Normal	4	1 (Long SULE)	A2	No	
382	Eucalyptus acmenioides	White Mahogany	10	5	220	280	2640	1939	Normal	4	1 (Long SULE)	A2	No	
383	Syncarpia glomulifera	Turpentine	10	5	260	320	3120	2051	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	рвн (тт)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
384	Eucalyptus eugenioides	Thin-leaved Stringybark	23	20	480	600	5760	2670	Normal	3	2 (Medium SULE)	A2	No	
385	Eucalyptus eugenioides	Thin-leaved Stringybark	8	3	200	250	2400	1849	Poor	1	4 (Remove)		No	
386	Syncarpia glomulifera	Turpentine	7	2	160	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
387	Eucalyptus eugenioides	Thin-leaved Stringybark	19	15	500	700	6000	2849	Poor	2	3 (Short SULE)	Z4	No	
388	Syncarpia glomulifera	Turpentine	7	4	260	300	3120	1996	Normal	3	2 (Medium SULE)	A2	No	
389	Syncarpia glomulifera	Turpentine	8	4	240	300	2880	1996	Normal	4	1 (Long SULE)	A2	No	
390	Syncarpia glomulifera	Turpentine	9	4	260	340	3120	2104	Normal	4	1 (Long SULE)	A2	No	
391	Eucalyptus paniculata	Grey Ironbark	9	4	320	400	3840	2252	Poor	1	3 (Short SULE)	Z4	No	
392	Eucalyptus pilularis	Blackbutt	17	15	450	600	5400	2670	Fair	3	2 (Medium SULE)	A2	No	
393	Eucalyptus paniculata	Grey Ironbark	15	13	450	600	5400	2670	Normal	4	1 (Long SULE)	A2	No	
394	Eucalyptus racemosa	Scribbly Gum	12	10	420	540	5040	2555	Normal	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
395	Eucalyptus racemosa	Scribbly Gum	12	8	350	430	4200	2322	Fair	3	2 (Medium SULE)	A2	No	
396	Eucalyptus haemastoma	Scribbly Gum	10	6	250	400	3000	2252	Fair	3	2 (Medium SULE)	A2	No	
397	Corymbia gummifera	Red Bloodwood	13	10	360	400	4320	2252	Normal	4	1 (Long SULE)	A2	No	
398	Eucalyptus haemastoma	Scribbly Gum	12	10	350	480	4200	2431	Fair	2	2 (Medium SULE)	A2	No	
399	Eucalyptus racemosa	Scribbly Gum	18	19	430	1100	5160	3440	Good	4	1 (Long SULE)	A2	No	
400	Corymbia gummifera	Red Bloodwood	13	5	280	340	3360	2104	Fair	3	2 (Medium SULE)	A2	No	
401	Corymbia gummifera	Red Bloodwood	8	3	150	170	2000		Fair	3	2 (Medium SULE)	A2	No	
402	Corymbia gummifera	Red Bloodwood	18	12	360	400	4320	2252	Normal	4	1 (Long SULE)	A2	No	
403	Corymbia gummifera	Red Bloodwood	15	10	260	320	3120	2051	Fair	3	2 (Medium SULE)	A2	No	
404	Eucalyptus haemastoma	Scribbly Gum	16	17	550	900	6600	3166	Normal	3	2 (Medium SULE)	A2	No	
405	Eucalyptus haemastoma	Scribbly Gum	15	15	430	500	5160	2474	Normal	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
406	Eucalyptus haemastoma	Scribbly Gum	15	15	380	460	4560	2388	Normal	3	2 (Medium SULE)	A2	No	
407	Eucalyptus haemastoma	Scribbly Gum	12	15	600	700	7200	2849	Normal	4	1 (Long SULE)	A2	No	
408	Eucalyptus haemastoma	Scribbly Gum	14	15	500	800	6000	3013	Normal	4	1 (Long SULE)	A2	No	
409	Eucalyptus haemastoma	Scribbly Gum	14	4	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
410	Eucalyptus haemastoma	Scribbly Gum	8	5	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
411	Eucalyptus haemastoma	Scribbly Gum	12	5	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
412	Eucalyptus haemastoma	Scribbly Gum	9	3	150	200	2000	1683	Normal	4	1 (Long SULE)	A2	No	
413	Eucalyptus haemastoma	Scribbly Gum	12	5	240	300	2880	1996	Normal	4	1 (Long SULE)	A2	No	
414	Eucalyptus haemastoma	Scribbly Gum	14	16	700	800	8400	3013	Good	4	1 (Long SULE)	A2	No	
415	Eucalyptus haemastoma	Scribbly Gum	10	10	430	580	5160	2633	Fair	3	2 (Medium SULE)	A2	No	
416	Eucalyptus haemastoma	Scribbly Gum	14	15	600	600	7200	2670	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
417	Eucalyptus haemastoma	Scribbly Gum	16	15	700	1000	8400	3309	Poor	2	3 (Short SULE)	Z4	Yes	
418	Eucalyptus haemastoma	Scribbly Gum	6	7	300	400	3600	2252	Poor	1	3 (Short SULE)	Z4	No	
419	Eucalyptus haemastoma	Scribbly Gum	8	6	350	600	4200	2670	Fair	3	2 (Medium SULE)	A2	No	
420	Eucalyptus pilularis	Blackbutt	16	4	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
421	Eucalyptus haemastoma	Scribbly Gum	14	6	360	550	4320	2575	Poor	2	3 (Short SULE)	Z4	No	
423	Eucalyptus haemastoma	Scribbly Gum	14	14	600	650	7200	2762	Fair	3	2 (Medium SULE)	A2	No	
424	Eucalyptus racemosa	Scribbly Gum	14	12	400	470	4800	2410	Normal	4	1 (Long SULE)	A2	No	
425	Eucalyptus haemastoma	Scribbly Gum	8	8	300	350	3600	2129	Fair	3	2 (Medium SULE)	A2	No	
426	Eucalyptus haemastoma	Scribbly Gum	8	6	250	380	3000	2204	Fair	2	2 (Medium SULE)	A2	No	
427	Eucalyptus haemastoma	Scribbly Gum	10	11	350	450	4200	2366	Fair	2	2 (Medium SULE)	A2	No	
428	Eucalyptus haemastoma	Scribbly Gum	12	12	550	700	6600	2849	Fair	2	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
429	Eucalyptus racemosa	Scribbly Gum	12	10	380	430	4560	2322	Fair	4	1 (Long SULE)	A2	No	
430	Eucalyptus racemosa	Scribbly Gum	12	10	450	1000	5400	3309	Fair	4	1 (Long SULE)	A2	No	
431	Eucalyptus racemosa	Scribbly Gum	12	4	220	260	2640	1879	Fair	4	1 (Long SULE)	A2	No	
432	Corymbia gummifera	Red Bloodwood	26	25	900	1400	10080	3810	Good	4	1 (Long SULE)	A2	No	
433	Eucalyptus haemastoma	Scribbly Gum	14	18	1100	1200	13200	3570	Normal	4	1 (Long SULE)	A2	No	
434	Eucalyptus haemastoma	Scribbly Gum	8	4	300	450	3600	2366	Poor	2	3 (Short SULE)	Z4	No	
435	Dead Tree	Dead Tree	2	3	160	210	2000	1718	Poor	1	3 (Short SULE)	Z4	No	
436	Corymbia gummifera	Red Bloodwood	15	15	360	450	4320	2366	Normal	4	1 (Long SULE)	A2	No	
437	Corymbia gummifera	Red Bloodwood	15	8	330	420	3960	2299	Normal	4	1 (Long SULE)	A2	No	
438	Corymbia gummifera	Red Bloodwood	16	12	500	700	6000	2849	Normal	4	1 (Long SULE)	A2	No	
439	Dead Tree	Dead Tree	14	3	350	470	4200	2410	Dead	1	4 (Remove)		No	
440	Eucalyptus haemastoma	Scribbly Gum	10	8	340	600	4080	2670	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
441	Corymbia gummifera	Red Bloodwood	15	10	340	410	4080	2276	Fair	3	2 (Medium SULE)	A2	No	
442	Corymbia gummifera	Red Bloodwood	16	10	650	800	7800	3013	Fair	4	1 (Long SULE)	A2	No	
443	Corymbia gummifera	Red Bloodwood	15	9	400	600	4800	2670	Fair	3	2 (Medium SULE)	A2	No	
444	Eucalyptus haemastoma	Scribbly Gum	9	4	150	200	2000	1683	Normal	4	1 (Long SULE)	A2	No	
445	Eucalyptus haemastoma	Scribbly Gum	6	3	200	270	2400	1910	Fair	3	2 (Medium SULE)	A2	No	
446	Eucalyptus haemastoma	Scribbly Gum	14	10	550	700	6600	2849	Normal	4	1 (Long SULE)	A2	No	
447	Eucalyptus haemastoma	Scribbly Gum	18	12	360	600	4320	2670	Poor	1	3 (Short SULE)	Z4	No	
448	Corymbia gummifera	Red Bloodwood	24	6	440	600	5280	2670	Fair	3	2 (Medium SULE)	A2	No	
449	Syncarpia glomulifera	Turpentine	21	9	300	380	3600	2204	Fair	3	2 (Medium SULE)	A2	No	
450	Allocasuarina littoralis	Black She-oak	19	7	330	400	3960	2252	Fair	3	2 (Medium SULE)	A2	No	
451	Corymbia gummifera	Red Bloodwood	18	6	250	300	3000	1996	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
452	Corymbia gummifera	Red Bloodwood	18	6	310	360	3720	2155	Poor	2	3 (Short SULE)	Z4	No	
453	Eucalyptus haemastoma	Scribbly Gum	10	3	320	400	3840	2252	Fair	3	2 (Medium SULE)	A2	No	
454	Allocasuarina littoralis	Black She-oak	10	5	200	340	2400	2104	Dead	4	1 (Long SULE)	A2	No	
455	Corymbia gummifera	Red Bloodwood	15	10	400	500	4800	2474	Fair	4	1 (Long SULE)	A2	No	
456	Syncarpia glomulifera	Turpentine	12	6	210	300	2520	1996	Fair	4	1 (Long SULE)	A2	No	
457	Corymbia gummifera	Red Bloodwood	15	4	350	450	4200	2366	Normal	4	1 (Long SULE)	A2	No	
458	Eucalyptus racemosa	Scribbly Gum	12	10	300	350	3600	2129	Normal	4	1 (Long SULE)	A2	No	
459	Corymbia gummifera	Red Bloodwood	10	3	230	300	2760	1996	Normal	4	1 (Long SULE)	A2	No	
460	Syncarpia glomulifera	Turpentine	10	3	220	280	2640	1939	Normal	4	1 (Long SULE)	A2	No	
461	Eucalyptus sieberi	Black Ash	10	6	170	220	2040	1752	Fair	3	2 (Medium SULE)	A2	No	
462	Syncarpia glomulifera	Turpentine	12	3	210	300	2520	1996	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
463	Corymbia gummifera	Red Bloodwood	12	3	260	320	3120	2051	Normal	4	1 (Long SULE)	A2	No	
464	Allocasuarina littoralis	Black She-oak	8	4	160	220	2000	1752	Normal	4	1 (Long SULE)	A2	No	
465	Corymbia gummifera	Red Bloodwood	12	5	260	320	3120	2051	Normal	4	1 (Long SULE)	A2	No	
466	Eucalyptus pilularis	Blackbutt	18	12	500	500	6000	2474	Fair	3	2 (Medium SULE)	A2	No	
467	Syncarpia glomulifera	Turpentine	10	4	350	400	4200	2252	Normal	4	1 (Long SULE)	A2	No	
468	Syncarpia glomulifera	Turpentine	10	4	350	400	4200	2252	Normal	4	1 (Long SULE)	A2	No	
469	Eucalyptus pilularis	Blackbutt	25	17	800	1100	9600	3440	Normal	4	1 (Long SULE)	A2	No	
470	Syncarpia glomulifera	Turpentine	12	3	200	220	2400	1752	Normal	4	1 (Long SULE)	A2	No	
471	Syncarpia glomulifera	Turpentine	10	3	200	220	2400	1752	Normal	4	1 (Long SULE)	A2	No	
472	Eucalyptus sieberi	Black Ash	23	20	550	700	6600	2849	Good	4	1 (Long SULE)	A2	No	
473	Eucalyptus pilularis	Blackbutt	25	14	550	650	6600	2762	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
474	Syncarpia glomulifera	Turpentine	12	2	400	500	4800	2474	Normal	4	1 (Long SULE)	A2	No	
475	Eucalyptus pilularis	Blackbutt	15	10	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	
476	Eucalyptus pilularis	Blackbutt	10	1	420	550	5040	2575	Poor	1	3 (Short SULE)	Z4	No	
477	Dead Tree	Dead Tree	10	1	300	450	3600	2366	Dead	1	4 (Remove)		No	
478	Syncarpia glomulifera	Turpentine	8	2	490	600	5880	2670	Poor	2	3 (Short SULE)	Z4	No	
479	Eucalyptus pilularis	Blackbutt	15	5	200	250	2400	1849	Fair	3	2 (Medium SULE)	A2	No	
480	Eucalyptus pilularis	Blackbutt	25	10	420	530	5040	2535	Normal	3	2 (Medium SULE)	A2	No	
481	Syncarpia glomulifera	Turpentine	18	10	480	590	5760	2652	Normal	3	2 (Medium SULE)	A2	No	
482	Eucalyptus pilularis	Blackbutt	27	10	450	550	5400	2575	Normal	4	1 (Long SULE)	A2	No	
483	Dead Tree	Dead Tree	10	2	300	370	3600	2180	Dead	1	4 (Remove)		No	
484	Eucalyptus acmenioides	White Mahogany	17	8	490	600	5880	2670	Normal	3	2 (Medium SULE)	A2	No	
485	Eucalyptus sieberi	Black Ash	14	4	280	440	3360	2344	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
486	Eucalyptus pilularis	Blackbutt	30	28	1300	1500	15000	3920	Good	5	1 (Long SULE)	A3	No	
487	Eucalyptus pilularis	Blackbutt	28	10	500	650	6000	2762	Normal	4	1 (Long SULE)	A2	No	
488	Syncarpia glomulifera	Turpentine	10	3	270	310	3240	2024	Normal	4	1 (Long SULE)	A2	No	
489	Eucalyptus pilularis	Blackbutt	32	30	900	1100	10080	3440	Normal	5	1 (Long SULE)	A3	No	
490	Syncarpia glomulifera	Turpentine	9	30	150	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
491	Eucalyptus acmenioides	White Mahogany	15	10	460	580	5520	2633	Normal	3	2 (Medium SULE)	A2	No	
492	Syncarpia glomulifera	Turpentine	12	3	400	520	4800	2515	Normal	2	2 (Medium SULE)	A2	No	
493	Eucalyptus pilularis	Blackbutt	32	19	800	1400	9600	3810	Poor	5	1 (Long SULE)	A3	No	
494	Eucalyptus acmenioides	White Mahogany	25	18	460	590	5520	2652	Normal	4	1 (Long SULE)	A2	No	
495	Dead Tree	Dead Tree	12	2	380	500	4560	2474	Dead	1	4 (Remove)		No	
496	Eucalyptus pilularis	Blackbutt	31	25	650	850	7800	3091	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
497	Syncarpia glomulifera	Turpentine	10	4	180	300	2160	1996	Normal	4	1 (Long SULE)	A2	No	
498	Syncarpia glomulifera	Turpentine	12	4	300	450	3600	2366	Fair	3	2 (Medium SULE)	A2	No	
499	Dead Tree	Dead Tree	12	4	300	450	3600	2366	Dead	1	4 (Remove)		No	
500	Syncarpia glomulifera	Turpentine	16	12	350	450	4200	2366	Normal	4	1 (Long SULE)	A2	No	
501	Eucalyptus acmenioides	White Mahogany	14	10	200	450	2400	2366	Poor	1	3 (Short SULE)	Z4	No	
502	Eucalyptus sieberi	Black Ash	22	20	750	800	9000	3013	Good	4	1 (Long SULE)	A2	No	
503	Syncarpia glomulifera	Turpentine	14	5	300	400	3600	2252	Normal	4	1 (Long SULE)	A2	No	
504	Allocasuarina torulosa	Forest She-oak	10	4	170	250	2040	1849	Normal	4	1 (Long SULE)	A2	No	
505	Syncarpia glomulifera	Turpentine	12	6	200	500	2400	2474	Normal	4	1 (Long SULE)	A2	No	
506	Eucalyptus acmenioides	White Mahogany	15	10	300	350	3600	2129	Fair	3	2 (Medium SULE)	A2	No	
507	Allocasuarina littoralis	Black She-oak	10	5	180	200	2160	1683	Fair	3	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
508	Eucalyptus sieberi	Black Ash	30	20	1500	1700	15000	4140	Good	5	1 (Long SULE)	A3	No	
512	Eucalyptus sieberi	Black Ash	30	15	500	550	6000	2575	Normal	4	1 (Long SULE)	A2	No	
513	Syncarpia glomulifera	Turpentine	18	8	250	350	3000	2129	Fair	3	2 (Medium SULE)	A2	No	
514	Eucalyptus acmenioides	White Mahogany	18	7	250	350	3000	2129	Fair	3	2 (Medium SULE)	A2	No	
515	Syncarpia glomulifera	Turpentine	15	5	200	240	2400	1817	Fair	3	2 (Medium SULE)	A2	No	
516	Syncarpia glomulifera	Turpentine	18	8	350	420	4200	2299	Fair	3	2 (Medium SULE)	A2	No	
517	Syncarpia glomulifera	Turpentine	15	5	200	260	2400	1879	Fair	4	1 (Long SULE)	A2	No	
518	Syncarpia glomulifera	Turpentine	15	5	200	260	2400	1879	Fair	4	1 (Long SULE)	A2	No	
519	Syncarpia glomulifera	Turpentine	12	4	180	220	2160	1752	Normal	4	1 (Long SULE)	A2	No	
520	Eucalyptus sieberi	Black Ash	12	6	260	280	3120	1939	Normal	4	1 (Long SULE)	A2	No	
521	Syncarpia glomulifera	Turpentine	12	4	170	210	2040	1718	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
522	Syncarpia glomulifera	Turpentine	12	4	170	210	2040	1718	Normal	4	1 (Long SULE)	A2	No	
523	Eucalyptus sieberi	Black Ash	28	16	550	1000	6600	3309	Fair	3	2 (Medium SULE)	A2	No	
524	Syncarpia glomulifera	Turpentine	12	3	240	300	2880	1996	Normal	4	1 (Long SULE)	A2	No	
525	Syncarpia glomulifera	Turpentine	12	3	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
526	Syncarpia glomulifera	Turpentine	12	3	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
527	Syncarpia glomulifera	Turpentine	12	3	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
528	Syncarpia glomulifera	Turpentine	12	3	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
529	Allocasuarina torulosa	Forest She-oak	7	4	170	200	2040	1683	Normal	4	1 (Long SULE)	A2	No	
530	Eucalyptus eugenioides	Thin-leaved Stringybark	26	20	1000	900	12000	3166	Fair	3	2 (Medium SULE)	A2	No	
531	Syncarpia glomulifera	Turpentine	13	6	400	540	4800	2555	Normal	4	1 (Long SULE)	A2	No	
532	Syncarpia glomulifera	Turpentine	14	6	300	350	3600	2129	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
533	Syncarpia glomulifera	Turpentine	18	6	350	500	4200	2474	Normal	4	1 (Long SULE)	A2	No	
534	Syncarpia glomulifera	Turpentine	18	6	300	350	3600	2129	Normal	4	1 (Long SULE)	A2	No	
535	Syncarpia glomulifera	Turpentine	7	2	150	180	2000	1611	Normal	4	1 (Long SULE)	A2	No	
536	Eucalyptus sieberi	Black Ash	28	15	650	800	7800	3013	Normal	4	1 (Long SULE)	A2	No	
537	Syncarpia glomulifera	Turpentine	15	5	320	450	3840	2366	Normal	4	1 (Long SULE)	A2	No	
538	Eucalyptus acmenioides	White Mahogany	28	10	450	580	5400	2633	Normal	3	2 (Medium SULE)	A2	No	
539	Eucalyptus acmenioides	White Mahogany	20	10	330	450	3960	2366	Fair	3	2 (Medium SULE)	A2	No	
540	Syncarpia glomulifera	Turpentine	12	4	360	550	4320	2575	Fair	3	2 (Medium SULE)	A2	No	
541	Eucalyptus sieberi	Black Ash	32	25	700	950	8400	3239	Poor	2	3 (Short SULE)	Z4	Yes	
542	Syncarpia glomulifera	Turpentine	14	6	290	340	3480	2104	Normal	4	1 (Long SULE)	A2	No	
543	Syncarpia glomulifera	Turpentine	14	6	290	340	3480	2104	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	ОВН (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
544	Eucalyptus acmenioides	White Mahogany	14	6	290	350	3480	2129	Poor	2	3 (Short SULE)	Z4	No	
545	Eucalyptus acmenioides	White Mahogany	30	20	700	850	8400	3091	Fair	3	2 (Medium SULE)	A2	No	
546	Eucalyptus acmenioides	White Mahogany	18	5	300	410	3600	2276	Normal	3	2 (Medium SULE)	A2	No	
547	Eucalyptus acmenioides	White Mahogany	20	12	340	440	4080	2344	Normal	3	2 (Medium SULE)	A2	No	
548	Syncarpia glomulifera	Turpentine	12	4	230	280	2760	1939	Normal	4	1 (Long SULE)	A2	No	
549	Syncarpia glomulifera	Turpentine	10	1	170	200	2040	1683	Fair	3	2 (Medium SULE)	A2	No	
550	Dead Tree	Dead Tree	10	2	300	400	3600	2252	Dead	1	4 (Remove)		No	
551	Syncarpia glomulifera	Turpentine	13	2	180	230	2160	1785	Normal	4	1 (Long SULE)	A2	No	
552	Syncarpia glomulifera	Turpentine	14	5	230	300	2760	1996	Normal	4	1 (Long SULE)	A2	No	
553	Syncarpia glomulifera	Turpentine	14	5	230	300	2760	1996	Normal	4	1 (Long SULE)	A2	No	
554	Eucalyptus sieberi	Black Ash	28	20	600	800	7200	3013	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
555	Syncarpia glomulifera	Turpentine	10	4	200	260	2400	1879	Normal	4	1 (Long SULE)	A2	No	
556	Syncarpia glomulifera	Turpentine	14	6	300	420	3600	2299	Normal	4	1 (Long SULE)	A2	No	
557	Syncarpia glomulifera	Turpentine	14	6	210	300	2520	1996	Normal	4	1 (Long SULE)	A2	No	
558	Eucalyptus resinifera	Red Mahogany	28	20	500	620	6000	2707	Normal	4	1 (Long SULE)	A2	No	
559	Syncarpia glomulifera	Turpentine	14	5	200	300	2400	1996	Normal	4	1 (Long SULE)	A2	No	
560	Syncarpia glomulifera	Turpentine	14	5	200	300	2400	1996	Normal	4	1 (Long SULE)	A2	No	
561	Syncarpia glomulifera	Turpentine	10	2	150	200	2000	1683	Normal	4	1 (Long SULE)	A2	No	
562	Eucalyptus paniculata	Grey Ironbark	28	20	850	850	10020	3091	Normal	4	1 (Long SULE)	A2	No	
563	Syncarpia glomulifera	Turpentine	10	4	200	220	2400	1752	Normal	4	1 (Long SULE)	A2	No	
564	Syncarpia glomulifera	Turpentine	18	10	450	580	5400	2633	Normal	4	1 (Long SULE)	A2	No	
565	Syncarpia glomulifera	Turpentine	18	7	450	580	5400	2633	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
566	Eucalyptus sieberi	Black Ash	28	12	500	1100	6000	3440	Normal	4	1 (Long SULE)	A2	No	
567	Eucalyptus sieberi	Black Ash	26	15	550	700	6600	2849	Poor	2	3 (Short SULE)	Z4	No	
568	Syncarpia glomulifera	Turpentine	14	3	190	210	2280	1718	Normal	4	1 (Long SULE)	A2	No	
569	Syncarpia glomulifera	Turpentine	14	8	360	450	4320	2366	Normal	4	1 (Long SULE)	A2	No	
570	Eucalyptus acmenioides	White Mahogany	25	18	600	750	7200	2933	Normal	4	1 (Long SULE)	A2	No	
571	Dead Tree	Dead Tree	22	8	600	800	7200	3013	Dead	1	4 (Remove)		No	
572	Syncarpia glomulifera	Turpentine	10	4	200	250	2400	1849	Normal	4	1 (Long SULE)	A2	No	
573	Eucalyptus sieberi	Black Ash	14	4	180	230	2160	1785	Good	4	1 (Long SULE)	A2	No	
574	Syncarpia glomulifera	Turpentine	14	4	230	280	2760	1939	Normal	4	1 (Long SULE)	A2	No	
575	Syncarpia glomulifera	Turpentine	14	4	230	280	2760	1939	Normal	4	1 (Long SULE)	A2	No	
576	Eucalyptus acmenioides	White Mahogany	25	10	500	600	6000	2670	Poor	2	2 (Medium SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
577	Eucalyptus paniculata	Grey Ironbark	25	15	500	630	6000	2730	Poor	2	2 (Medium SULE)	A2	No	
578	Eucalyptus sieberi	Black Ash	25	8	410	500	4920	2474	Normal	4	1 (Long SULE)	A2	No	
579	Syncarpia glomulifera	Turpentine	24	7	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	
580	Syncarpia glomulifera	Turpentine	18	10	400	600	4800	2670	Normal	4	1 (Long SULE)	A2	No	
581	Eucalyptus sieberi	Black Ash	24	8	400	500	4800	2474	Normal	4	1 (Long SULE)	A2	No	
582	Syncarpia glomulifera	Turpentine	26	20	750	1100	9000	3440	Normal	4	1 (Long SULE)	A2	No	
583	Eucalyptus resinifera	Red Mahogany	28	20	600	800	7200	3013	Normal	4	1 (Long SULE)	A2	No	
584	Eucalyptus sieberi	Black Ash	23	18	460	580	5520	2633	Fair	3	2 (Medium SULE)	A2	No	
585	Eucalyptus resinifera	Red Mahogany	28	15	600	770	7200	2965	Normal	4	1 (Long SULE)	A2	No	
586	Eucalyptus sieberi	Black Ash	24	15	600	700	7200	2849	Normal	4	1 (Long SULE)	A2	No	
587	Eucalyptus sieberi	Black Ash	10	2	170	200	2040	1683	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
588	Eucalyptus sieberi	Black Ash	24	18	460	540	5520	2555	Normal	4	1 (Long SULE)	A2	No	
589	Syncarpia glomulifera	Turpentine	8	3	180	300	2160	1996	Normal	4	1 (Long SULE)	A2	No	
590	Eucalyptus sieberi	Black Ash	15	8	340	400	4080	2252	Normal	4	1 (Long SULE)	A2	No	
591	Eucalyptus sieberi	Black Ash	15	8	340	400	4080	2252	Normal	4	1 (Long SULE)	A2	No	
592	Syncarpia glomulifera	Turpentine	8	4	250	300	3000	1996	Normal	4	1 (Long SULE)	A2	No	
593	Eucalyptus sieberi	Black Ash	32	20	650	850	7800	3091	Good	4	1 (Long SULE)	A2	No	
594	Eucalyptus sieberi	Black Ash	11	8	240	350	2880	2129	Normal	4	1 (Long SULE)	A2	No	
595	Eucalyptus sieberi	Black Ash	32	20	600	750	7200	2933	Normal	4	1 (Long SULE)	A2	No	
596	Eucalyptus sieberi	Black Ash	10	4	160	220	2000	1752	Normal	4	1 (Long SULE)	A2	No	
597	Allocasuarina littoralis	Black She-oak	10	6	150	200	2000	1683	Normal	4	1 (Long SULE)	A2	No	
598	Angophora costata	Smooth-barked Apple Myrtle	8	4	180	240	2160	1817	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
599	Eucalyptus acmenioides	White Mahogany	30	26	700	900	8400	3166	Normal	4	1 (Long SULE)	A2	No	
601	Eucalyptus acmenioides	White Mahogany	9	4	150	200	2000	1683	Fair	4	1 (Long SULE)	A2	No	
600	Eucalyptus sieberi	Black Ash	17	4	200	230	2400	1785	Normal	4	1 (Long SULE)	A2	No	
602	Eucalyptus sieberi	Black Ash	18	7	350	450	4200	2366	Normal	4	1 (Long SULE)	A2	No	
603	Eucalyptus sieberi	Black Ash	31	18	700	850	8400	3091	Good	4	1 (Long SULE)	A2	No	
604	Eucalyptus acmenoides	White Mahogany	10	8	300	380	3600	2204	Poor	2	3 (Short SULE)	Z4	No	
605	Syncarpia glomulifera	Turpentine	14	8	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	
606	Eucalyptus sieberi	Black Ash	15	12	500	700	6000	2849	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
607	Syncarpia glomulifera	Turpentine	18	10	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
608	Eucalyptus sieberi	Black Ash	21	18	650	750	7800	2933	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
609	Eucalyptus sieberi	Black Ash	18	16	500	800	6000	3013	Poor	2	3 (Short SULE)	Z4	No	
610	Syncarpia glomulifera	Turpentine	14	8	700	850	8400	3091	Dead	3	2 (Medium SULE)	A2	No	
611	Melia azedarach	White Cedar	5	4	170	200	2040	1683	Normal	4	1 (Long SULE)	A2	No	
612	Syncarpia glomulifera	Turpentine	13	10	450	590	5400	2652	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
613	Syncarpia glomulifera	Turpentine	14	12	700	800	8400	3013	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
614	Eucalyptus sieberi	Black Ash	25	15	650	750	7800	2933	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
615	Syncarpia glomulifera	Turpentine	18	14	1000	1500	12000	3920	Normal	4	1 (Long SULE)	A2	No	Neighbors tree not tagged
616	Syncarpia glomulifera	Turpentine	22	9	600	800	7200	3013	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
617	Syncarpia glomulifera	Turpentine	16	8	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
618	Eucalyptus sieberi	Black Ash	30	20	1200	1300	14400	3695	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
619	Syncarpia glomulifera	Turpentine	14	8	500	780	6000	2981	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
620	Syncarpia glomulifera	Turpentine	10	5	300	400	3600	2252	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
621	Syncarpia glomulifera	Turpentine	18	12	500	600	6000	2670	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
622	Eucalyptus sieberi	Black Ash	25	20	650	750	7800	2933	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
623	Syncarpia glomulifera	Turpentine	22	16	850	1000	10020	3309	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
624	Jacaranda mimosifolia	Jacaranda	9	4	250	330	3000	2077	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
625	Syncarpia glomulifera	Turpentine	23	18	750	1000	9000	3309	Normal	4	1 (Long SULE)	A2	No	



Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
626	Lophostemon confertus	Queensland Box	9	8	500	550	6000	2575	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
627	Eucalyptus pilularis	Blackbutt	38	24	1100	1400	13200	3810	Good	5	1 (Long SULE)	A3	No	Neighbors tree - tagged on fence/tree
628	Eucalyptus punctata	Grey Gum	28	19	650	850	7800	3091	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
629	Callistemon salignus	Willow Bottlebrush	18	9	350	450	4200	2366	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
630	Jacaranda mimosifolia	Jacaranda	12	12	450	550	5400	2575	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
631	Eucalyptus pilularis	Blackbutt	12	10	470	550	5640	2575	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
632	Syncarpia glomulifera	Turpentine	20	10	500	650	6000	2762	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
633	Syncarpia glomulifera	Turpentine	15	8	400	550	4800	2575	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree



Hornsby Council- Assessment of treesigh Reservoir-Quarter Sessions Rd. Westleigh

Tree no.	Scientific Name	Common Name	Height (M)	Spread (M)	DBH (mm)	DAB (mm)	TPZ (mm	SRZ (mm)	Vigour	Condition	SULE	Tree/AZ	Hollows	Notes/ Comments
634	Syncarpia glomulifera	Turpentine	15	8	550	600	6600	2670	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
635	Eucalyptus pilularis	Blackbutt	28	12	500	650	6000	2762	Fair	3	2 (Medium SULE)	A2	No	
636	Eucalyptus acmenioides	White Mahogany	25	18	500	650	6000	2762	Fair	3	2 (Medium SULE)	A2	No	Neighbors tree - tagged on fence/tree
637	Syncarpia glomulifera	Turpentine	25	10	600	700	7200	2849	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
638	Acer buergerianum	Trident Maple	11	16	450	650	5400	2762	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree
639	Liquidambar styraciflua	Sweet Gum	20	25	800	1200	9600	3570	Normal	4	1 (Long SULE)	A2	No	Neighbors tree - tagged on fence/tree



S.U.L.E Ratings

SULE is a method of assessing the relative importance of individual trees within an identified group (normally a development site with finite boundaries). It is based on subjective assessment and cannot be considered an absolute judgement. Realistically, the best that can be achieved is a broad categorisation of good, medium and bad. Identifying the extremes of good and bad is not usually contentious; the medium category is normally the most difficult. SULE helps the making of informed judgements on which trees are the most important in planning decisions. The nature of trees and opinions on trees is extremely variable; this means that there are always exceptions to the rules and common sense is an important aspect of applying the method. Only a person experienced and knowledgeable in the management of trees can carry out a competent SULE assessment. SULE is a means of presenting complex tree information in a simplified form that professionals with no tree expertise can understand and use to make judgements in the wider context. These professionals are normally layout designers who have to decide which trees to keep and lose in planning new developments close to trees.⁵

The following chart shows the breakdown of S.U.L.E ratings across the surveyed trees.

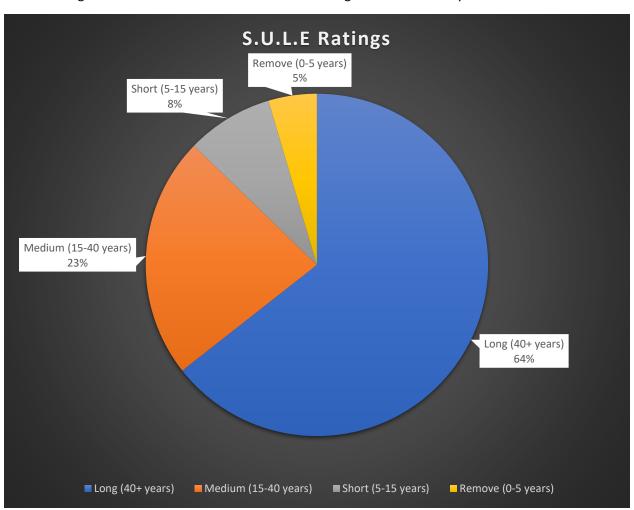


Figure 3- Pie Chart showing the S.U.L.E ratings of the surveyed trees.

⁵ Barrell Tree Consultancy- TreeAZ.com- S.U.L.E Its use and status into the new millennium.



Tree AZ Ratings

One of the most fundamental decisions affecting tree management concerns whether trees are suitable for retention or not. Traditionally, these decisions have been based on assessing characteristics that add obvious value, such as good form, long life expectancy and size. The dilemma with this approach is that it seems right, but determining value is notoriously unreliable because there are so many extremely complicated elements to consider. The TreeAZ method of tree assessment approaches this problem from another angle, effectively sidestepping many of these difficulties and providing a means for tree managers to make consistently reliable and defensible decisions. Instead of assessing all the good things about trees, which would be a particularly tricky task, it focuses on the bad things that would justify felling. If there are no valid reasons to fell a tree, then it is considered good by default and quantifying the amount of 'goodness' it has is frequently unnecessary. Instinctively, we all know that trees are good, but their many benefits are offset as individuals become more of a risk, more of a nuisance and more of a management problem. TreeAZ adopts this starting point that all trees are good; it then systematically reviews the factors that could reasonably result in them being felled and, if they pass all those tests, then they are worth retaining. Its systematic structure allows tree managers to reveal their decision-making process in a transparent way, significantly reducing the risk of any criticism, should any harm arise from their decision. The following chart shows the breakdown of tree AZ ratings across the surveyed trees.⁶

The following chart shows the breakdown of TreeAZ ratings across the surveyed trees.

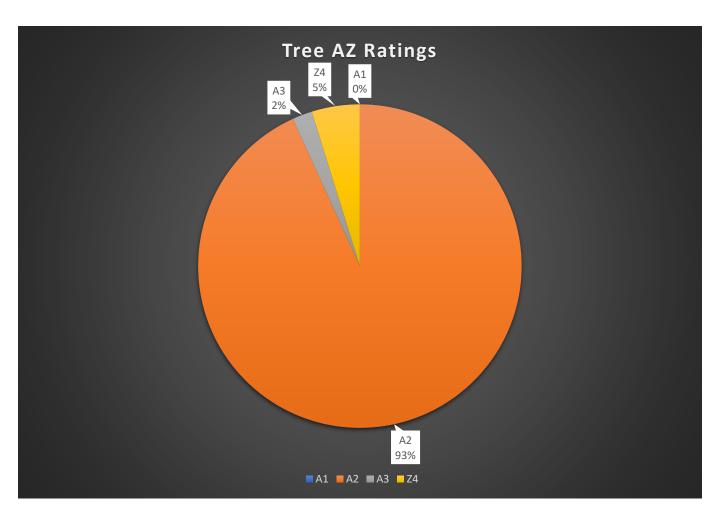


Figure 4- Pie chart showing the tree AZ ratings allocated to the surveyed trees.

⁶ Barrell Tree Consultancy- TreeAZ system- TreeAZ.com



Hornsby Council- Assessment of trees-

Tree species identified

There were twenty-six (26) tree species captured during our assessment. The site was dominated by nine (9) species which account for 569 of the 635 surveyed trees, which amounts to 89.6% of the surveyed tree population. The dominant species and associated understorey appeared consistent with the list of tree communities and threatened endangered tree communities, listed on Hornsby Shire Councils website as existing in the location.

The following chart shows the breakdown of tree species across the surveyed area.

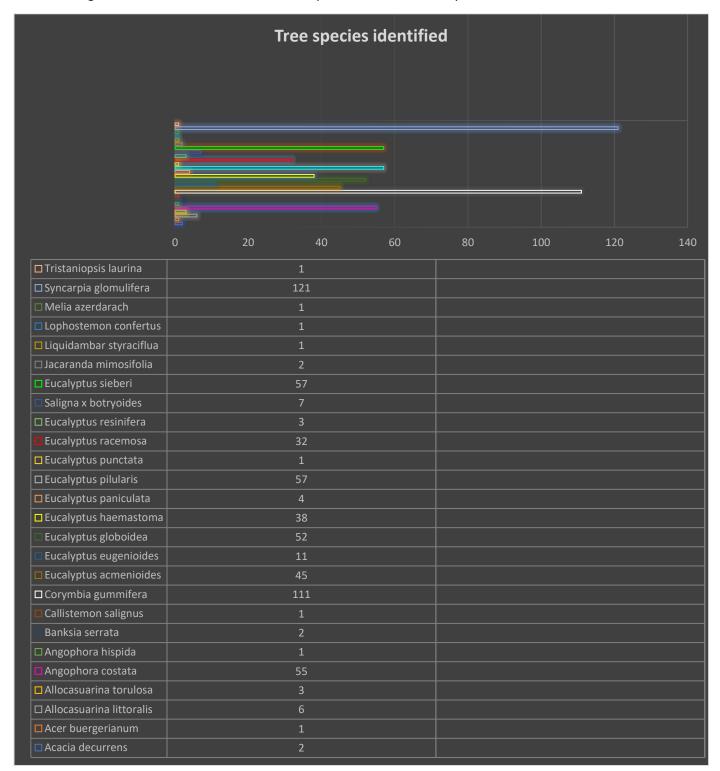


Figure 5- The figure above shows the total number of each tree species identified on site.



Conclusions

The proposed development at Westleigh Park and Sydney Water Thornleigh Reservoir includes the construction of a roadway in one of two locations, either within Westleigh Park or within the Sydney Water property adjacent.

The site is home to several threatened species and five vegetation communities, including;

- Sydney Turpentine Ironbark Forest (Critically Endangered Ecological Community)
- Duffy's Forest (Endangered Ecological Community)
- · Scribbly Gum Open Woodland
- Bloodwood Scribbly Gum Woodland
- Peppermint Angophora Forest

The presence of the first four (4) of these communities was confirmed by the species which were dominating the collection data and associated understorey plants and shrubs which were not captured as part of this assessment.

The scope of this assessment was to survey all trees within ten (10) metres of the edge of the existing track or the existing vegetation line.

A total of six hundred and thirty-five trees were surveyed as part of this assessment.

A total of five (5) trees (47-48-260-417-541) contained hollows which may have the potential to provide current or future nesting opportunities for native birds or arboreal mammals.

Detailed maps showing tree numbers and tree protection zones will be provided in separate files, along with Excel spreadsheets with coordinates that can be uploaded into CAD files if so desired during the design process.

The current proposal is still in concept stage, so is lacking in sufficient detail to allow all of the impacts to be fully assessed. Once the designs have been finalised and construction drawings have been prepared, the findings of this report should be cross-checked to ensure accuracy of information.

A site-specific tree protection plan will also need to be compiled to specify the tree protection requirements relative to each tree.

Generic tree protection measures are provided in Appendix 2.



- Mattheck, C. & Breloer, H. 1994, *The Body Language of Trees*. The Stationery Office. London.
- Matheny, N. & Clark, J. 1994. *A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas.* International Society of Arboriculture. Illinois.
- Lonsdale, D. 1999. *Principles of Tree Hazard Assessment and Management.* Arboricultural Association. Stonehouse (UK).
- Barrell, J. 2009. *SULE: Its use and status into the new millennium*. Barrell Tree Consultancy. Hampshire, UK.
- Standards Australia. 2009. *AS4970-2009 Protection of trees on development sites.* Standards Australia. Sydney.
- Google Maps. 2019. The location of Westleigh Park.
 Accessed at http://maps.google.com
 Accessed 28-12-19.



Disclaimer:

The information contained within this report is to be used solely for the purposes that were specified at the time of engagement.

All attempts have been made to ensure the legitimacy of any information which has been gathered in the process of compiling this report, however Truth About Trees cannot be held liable for inaccurate or misguiding information which has been provided by others.

Any tree inspections or assessments which have been carried out for the purposes of this report are valid only at the time of inspection and are based on what could reasonably be seen or diagnosed from a visual inspection carried out from ground level.

All inspections, unless otherwise stated, are based upon Visual Tree Assessment (VTA) techniques, industry best practice and applied knowledge. No internal diagnostic testing or below ground investigation has been carried out, unless otherwise stated.

Trees are a dynamic living organism and as such they have a finite lifespan the end of which cannot always be predicted or understood, even apparently healthy trees can die suddenly or fall without warning. As such there is no warranty or guarantee provided, or implied, regarding the future risks associated with any tree.

Please feel free to contact me either via telephone or email if you have any questions regarding this report.

Kind regards

Tom Hare- AQF level 5 Consulting Arborist

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Appendix 1: Tree assessment methodology

1.1 Visual Tree Assessment (VTA)

The VTA system is based on the theory of tree biology and physiology, as well as tree architecture and structure. This method is used by arborists to identify visible signs on trees that indicate good health, or potential problems. Symptoms of decay, growth patterns and defects are identified and assessed as to their potential to cause whole-tree, part-tree and/or branch failure. This system is based around methods discussed in `The Body Language of Trees'7. For the purpose of this report, elements of the VTA system will be used, along with industry standard literature, and other relevant studies that provide an insight into potential hazards in trees. This assessment is a snapshot of what could be reasonably seen or determined from a basic visual inspection. The VTA system is generally used as a means to identify hazardous trees; however it is important to realize that for a tree to be hazardous there must be a target; a hazard poses no risk if there is no exposure to the hazard.

1.1.1 Health and Vigour Assessment

The health and vigour of a tree is assessed by looking at the tree canopy and how it is performing. Certain indicators provide information on which to base the assessment. Abnormally small leaves, chlorosis (yellowing), sparse crown, wilting, and die-back can be signs of ill-health or decline but may also be related to a temporary imbalance due to drought or pest infestations. Epicormic growth can be a sign of stress and low energy reserves but can also be related to increased light levels through the removal or pruning of adjacent trees. Extension growth can be a good indicator of vigour but this can vary greatly between species and under differing climatic conditions. For these reasons, each individual symptom or observation needs to be assessed with objectivity and consideration of all available information.

1.1.2 Structural Assessment

The structural assessment of trees is carried out using the basic framework of Visual Tree Assessment. Signs and symptoms of defects are assessed to gauge the likelihood of failure, because not every defect constitutes a hazard e.g. "...co-dominant stems are a structural defect. The severity of the defect is increased by included bark, large crowns and strong wind." If trees were removed purely on the basis that there were defects present without assessing the likelihood of failure or whether practical mitigation measures are available, the urban forest would cease to exist. A basic visual tree assessment is undertaken from ground level, if defects are suspected further investigation may be required and recommended. "[When using] the Visual Tree Assessment (VTA) procedure for assessing trees, as the suspicion increases that defects are present, the examination becomes more thorough and searching." 1

"Some defects, especially some forms of decay, do not give rise to external signs and therefore tend to escape detection in a purely visual survey. If there is no reason for suspecting a hidden defect to occur within a particular part of the tree, there is no reasonable basis for carrying out a detailed internal assessment. Although in theory an unsuspected defect might be detectable by the use of specialized diagnostic devices, this would be impracticable in the absence of some external sign to indicate the place which should be probed. Also, internal examination without good reason is undesirable, as it usually causes injury to the tree and is unreasonably time consuming and costly."

⁹ Lonsdale. 1999. *Principles of Tree Hazard Assessment and Management.*



 $^{^{7}}$ Mattheck, C. & Broeler, H. 1994. The Body Language of Trees.

⁸ Matheny, N. & Clark, J. 1994. A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas.

Tree Protection Zone (TPZ) & Structural Root Zone (SRZ) Calculations 1.2

In accordance with Australian Standard AS4970-2009 Protection of trees on development sites¹⁰, Tree Protection Zone (TPZ) radius is calculated using the following procedure. Diameter of the trunk is measured at approximately 1.4m above ground level; this measurement is referred to as DBH (Diameter at Breast Height). $R_{TPZ} = DBH \times 12$. For multi-stemmed trees the formula used is $R_{TPZ} = \sqrt{(DBH1)^2 + (DBH2)^2 + (DBH3)^2}$. The TPZ is measured radially from the centre of the stem and must be protected on all sides.

The Structural Root Zone (SRZ) radius is calculated by measuring the diameter of the stem close to ground level, just above the basal flare. This measurement is taken as D and then used in the following formula: R_{SRZ} = (Dx50)^{0.42} x 0.64 and becomes the Structural Root Zone, measured radially from the centre of the stem.

It is important to realize that these calculations provide a notional figure only and tree dynamics, form and site conditions will greatly affect these zones, and it is the job of the arborist to interpret the information correctly.

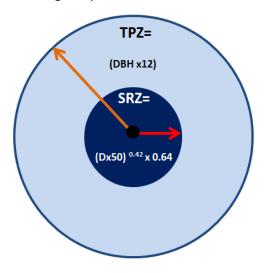


Figure 2 – A representation of TPZ & SRZ calculations.

For palms, cycads, tree ferns, and similar monocots, the TPZ is positioned at least 1m outside the crown projection. SRZs are not applicable to these plant types.

AS4970-20093 states "a TPZ should not be less than 2m nor greater than 15m (except where crown protection is required" and the minimum radius for an SRZ is 1.5m.

¹⁰ Standards Australia. 2009. AS4970-2009 Protection of trees on development sites.



1.3 Safe Useful Life Expectancy (S.U.L.E)

The reference sheet below explains the categories used within the S.U.L.E system of assessment.

Safe Useful Life Expectancy Categories (Updated 04/01)

This reference sheet should be included as supplementary information with all reports where a SULE assessment is an element. Additionally, it can be copied and covered with a laminated plastic protective sheet and used as a field sheet to help with data collection.

Safe Useful Life Expectancy Categories (Updated 01/04/01)

- Long SULE: Trees that appeared to be retainable at the time of assessment for more than 40 years with an acceptable level of risk.
 - (a) Structurally sound trees located in positions that can accommodate future growth.
 - (b) Trees that could be made suitable for retention in the long term by remedial tree care.
 - (c) Trees of special significance for historical, commemorative or rarity reasons that would warrant extraordinary efforts to secure their long term retention.
- Medium SULE: Trees that appeared to be retainable at the time of assessment for 15–40 years with an acceptable level of risk.
 - (a) Trees that may only live between 15 and 40 more years.
 - (b) Trees that could live for more than 40 years but may be removed for safety or nuisance reasons.
 - (c) Trees that could live for more than 40 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.
 - (d) Trees that could be made suitable for retention in the medium term by remedial tree care.
- Short SULE: Trees that appeared to be retainable at the time of assessment for 5-15 years with an
 acceptable level of risk.
 - (a) Trees that may only live between 5 and 15 more years.
 - (b) Trees that could live for more than 15 years but may be removed for safety or nuisance reasons.
 - (c) Trees that could live for more than 15 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.
 - (d) Trees that require substantial remedial tree care and are only suitable for retention in the short term.
- 4: Remove: Trees that should be removed within the next 5 years.
 - (a) Dead, dying, suppressed or declining trees because of disease or inhospitable conditions.
 - (b) Dangerous trees because of instability or recent loss of adjacent trees.
 - (c) Dangerous trees because of structural defects including cavities, decay, included bark, wounds or poor form.
 - (d) Damaged trees that are clearly not safe to retain.
 - (e) Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.
 - (f) Trees that are damaging or may cause damage to existing structures within 5 years.
 - (g) Trees that will become dangerous after removal of other trees for the reasons given in (a) to (f).
 - (h) Trees in categories (a) to (g) that have a high wildlife habitat value and, with appropriate treatment, could be retained subject to regular review.
- Small, young or regularly pruned: Trees that can be reliably moved or replaced.
 - (a) Small trees less than 5m in height.
 - (b) Young trees less than 15 years old but over 5m in height.
 - (c) Formal hedges and trees intended for regular pruning to artificially control growth.



1.4 Tree AZ rating system

TreeAZ Categories Field Sheet (Version 10.04-ANZ)

CAUTION: TreeAZ assessments <u>must</u> be carried out by a competent person qualified and experienced in arboriculture. The following category descriptions are designed to be a brief field reference and are <u>not</u> intended to be self-explanatory. They <u>must</u> be read in conjunction with the most current explanations published at <u>www.TreeAZ.com</u>.

Category Z: Unimportant trees not worthy of being a material constraint

Local policy exemptions: Trees that are unsuitable for legal protection for local policy reasons including size, proximity and species

- Z1 Young or insignificant small trees, i.e. below the local size threshold for legal protection, etc
- Z2 Too close to a building, i.e. exempt from legal protection because of proximity, etc
- Z3 Species that cannot be protected for other reasons, i.e. scheduled noxious weeds, out of character in a setting of acknowledged importance, etc

High risk of death or failure: Trees that are likely to be removed within 10 years because of acute health issues or severe structural failure

- Z4 Dead, dying, diseased or declining
 - Severe damage and/or structural defects where a high risk of failure cannot be satisfactorily reduced by reasonable
- Z5 remedial care, i.e. cavities, decay, included bark, wounds, excessive imbalance, overgrown and vulnerable to adverse weather conditions, etc
- Z6 Instability, i.e. poor anchorage, increased exposure, etc

Excessive nuisance: Trees that are likely to be removed within 10 years because of unacceptable impact on people

- 27 Excessive, severe and intolerable inconvenience to the extent that a locally recognized court or tribunal would be likely to authorize removal, i.e. dominance, debris, interference, etc
- Z8 Excessive, severe and intolerable damage to property to the extent that a locally recognized court or tribunal would be likely to authorize removal, i.e. severe structural damage to surfacing and buildings, etc

Good management: Trees that are likely to be removed within 10 years through responsible management of the tree population

- Z9 Severe damage and/or structural defects where a high risk of failure can be temporarily reduced by reasonable remedial care, i.e. cavities, decay, included bark, wounds, excessive imbalance, vulnerable to adverse weather conditions, etc
- Z10 Poor condition or location with a low potential for recovery or improvement, i.e. dominated by adjacent trees or buildings, poor architectural framework, etc
- Z11 Removal would benefit better adjacent trees, i.e. relieve physical interference, suppression, etc
- Z12 Unacceptably expensive to retain, i.e. severe defects requiring excessive levels of maintenance, etc

NOTE: Z trees with a high risk of death/failure (Z4, Z5 & Z6) or causing severe inconvenience (Z7 & Z8) at the time of assessment and need an urgent risk assessment can be designated as ZZ. ZZ trees are likely to be unsuitable for retention and at the bottom of the categorization hierarchy. In contrast, although Z trees are not worthy of influencing new designs, urgent removal is not essential and they could be retained in the short term, if appropriate.

Category A: Important trees suitable for retention for more than 10 years and worthy of being a material constraint

- A1 No significant defects and could be retained with minimal remedial care
- A2 Minor defects that could be addressed by remedial care and/or work to adjacent trees
- A3 Special significance for historical, cultural, commemorative or rarity reasons that would warrant extraordinary efforts to retain for more than 10 years
- A4 Trees that may be worthy of legal protection for ecological reasons (Advisory requiring specialist assessment)

NOTE: Category A1 trees that are already large and exceptional, or have the potential to become so with minimal maintenance, can be designated as AA at the discretion of the assessor. Although all A and AA trees are sufficiently important to be material constraints, AA trees are at the top of the categorization hierarchy and should be given the most weight in any selection process.

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Further explanations to assist categorization

- Any existing statutory definitions of trees that are too small to be legally protected should be applied and trees less than those heights or diameters will be Z1. If there are none, then if the tree has been planted for less than 5 years it is Z1. If it is less than 5m in height, it will be Z1 unless it is significant, i.e. clearly mature, but small trees are not Z1. If it is greater than 10m in height it is not Z1 unless it was planted in the last 5 years. Applying Z1 to trees between 5–10m is a matter of judgment; the most obvious test being that the tree could be easily and reliably moved or replaced. Ideally, the replacement tree should not be less than 20% of the replaced tree's trunk, height and spread dimensions.
- Z2 Any existing statutory rules that prevent protection of trees within a fixed distance of a structure will allow a tree to be subcategorized as Z2.
- Any existing statutory rules or guidance that prevent protection of trees for reasons other than size and proximity dictate Z3, i.e. invasive or alien species. If none exist, then Z3 cannot be applied.
- 74 This subcategory is for trees that are unlikely to recover from a serious health problem. The condition must be terminal with no obvious potential to recover, i.e. severe crown dieback related to excavation damage or root decay, to the extent that the structural branch framework is compromised. Trees that are likely to recover or improve should not be placed in this subcategory, i.e. trees suffering from a foliar problem that has little impact on the branch framework and varies from year to year.
- Severe means so bad that there is no realistic chance of the tree achieving its full potential and there is a high of failure risk. In many cases, the risk of failure can be reduced by dramatic reduction in tree size, but this has severe health, maintenance cost and amenity implications, so is unlikely to be a sustainable management option. A common example is a severely unbalanced tree within a group that will be particularly vulnerable in adverse weather conditions and the adjacent trees mean there is no hope of remedial works resulting in an





Appendix 2- Tree protection

Tree protection measures are used to isolate the calculated tree protection zone from the impacts of construction activities. Tree protection measures come in many different forms and types depending on the type of protection required for the situation. The protection measures can be broadly considered as tree root protection, canopy protection or trunk and branch protection.

Tree root protection: TPZ Fencing- Figure 1

Tree root protection is generally achieved with the allocation and delineation of a tree protection zone (TPZ) in accordance with AS4970-2009- The Protection of Trees on Development Sites.

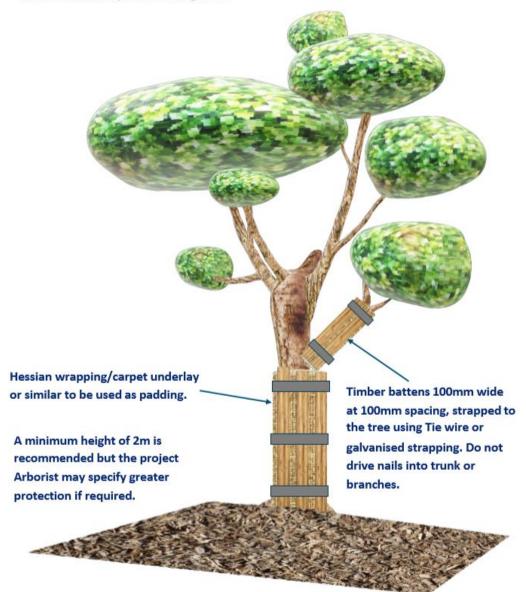
Temporary fencing is used to isolate the area from construction activity and restrict unauthorized access. Where access into the TPZ is required and unavoidable, ground protection measures may be recommended to ensure that the tree roots which are to be protected remain undamaged during works within the TPZ. Any works within the allocated tree protection zones must be directly supervised by a project Arborist with a minimum AQF level 5 qualification. In situations where there are low lying tree branches to be protected, the TPZ may be extended beyond the calculated TPZ in order to incorporate canopy protection as shown below.



Ground protection: Access road within TPZ- Figure 2. 75-100mm depth of composted leaf mulch inside TPZ fence Hardwood 'rumble boards' on top of mulch to provide ground protection 150mm depth of composted leaf mulch outside TPZ fence

under 'rumble boards'.

Trunk and branch protection- Figure 3.



Tree protection specifications:

In accordance with AS4970-2009- The Protection of Trees on Development Sites, activities restricted within the TPZ include but are not limited to:

- a) Machine excavation including trenching.
- b) Excavation for silt fencing.
- c) Cultivation.
- d) Storage of materials or machinery.
- e) Preparation of chemicals, including cement products.
- f) Parking of vehicles and plant.
- g) Refuelling of machinery.
- h) Dumping of waste.
- i) Wash down and cleaning of equipment.
- j) Placement of fill.
- k) Lighting fires.
- I) Soil level changes.
- m) Temporary or permanent installation of utilities and signs.
- n) Physical damage to the tree.

Tree protection fencing:

Tree protection fencing is to be installed prior to site establishment, demolition or commencement of any works on site.

All fencing must be chainmesh fencing 1.8m in height, secured with concrete 'feet' and in accordance with AS4678-Temporary Fencing and Hoardings. Depending on the type of development, shade cloth or similar may be recommended to reduce the spread of dust, particulate matter and liquids into the protected area. Silt fencing may also be required and may be incorporated into the TPZ fencing if required. Once the TPZ fencing has been installed the site Arborist must provide a letter of certification of tree protection measures to the client which may be forwarded on to the private certifier or council. Tree protection fencing is not to me moved, realigned, dismantled or tampered with in any way and shall only be relocated under instruction of the project Arborist. (See Figure 1) If the protective fencing requires temporary removal, trunk, branch and ground protection must be installed and must comply with AS 4970-2009 - Protection of trees on development sites. Existing fencing and site hoarding may be used as tree protection fencing, providing the TPZ remains isolated from construction activities. The purpose of ground protection is to prevent root damage and soil compaction within the TPZ. Ground protection may include a permeable membrane such as geotextile fabric beneath a layer of mulch, crushed rock or rumble boards.

Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist and must comply with AS 4970- 2009 - Protection of trees on development sites.



Hornsby Council- Assessment of trees-

Tree protection signage:

Tree protection zone signage must be installed and clearly visible from all angles within the site stating, "NO ENTRY TREE PROTECTION ZONE" and phone numbers for the site Arborist and site supervisor/foreman must be provided. TPZ signage must be laminated or otherwise protected to ensure that it remains legible for the duration of the project. (See Figure 1)

Ground protection:

Where access into the TPZ of a tree is necessary and unavoidable, the project Arborist must specify the methods of additional protection required. This may be ground protection in the form of 150mm depth of composted mulch beneath hardwood 'rumble boards' alternatively track mats or road plates may be used (See figure 2). Tree roots are essential for the uptake/absorption of water, oxygen and mineral ions (solutes). It is essential to prevent the disturbance of the soil beneath the dripline and within the TPZ of trees that are to be retained. Soil compaction within the TPZ will adversely affect the ability of roots to function correctly.

Generally, soil level changes within the TPZ of a tree is not recommended and is contrary to AS4970-2009 The Protection of Trees on Development Sites. Certain circumstances can arise where this may be necessary, and the requirements must be carefully considered by the project Arborist. If the grade is to be raised within the TPZ, the material should be coarser or more porous than the underlying material and the suitability of this action must be assessed by the project Arborist.

Trunk and branch protection:

Where there is the risk of accidental mechanical damage due to narrow access paths or large machinery movements, trunk and branch protection may also be recommended (see figure 3). The removal of bark or branches allows the potential ingress of micro-organisms which may cause decay. Furthermore, the removal of bark restricts the trees' ability to distribute water, mineral ions (solutes), and glucose.

Trunk protection shall consist of a layer of either Hessian wrapping, carpet underlay, geotextile fabric or similar wrapped around the trunk, followed by softwood timbers approximately 100mm wide, aligned vertically and spaced evenly around the trunk (with an approx. 100 mm gap between the timbers).

The timbers must be secured using galvanized hoop strapping or tie wire. The timbers shall be wrapped around the trunk but not fixed to the tree with nails, screws or other means, as this will cause injury/damage to the tree.

Crown protection:

Tree crowns/canopy may be injured or damaged by machinery such as; excavators, drilling rigs, trucks, cranes, plant and vehicles. Where crown protection is required, it will usually be located at least one meter outside the perimeter of the crown.

Crown protection may include the installation of a physical barrier, pruning selected branches to establish clearance, or the tying/bracing of branches.

Supervision of works within the TPZ:

If incursion/excavation amounting to greater than 10% of the TPZ is unavoidable, exploratory excavation (under the supervision of the Project Arborist) using non-destructive methods may be considered to evaluate the extent of the root system affected and determine if the tree can remain viable.

If the project arborist identifies conflicting roots that require pruning, they must be pruned with a sharp implement such as; secateurs, pruners, handsaws or a chainsaw back to undamaged tissue. All works within the TPZ of any tree to be retained must be completed under the direct supervision of the project Arborist. This may include non-destructive excavation or hand digging to locate individual piers or fence posts.

The project Arborist is to recommend measures to protect and preserve any roots uncovered during these activities, this may include wrapping the tree roots in hessian or similar and keeping them moist to prevent desiccation.

Any tree roots which are damaged are to be assessed by the supervising Arborist who is to determine the best course of action. If root pruning is recommended, the project Arborist should sever the damaged roots cleanly back to undamaged tissue and cover the exposed portion of root to prevent desiccation.

Where significant roots have been pruned, the project Arborist should complete a letter of certification including a root mapping report explaining the number and diameter of roots which were severed, what impacts are likely and provide recommendations for mitigation of such impacts if required.

All supervision works must be completed by an Arborist with a minimum AQF level 5 in Arboriculture.



Hornsby Council- Assessment of trees-

Hold points/ certification:

Arborist involvement will be required throughout the development process at key milestones, at a minimum these are:

- 1. Certification of tree protection installation prior to site establishment
- 2. Monthly inspection of trees to ensure tree protection measures are effective.
- 3. Supervision and certification of any works within tree protection zones.
- 4. Removal of tree protection measures and final certification.

The approved tree protection plan must be available onsite prior to the commencement of works, and throughout the entirety of the project. To ensure the tree protection plan is implemented, hold points have been specified in the schedule of works for Arborist involvement. It is the responsibility of the principal contractor to complete each of the tasks. Once each stage is reached, the work will be inspected and certified by the project arborist and the next stage may commence. Alterations to this schedule may be required due to necessity. However, this shall be through consultation with the project arborist only.

A recommended schedule of works for Arborist involvement is as follows:

Pre-construction: Prior to demolition and site establishment indicate clearly (with spray paint on

trunks) trees marked for removal only.

Tree protection (for trees that will be retained) shall be installed prior to demolition and site establishment, this will include mulching of areas within

the TPZ.

Scheduled inspection of trees by the project arborist should be undertaken

monthly during the construction period.

During Construction: Inspection of trees by project arborist after all major construction has ceased,

following the removal of tree protection measures.

Post Construction: Final inspection of trees by project arborist to confirm tree condition and

provide final letter of certification.

