Tree Inventory

Tree Survey Carried out across Northern Slope, Hornsby Quarry

Prepared for

Hornsby Shire Council

By

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General:

All 315 surveyed trees bar one are Australian native. The majority (255) occur naturally in Hornsby precinct while a further 47 are Australian native but not indigenous to Hornsby LGA. Those non-local native trees are however becoming endemic to the site ('Other Indigenous Species' in Table 1, following page) and have the potential to spread further. The Spotted Gum in particular appear in robust good health and seem quite well-suited to the edaphic conditions afforded by the anthropogenic fill.

Some of the species are growing outside of their preferred niche, presumably being planted as part of site remediation works. For example, the many Swamp Oak growing on the hilltop (and achieving substantial height), and a strong presence of Turpentine and Bangalay across the ridgeline.

Weed growth is well established within the study area, the main representatives being Glossy Privet and Small-leaved Privet predominately in the open areas along and beside trails. Elsewhere on the site but outside of the study area can be found lantana, oleander, and madeira vine, among others, in addition to privet.

Note that the site constraints are such that only limited viewing angles are afforded for identification and assessment of the subject trees, nor was it practical to collect samples of fruit or foliage *etc* for the keying of all to species level. Two of the eucalypts are unknown; there are eight that appear to be Red Mahogany but which could be revised if further data were to become available. Lemon-scented Gum was distinguished from Spotted Gum on the basis of leaf morphology; the stems are similar but the leaves of the Lemon-scented Gum in the study area are much more linear-lanceolate as opposed to the lanceolate-falcate leaves of the Spotted Gum, which was confirmed on site by the discovery of fallen foliage samples.

The Key to the Categories of Assessment is contained on page 4. Most categories are self-explanatory, although a few may benefit from further explanation as follows:

The height categories work well for most of the surveyed trees with the exception of the Swamp Oak. The majority of these are placed in one of two categories: 10 - 20 metres, or, > 20 metres. Their actual size is probably 20 ± 2 metres, hence most of those placed in the 10 – 20m category are in the upper range while those placed in the > 20m category are in the lower range.

The category of 'Condition Rating' could be used as a general guide to suitability for retention. Category 1 includes trees that are dead, declining, or obviously hazardous. Category 2 includes those that are environmentally stressed, or damaged, or of poor form. Poor form encompasses defective structure such as codominant stems with included bark, as well as trees which are strongly misshapen and potentially problematic in an urban setting due to strong lean or extreme crown asymmetry. Category 3 and 4 are those trees in average or better condition. None were ranked with Condition Rating 5 (outstanding example of the species).

Local Blue Gum High Forest Species	**Number**
Forest Oak *Allocasuarina torulosa*	1
Grey Gum *Eucalyptus punctata*	2
Red Bloodwood *Corymbia gummifera*	2
Rough-barked Apple *Angophora floribunda*	2
Black She-oak *Allocasuarina littoralis*	3
? Red Mahogany *Eucalyptus resinifera*	8
Turpentine *Syncarpia glomulifera*	16
Blackbutt *Eucalyptus pilularis*	20
Bangalay *Eucalyptus botryoides*	37
Sydney Blue Gum *Eucalyptus saligna*	109
Total	**200**
Other Local Indigenous Species	**Number**
Swamp Mahogany *Eucalyptus robusta*	1
Willow Bottlebrush *Callistemon salignus*	2
Prickly-leafed Paper-bark *Melaleuca styphelioides*	3
Swamp Oak *Casuarina glauca*	49
Total	**55**
Other Indigenous Species	**Number**
Silky Oak *Grevillea robusta*	4
Brush Box *Lophostemon confertus*	5
Lemon-scented Gum *Corymbia citriodora*	7
Tallowwood *Eucalyptus microcorys*	10
Spotted Gum *Corymbia maculata*	21
Total	**47**
Exotic & Unknown or Dead Species	**Number**
Camphor Laurel *Cinnamomum camphora*	1
Unknown eucalypt species	2
Dead trees (most probably eucalypts).	10
Total	**13**
Study-area total	**315**

Table 1. Species composition and number.

A Key to Categories of Assessment

? (Tree species) = Tentative identification due to lack of characteristics present for accurate keying-out to species level.

Height: Visually estimated. Categories: < 5 metres, 5 – 10 metres, 10 – 20 metres, > 20 metres.

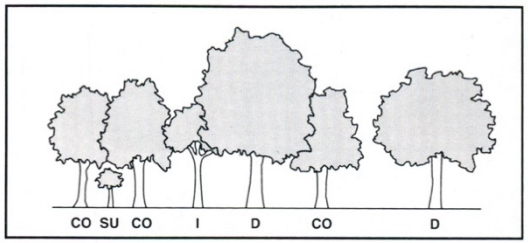


Figure 13. Crown Class is a description of the overall form of the tree as dominant (D), codominant (CO), intermediate (I) or suppressed (SU). Crown class is influenced by the proximity of the tree to other trees. (Adapted from The Hazard Tree Assessment Program, Recreation and Park Dept., City and County of San Francisco)

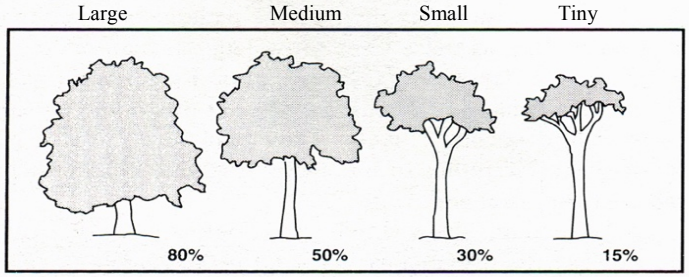


Figure 12. Live Crown Ratio is the ratio of the foliage canopy to the total height of the tree. Trees grown in stands usually have a lower live crown ratio than trees grown in the open.

Crown Class and **Live Crown Ratio** sourced from Matheny, N. P and Clark, J. R (1994, 2nd ed.) *'A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas'* International Society of Arboriculture, Champaign, Illinois.

Condition Rating: adapted from Table 5.2 of Matheny, N. P and Clark, J. R (1998) *'Trees and Development – A Technical Guide to Preservation of Trees During Land Development'* International Society of Arboriculture, Champaign, Illinois.

Age (Maturity): Categories:
Young; a well-established but juvenile tree.
Semi-mature; a tree at growth stages between immaturity and full size.
Early-mature; a tree that is more-or-less of mature dimensions yet still vigorously growing.
Mature; a full-sized tree with some capacity for further, expansive crown growth.
many years away from decline.
Late Mature; a tree of full, mature dimensions with little capacity for expansive growth,
Over-mature; a tree of old age in a phase of slow decline.

Vig. = Vigour. A measure of the robustness of health. Categories: **G**ood, **N**ormal, **F**air, **P**oor.

Occurrence:
Local BGHF species = Blue Gum High Forest species locally indigenous to this area.
Local Indigenous Species = locally indigenous but not to BGHF.
Other Indigenous Community = Australian native but not to Hornsby LGA.

Condition Rating:
An expression of Health and Structure. Categories:

1 = dead, or declining, or otherwise hazardous;
2 = stressed, or damaged, or poor form; may require further investigation of suspected defects.
3 = average with normal characteristics, may require crown maintenance or other works;
4 = good with relatively few defects, requiring little or no works;
5 = outstanding example of the species.

B Schedule of Trees

Table 2. Schedule of Surveyed Trees

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
208	Black She-oak *Allocasuarina littoralis*	Early-mature	10 - 20m	Intermediate	Small	Fair	2	Local BGHF species
210	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species
211	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Tiny	Normal	3	Local BGHF species
212	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
214	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
215	? Red Mahogany *Eucalyptus resinifera*	Young	5 - 10m	Suppressed	Small	Fair	2	Local BGHF species
216	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
217	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Medium	Normal	3	Local indigenous species
218	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
219	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
220	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
221	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Suppressed	Small	Normal	2	Local indigenous species
222	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Dominant	Medium	Good	4	Local BGHF species
223	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
224	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
225	Sydney Blue Gum *Eucalyptus saligna*	Young	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
226	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
227	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
228	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
231	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
232	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
234	Blackbutt *Eucalyptus pilularis*	Young	10 - 20m	Suppressed	Small	Normal	3	Local BGHF species
235	Blackbutt *Eucalyptus pilularis*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
238	Blackbutt *Eucalyptus pilularis*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
239	Blackbutt *Eucalyptus pilularis*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
240	Blackbutt *Eucalyptus pilularis*	Young	10 - 20m	Intermediate	Tiny	Normal	3	Local BGHF species
241	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
242	Sydney Blue Gum *Eucalyptus saligna*	Young	10 - 20m	Suppressed	Tiny	Normal	3	Local BGHF species
243	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Dominant	Medium	Normal	4	Local BGHF species
249	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
251	? Red Mahogany *Eucalyptus resinifera*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
258	? Red Mahogany *Eucalyptus resinifera*?	Early-mature	10 - 20m	Intermediate	Medium	Fair	2	Local BGHF species
259	? Red Mahogany *Eucalyptus resinifera*	Early-mature	10 - 20m	Suppressed	Small	Fair	2	Local BGHF species
260	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species
264	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
265	Blackbutt *Eucalyptus pilularis*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
266	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Suppressed	Tiny	Fair	2	Local BGHF species
282	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
283	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
316	? Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
317	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Dominant	Large	Normal	3	Local BGHF species
400	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
401	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
402	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
403	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
404	Eucalypt *Eucalypts sp.* mostly dead stump	Over-mature	10 - 20m	No Value	No Value	No Value	1	-
406	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
407	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Intermediate	No Value	No Value	1	-
409	Sydney Blue Gum *Eucalyptus saligna*	Young	5 - 10m	Suppressed	Small	Normal	3	Local BGHF species
410	Sydney Blue Gum *Eucalyptus saligna*	Young	10 - 20m	Suppressed	Small	Normal	2	Local BGHF species
411	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Fair	2	Local BGHF species
412	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
514	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species
600	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Medium	Normal	3	Local indigenous species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
602	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
603	Swamp Oak *Casuarina glauca*	Mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5000	Blackbutt *Eucalyptus pilularis*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5001	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5002	Tallowwood *Eucalyptus microcorys*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Other indigenous community
5003	Tallowwood *Eucalyptus microcorys*	Semi-mature	10 - 20m	Suppressed	Small	Normal	3	Other indigenous community
5004	Tallowwood *Eucalyptus microcorys*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5005	Tallowwood *Eucalyptus microcorys*	Early-mature	> 20m	Co-dominant	Medium	Normal	2	Other indigenous community
5006	Tallowwood *Eucalyptus microcorys*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Other indigenous community
5007	Tallowwood *Eucalyptus microcorys*	Early-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5008	? Rough-barked Apple *Angophora floribunda*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5009	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Medium	Normal	3	Local BGHF species
5010	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Medium	Normal	3	Local BGHF species
5011	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Medium	Normal	3	Local BGHF species
5012	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	2	Local BGHF species
5013	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5014	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5015	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5016	Blackbutt *Eucalyptus pilularis*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5017	Bangalay *Eucalyptus botryoides*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5018	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Intermediate	Small	Normal	2	Local BGHF species
5019	Spotted Gum *Corymbia maculata*	Young	5 - 10m	Suppressed	Small	Normal	2	Other indigenous community
5020	Tallowwood *Eucalyptus microcorys*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Other indigenous community
5021	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Tiny	Normal	3	Local BGHF species
5022	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5023	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5024	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5025	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5026	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Suppressed	Large	Normal	3	Local BGHF species
5027	Lemon-scented Gum *Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5028	Bangalay *Eucalyptus botryoides*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5029	Lemon-scented Gum *Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5030	Tallowwood *Eucalyptus microcorys*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5031	Lemon-scented Gum *Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5032	Lemon-scented Gum *Corymbia citriodora*	(No data)	(No data)	(No data)	(No data)	(No data)	(No data)	Other indigenous community
5033	Blackbutt *Eucalyptus pilularis*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5034	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5035	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5036	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Suppressed	Small	Normal	3	Local BGHF species
5037	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5038	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5039	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Suppressed	Small	Normal	3	Local BGHF species
5040	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5041	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Medium	Normal	3	Local BGHF species
5042	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Intermediate	Small	Normal	3	Local BGHF species
5043	Blackbutt *Eucalyptus pilularis*	Semi-mature	10 - 20m	Intermediate	Tiny	Normal	3	Local BGHF species
5044	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5045	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5046	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	2	Local BGHF species
5047	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5048	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Other indigenous community
5049	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Other indigenous community
5050	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Co-dominant	Large	Normal	3	Local BGHF species
5051	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5052	Blackbutt *Eucalyptus pilularis*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5053	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5054	Turpentine *Syncarpia glomulifera*	Early-mature	10 - 20m	Intermediate	Large	Normal	2	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5055	Lemon-scented *Gum Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5056	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Co-dominant	Medium	Fair	2	Local BGHF species
5057	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Intermediate	Large	Normal	2	Local BGHF species
5058	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Other indigenous community
5059	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5060	Bangalay Eucalyptus botryoides	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5061	Bangalay Eucalyptus botryoides	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5062	Tallowwood *Eucalyptus microcorys*	Semi-mature	10 - 20m	Intermediate	Large	Normal	2	Other indigenous community
5063	Blackbutt *Eucalyptus pilularis*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5064	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5065	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	2	Local BGHF species
5066	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5067	Swamp Mahogany *Eucalyptus robusta*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5068	Turpentine *Syncarpia glomulifera*	Mature	5 - 10m	Intermediate	Large	Normal	3	Local BGHF species
5069	Brush Box *Lophostemon confertus*	Semi-mature	10 - 20m	Intermediate	Medium	Good	3	Other indigenous community
5070	Brush Box *Lophostemon confertus*	Semi-mature	5 - 10m	Intermediate	Medium	Good	3	Other indigenous community
5071	Turpentine *Syncarpia glomulifera*	Early-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5072	Eucalypt *Eucalypts sp.*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	-
5073	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Suppressed	Small	Normal	2	Other indigenous community

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5074	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Co-dominant	Small	Normal	3	Local BGHF species
5075	Lemon-scented Gum *Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	4	Other indigenous community
5076	Turpentine *Syncarpia glomulifera*	Early-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5077	Turpentine *Syncarpia glomulifera*	Early-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5078	Turpentine *Syncarpia glomulifera*	Mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5079	Turpentine *Syncarpia glomulifera*	Early-mature	5 - 10m	Intermediate	Medium	Fair	2	Local BGHF species
5080	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Intermediate	Small	Normal	3	Local BGHF species
5081	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Intermediate	Large	Normal	3	Local BGHF species
5082	Brush Box *Lophostemon confertus*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5083	Bangalay *Eucalyptus botryoides*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	2	Local BGHF species
5084	Turpentine *Syncarpia glomulifera*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5085	Blackbutt *Eucalyptus pilularis*	Mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5086	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5087	Turpentine *Syncarpia glomulifera*	Mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5088	? Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5089	Bangalay *Eucalyptus botryoides*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5090	Red Bloodwood *Corymbia gummifera*	Semi-mature	5 - 10m	Intermediate	Small	Fair	2	Local BGHF species
5091	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Small	Normal	2	Local BGHF species
5092	Blueberry Ash *Elaeocarpus reticulatus*	Early-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5093	Blackbutt *Eucalyptus pilularis*	Mature	> 20m	Dominant	Medium	Normal	4	Local BGHF species
5094	Grey Gum *Eucalyptus punctata*	Semi-mature	5 - 10m	Intermediate	Large	Good	4	Local BGHF species
5095	Grey Gum *Eucalyptus punctata*	Semi-mature	5 - 10m	Co-dominant	Medium	Normal	2	Local BGHF species
5096	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Suppressed	Small	Normal	2	Other indigenous community
5097	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5098	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5099	Bangalay *Eucalyptus botryoides*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	3	Local BGHF species
5100	Bangalay *Eucalyptus botryoides*	Mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species
5101	Lemon-scented Gum *Corymbia citriodora*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5102	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5103	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Other indigenous community
5104	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Intermediate	Small	Normal	2	Local BGHF species
5105	Bangalay *Eucalyptus botryoides*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5106	? Lemon-scented Gum *Corymbia citriodora*	Mature	> 20m	Dominant	Small	Good	4	Other indigenous community
5107	? Red Mahogany *Eucalyptus resinifera*	Semi-mature	10 - 20m	Suppressed	Tiny	Normal	2	Local BGHF species
5108	? Red Mahogany *Eucalyptus resinifera*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5109	? Red Mahogany *Eucalyptus resinifera*	Semi-mature	10 - 20m	Suppressed	Small	Normal	2	Local BGHF species
5110	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5111	Camphor Laurel *Cinnamomum camphora*	Early-mature	10 - 20m	Co-dominant	Small	Normal	3	Exotic

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5112	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5113	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5114	Silky Oak *Grevillea robusta*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5115	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5116	Silky Oak *Grevillea robusta*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5117	Silky Oak *Grevillea robusta*	Semi-mature	10 - 20m	Intermediate	Small	Fair	2	Other indigenous community
5118	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5119	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
5120	Tallowwood *Eucalyptus microcorys*	Early-mature	> 20m	Intermediate	Small	Normal	2	Other indigenous community
5121	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5122	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
5123	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
5124	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5125	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5126	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5128	Bangalay *Eucalyptus botryoides*	(No data)	(No data)	(No data)	(No data)	(No data)	(No data)	Local BGHF species
5129	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5130	Swamp Oak *Casuarina glauca*	Mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
5131	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5132	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5133	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5134	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5135	Swamp Oak *Casuarina glauca*	Mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5136	Swamp Oak *Casuarina glauca*	Mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5137	Swamp Oak *Casuarina glauca*	Mature	> 20m	Co-dominant	Small	Normal	3	Local indigenous species
5138	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5139	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5140	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Dominant	Medium	Normal	2	Local BGHF species
5142	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5143	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5144	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5145	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Medium	Normal	3	Local BGHF species
5147	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5149	Silky Oak Grevillea robusta	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5150	Swamp Oak *Casuarina glauca*	Early-mature	10 – 20m	Intermediate	Small	Normal	3	Local indigenous species
5151	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5152	Swamp Oak *Casuarina glauca*	Mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5154	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5155	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5156	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5157	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local indigenous species
5158	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5159	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5160	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5161	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5162	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5163	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5164	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5165	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5166	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
5167	Sydney Blue Gum *Eucalyptus saligna*	Over-mature	> 20m	Dominant	Small	Poor	2	Local BGHF species
5168	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5169	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5170	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5171	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5172	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5173	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species

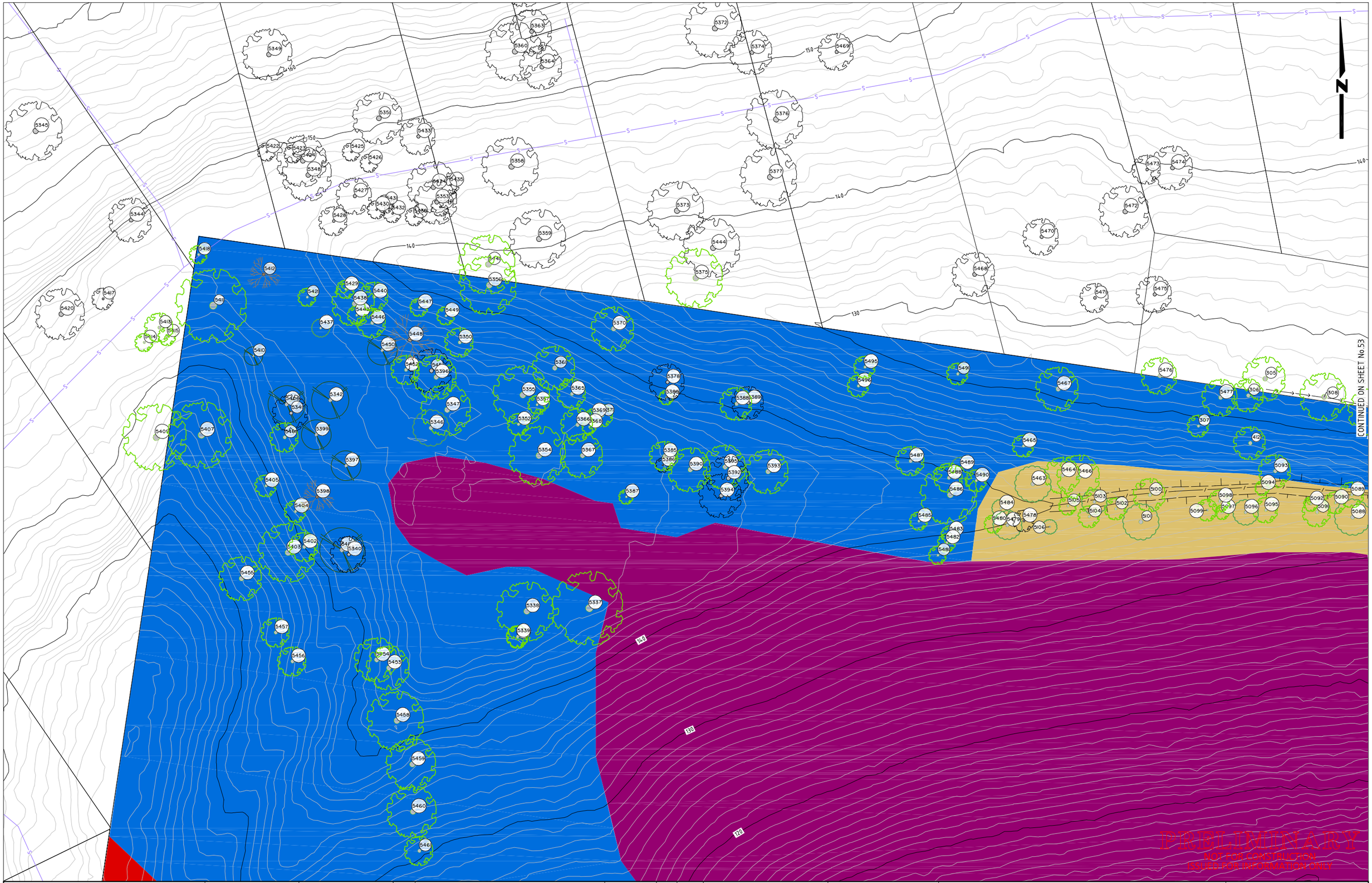
Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5174	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5175	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Dominant	Medium	Normal	2	Local BGHF species
5176	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5177	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5178	Sydney Blue Gum *Eucalyptus saligna*	Young	5 - 10m	Suppressed	Small	Normal	3	Local BGHF species
5179	Swamp Oak *Casuarina glauca*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5180	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5181	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5182	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5183	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5184	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5185	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5186	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5188	Swamp Oak *Casuarina glauca* **dead**	Over-mature	> 20m	Intermediate	No Value	No Value	1	Local indigenous species
5192	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5193	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5194	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5195	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Other indigenous community
5196	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5197	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5200	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Suppressed	Small	Normal	2	Local BGHF species
5201	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5202	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	5 - 10m	Suppressed	Small	Normal	3	Local BGHF species
5203	Swamp Oak *Casuarina glauca*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5204	Swamp Oak *Casuarina glauca*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5205	Brush Box *Lophostemon confertus*	Semi-mature	5 - 10m	Suppressed	Medium	Normal	3	Other indigenous community
5206	? Spotted Gum *Corymbia maculata*	Mature	> 20m	Dominant	Small	Good	4	Other indigenous community
5207	Black She-oak *Allocasuarina littoralis*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5208	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5209	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Other indigenous community
5210	Spotted Gum *Corymbia maculata*	Early-mature	> 20m	Co-dominant	Medium	Good	4	Other indigenous community
5211	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5212	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
5213	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5214	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5215	Spotted Gum *Corymbia maculata*	Mature	> 20m	Dominant	Small	Good	4	Other indigenous community
5216	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Suppressed	Small	Normal	3	Local indigenous species
5217	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5218	Swamp Oak *Casuarina glauca*	Semi-mature	10 - 20m	Suppressed	Small	Normal	3	Local indigenous species
5219	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	2	Local indigenous species
5220	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5221	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5222	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5223	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5224	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5225	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5226	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5227	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5228	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5231	Sydney Blue Gum *Eucalyptus saligna* huge	Late-mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species
5233	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5234	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5235	Spotted Gum *Corymbia maculata*	Young	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5236	Swamp Oak *Casuarina glauca*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local indigenous species
5237	Spotted Gum *Corymbia maculata*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Other indigenous community
5238	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Co-dominant	No Value	No Value	1	-
5239	Sydney Blue Gum *Eucalyptus saligna*	Mature	> 20m	Dominant	Medium	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5240	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5241	? Red Mahogany *Eucalyptus resinifera*	Semi-mature	5 - 10m	Suppressed	Small	Fair	3	Local BGHF species
5242	Blackbutt *Eucalyptus pilularis*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local BGHF species
5243	Sydney Blue Gum *Eucalyptus saligna*	Young	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5244	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Medium	Normal	3	Local BGHF species
5245	Rough-barked Apple *Angophora floribunda*	Young	5 - 10m	Suppressed	Tiny	Normal	3	Local BGHF species
5246	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5247	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5248	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Fair	2	Local BGHF species
5249	Sydney Blue Gum *Eucalyptus saligna*	Young	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5250	Eucalypt *Eucalypts sp.*	Early-mature	> 20m	Co-dominant	Small	Fair	2	-
5251	Blackbutt *Eucalyptus pilularis*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5252	Eucalypt *Eucalypts sp.*	Semi-mature	10 - 20m	Intermediate	Tiny	Fair	2	-
5253	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5254	Sydney Blue Gum *Eucalyptus saligna*	Early-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5255	Black She-oak *Allocasuarina littoralis* **big**	Mature	> 20m	Co-dominant	Small	Normal	3	Local BGHF species
5256	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	> 20m	Intermediate	Small	Normal	3	Local BGHF species
5257	Eucalypt (dead) *Eucalyptus sp.*	Over-mature	> 20m	Intermediate	No Value	No Value	1	-
5258	Sydney Blue Gum *Eucalyptus saligna*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species

Tree #	Species	Maturity	Height	Crown Class	Live Crown Ratio	Vigour	Condition Rating	Occurrence
5259	Swamp Oak *Casuarina glauca*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5260	Swamp Oak *Casuarina glauca*	Early-mature	> 20m	Intermediate	Medium	Normal	3	Local indigenous species
5261	Bangalay *Eucalyptus botryoides*	Young	5 - 10m	Suppressed	Small	Fair	2	Local BGHF species
5262	Forest Oak *Allocasuarina torulosa*	Semi-mature	5 - 10m	Suppressed	Small	Fair	2	Local BGHF species
5263	Brush Box *Lophostemon confertus*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	3	Other indigenous community
5264	Willow Bottlebrush *Callistemon salignus*	Semi-mature	5 - 10m	Intermediate	Small	Normal	3	Local indigenous species
5265	Prickly-leafed Paper-bark *Melaleuca styphelioides*	Young	5 - 10m	Suppressed	Medium	Normal	3	Local indigenous species
5266	Willow Bottlebrush *Callistemon salignus*	Semi-mature	5 - 10m	Intermediate	Small	Normal	3	Local indigenous species
5267	Prickly-leafed Paper-bark *Melaleuca styphelioides*	Semi-mature	5 - 10m	Intermediate	Medium	Normal	3	Local indigenous species
5268	Swamp Oak *Casuarina glauca*	Early-mature	10 - 20m	Intermediate	Small	Normal	3	Local indigenous species
5269	Red Bloodwood *Corymbia gummifera*	Young	5 - 10m	Suppressed	Tiny	Normal	3	Local BGHF species
5270	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5271	Bangalay *Eucalyptus botryoides*	Semi-mature	10 - 20m	Intermediate	Small	Normal	3	Local BGHF species
5272	Prickly-leafed Paper-bark *Melaleuca styphelioides*	Semi-mature	5 - 10m	Intermediate	Small	Normal	3	Local indigenous species



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Designer: S. COMISH	Design Checked-Design Team Leader Signed:		
Drawn: S. COMISH	Drawing Checked Signed:		
Surveyor: LIDAR	NA Field Book	NA Level Book	AHD Datum
Project Identifier\\CAD File Name: H:\Hornsby Park Redevelopment\ACAD\DESIGN\Sound Mound Options\Mound Options.dwg			
TRIM Document Number			

Issue	Description	Name	Initial	Date
1	ISSUED FOR INFORMATION ONLY	C. CLENDENNING		

Design not to be amended without authorisation by Manager Design & Construction

Bar Scales
0 5 10 15m
SCALE 1:250
@ A1
DO NOT SCALE, USE FIGURED DIMENSIONS ONLY

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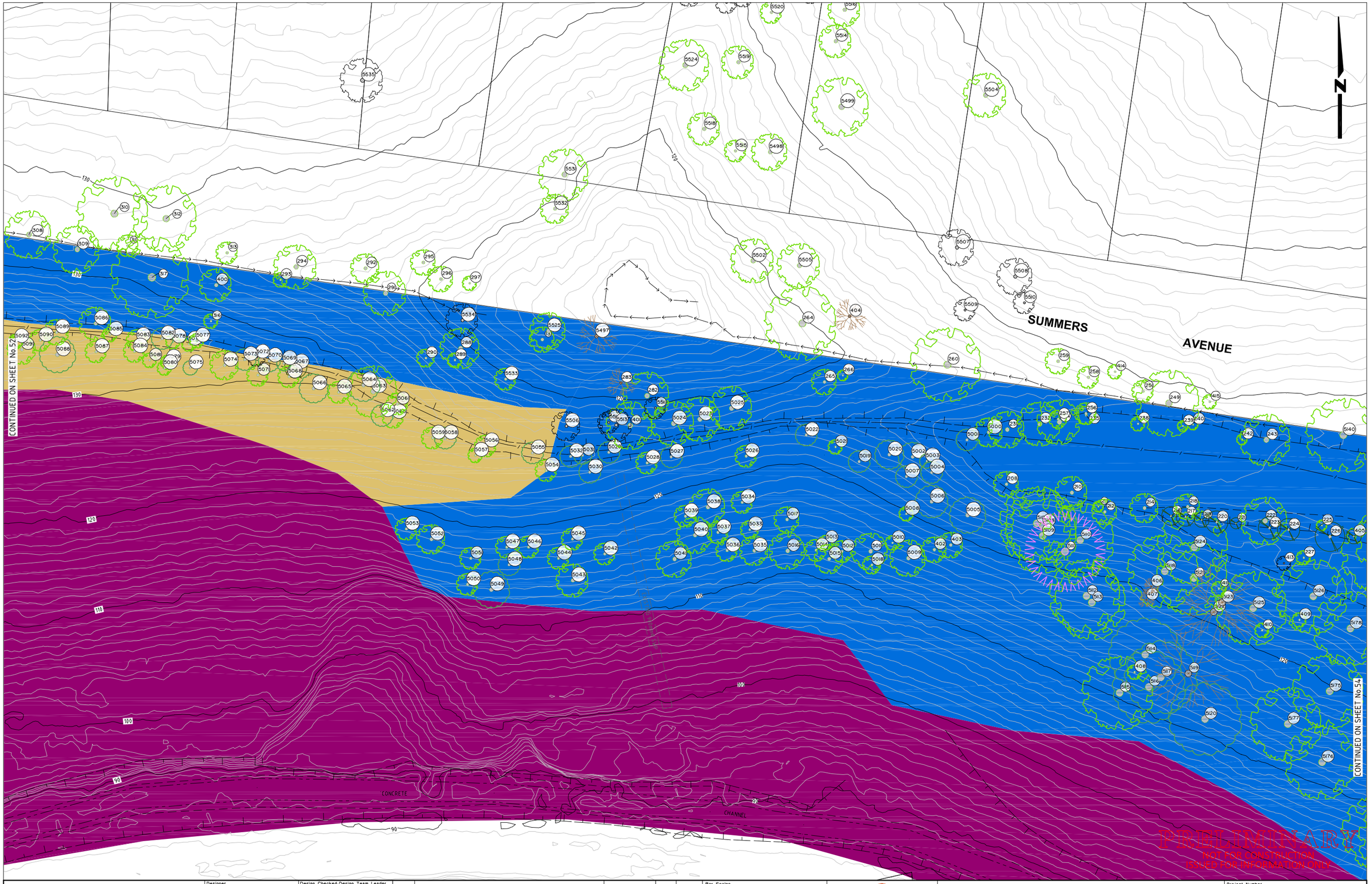
PO BOX 37, HORNSBY NSW 1630
DX 9655 HORNSBY

HORNSBY QUARRY, HORNSBY
PROPOSED REDEVELOPMENT
NORTHERN SPOIL MOUND STABILITY ASSESSMENT

TREE IDENTIFICATION SURVEY PLAN
SHEET 1 OF 3

Project Number: 100125
Sheet: 52 of 56
Issue: 1
HSC Drawing Number: QUARRY-28062018



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NA Field Book / NA Level Book / AHD Datum	
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PROPOSED REDEVELOPMENT
NORTHERN SPOIL MOUND STABILITY ASSESSMENT

TREE IDENTIFICATION SURVEY PLAN
SHEET 2 OF 3

Project Number: 100125

Sheet 53 of 56 | Issue 1

HSC Drawing Number: QUARRY-28062018

SUMMERS AVENUE

CONTINUED ON SHEET No.53

CHANNEL

CONCRETE

EXISTING 1200mm PIPE

EXISTING 1200mm PIPE

90

80

PRELIMINARY
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TREE IDENTIFICATION SURVEY PLAN
SHEET 3 OF 3

Project Number: 100125
Sheet: 54 of 56
Issue: 1
HSC Drawing Number: QUARRY-28062018

pre-development tree survey and assessment

TS-01
Revision A, Issued for Information
22 August 2019

PROJECT
Hornsby Park / Hornsby Quarry
Quarry Road
Hornsby, NSW 2077

CLIENT / PRINCIPAL
Hornsby Shire Council
296 Peats Ferry Road
Hornsby, NSW, 2077

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CONTENTS

i EXECUTIVE SUMMARY

In July 2019, Arterra was engaged by Hornsby Shire Council to carry out a tree survey and prepare a brief arboricultural assessment report for portions of the Hornsby Park site around the existing Quarry and Old Mans Valley areas. The now disused Hornsby Quarry site has been identified for restoration and redevelopment as a significant regional park for recreational activities within a natural area.

The area of the old quarry site and Old Mans Valley is approximately 40 hectares. Arterra completed an arboricultural assessment of the trees within portions of the site, being an area of approximately 6.4 hectares (64,220m2), that will be potentially impacted by proposed major earthworks as part of the sites rehabilitation and development as a regional park.

For the purposes of this tree survey and assessment, a 'tree' that was to be surveyed was defined by Council as:

- Any tree having a Diameter at Breast Height (DBH @ 1400mm above the ground from the base of the tree) of **greater than 150mm** (or greater than 200mm DBH for *Pittosporum undulatum*.)
- Trees smaller than this, regardless of their height or species, were excluded from being recorded.
- Weeds such as Privet and Camphor Laurel were not included within the survey.

Figure i – View of some Sydney Blue Gums near the southern end of Old Mans Valley, adjacent to the mountain bike pump track that were typical of what is found throughout the survey area. (Photo: Arterra 25 July 2019)

A total of **1005** trees were observed and assessed. Detailed information on each tree is provided in Appendix 4.1 'Hornsby Quarry - Tree Assessment Schedule'. The information recorded included;

- A unique Identification Number (ID),
- Species,
- Tree Heights and Canopy Spread,
- Trunk diameters (at both DBH and DGL),
- Tree Age Class
- Tree Form and Vigour
- General Condition Rating

There were 30 different tree species recorded within the survey area. The **top four species represented 73%** of the overall population. Many of the other species were represented by only a few specimens. There are many very significant and endemic trees located in the survey area. The dominant species observed and recorded were:

- *322 x Eucalyptus saligna* (Sydney Blue Gum) - (or 32% of total population)
- *180 x Angophora floribunda* (Rough-barked Apple) – (or 18% of total population)
- *125 x Casuarina cunninghamiana* (River She-Oak) – (or 12% of total population)
- *110 x Eucalyptus pilularis* (Blackbutt) – (or 11% of total population)

The nominal tree protection zones have been calculated for all the trees on the site. These zones have been calculated based on the Australian Standard 4970 – Protection of Trees on Development Sites. At this stage they have been depicted as simple circles centred on the trunks of the trees and depicted graphically on the tree inventory plans for the 'high' and 'moderate' condition rating trees only. It is important to note that for many of the trees observed, traditional and nominal Tree Protection Zones may not strictly apply, as they would for more traditional forest trees or urban parkland trees. Many trees are growing in rather extreme and very disturbed environments. For example, trees growing in a very rocky or cliff like surrounding may have roots that are totally to one side of the tree and expanding throughout extensive rock crevices and fissures. The extent and nature of the root development in this environment would be very difficult to predict.

Likewise, trees that are growing on very steep land may develop root systems that are extremely biased towards upslope directions, to facilitate tree stability, and there may be very little structural root development on the less structurally important, downslope side of the tree. It may be possible to undertake earthworks much closer to some of these trees than would normally be allowed, particularly if it involves careful and judicious removal of rocks or spoil that may have been placed after the tree had initially started to establish.

In summary, the starting position for a tree to be retained should be to ensure work is undertaken well outside its 'nominal' tree protection zone. If it is required to undertake disturbances closer to some important trees, it may be necessary to conduct more detailed arboricultural assessments and reviews based on the specific site conditions surrounding those trees. Typically, it will be far more critical to avoid disturbance on the upslope side of trees when they are located on steep embankments.

As with all aspects in the development and construction process, the tree related constraints must be weighed up against many other relevant development opportunities and constraints. The retention of the trees on the site must also consider economic, social, environmental, construction and practical realities.

This document has been prepared by Arterra Design Pty Ltd, using the expertise of our in-house consulting arborist (AQF Level 5), Robert Smart. Robert Smart is a member of the International Society of Arboriculture - Australian Chapter and also a Registered Consulting Arborist with Arboriculture Australia.

Robert Smart AAILA , ISA, AA
Director, Registered Landscape Architect (054), Registered Consulting Arborist (1804).

Figure ii – View of an excellent specimen of an Angophora floribunda (Rough-barked Apple) very common throughout the survey area . (Photo: Arterra 25 July 2019)

1.0 INTRODUCTION

1.1 Background

In July 2019, Arterra was engaged by Hornsby Shire Council to carry out a tree survey and prepare a brief arboricultural assessment report for portions of the Hornsby Park site around the existing Quarry and Old Mans Valley areas. The now disused Hornsby Quarry site has been identified for restoration and redevelopment as a significant regional park for recreational activities within a natural area. The site is in close proximity to Hornsby CBD and is accessed from both Quarry Road and Bridge Road. The area of the old Quarry site and Old Mans Valley is approximately 40 hectares. Refer to site Location Plan – Figure 2.

Arterra was engaged to complete an arboricultural assessment of the trees within portions of the site, being an area of approximately 6.4 hectares (64,220m2). This area is potentially impacted by proposed major earthworks as part of the sites rehabilitation and development as a regional park. A key component of the project was the accurate location, by reliable survey methods, of each tree, (or close grouping of trees of the same species) within the defined survey area, as shown shaded orange in Figure 3. The positional tree survey was undertaken by LTS Lockley, registered surveyors (LTS), under the direction of Arterra's consulting arborist, Robert Smart.

The main purpose of this assignment was to accurately locate, identify and provide a condition assessment for those trees in the areas identified. This is intended to provide an overview of the tree population and help inform the decision-making process regarding trees that will inevitably have to be removed in the course of the project, together with the trees proposed to be retained and protected. This work will be crucial to aid with the design and implementation of appropriate tree protection measures for the trees that are proposed to be retained. The survey and assessment were restricted to specific portions of the site. The other surrounding trees, across the broader site that are unlikely to be impacted, are not addressed as part of this report or the survey.

Figure 1 – View from the western side of the now abandoned Hornsby Quarry looking east towards Old Mans Valley. (Photo: Arterra 25 July 2019)

The site operated as a quarry under private ownership since the early to mid 1900s. CSR owned two properties covering the quarry by freehold title, being the Jones property and the Howes property. Both were part of an original land grant to Thomas Edward Higgins of 250 acres during February 1836. The Higgins family cemetery is still located within the south-eastern corner of the Jones property, with the graves dating from about 1875. (extracted from: http://friendsberowravalley.org.au/html/landscape_-_hornsby_quarry.html accessed 19.08.2019)

Council compulsorily acquired the Quarry in 2004, under a decision handed down by the NSW Supreme Court when then owners, CSR Construction Materials, ceased operations on the site. More recently the Quarry has been partially filled-in using in excess of 1million m3 of material excavated from the construction of the nearby NorthConnex tunnel project. Today the site contains a mixture of remnant, planted and self-sown trees. Many are on very highly disturbed, and relatively unstable spoil (fill) areas remaining from quarry operations and also adjacent to remnant and re-growth native bushland. There are expansive areas around the Quarry and the surrounding bushland that are heavily impacted by Privet, Camphor Laurel and other invasive species. Walking trails, both formal and informal run throughout the site, together with extensive mountain bike trails and a mountain bike jump track. Obsolete quarrying infrastructure, including a rock crushing plant, fuel depot and miscellaneous abandoned equipment is also scattered throughout the site.

Figure 2 – Context and demarcation of Hornsby Park, Hornsby Quarry and Old Mans Valley. (Source: Hornsby Shire Council 2019)

Figure 3 – Site context and demarcation of the 'Tree Survey Area' as identified by Council prior to undertaking the assessment. (Source: Arterra)

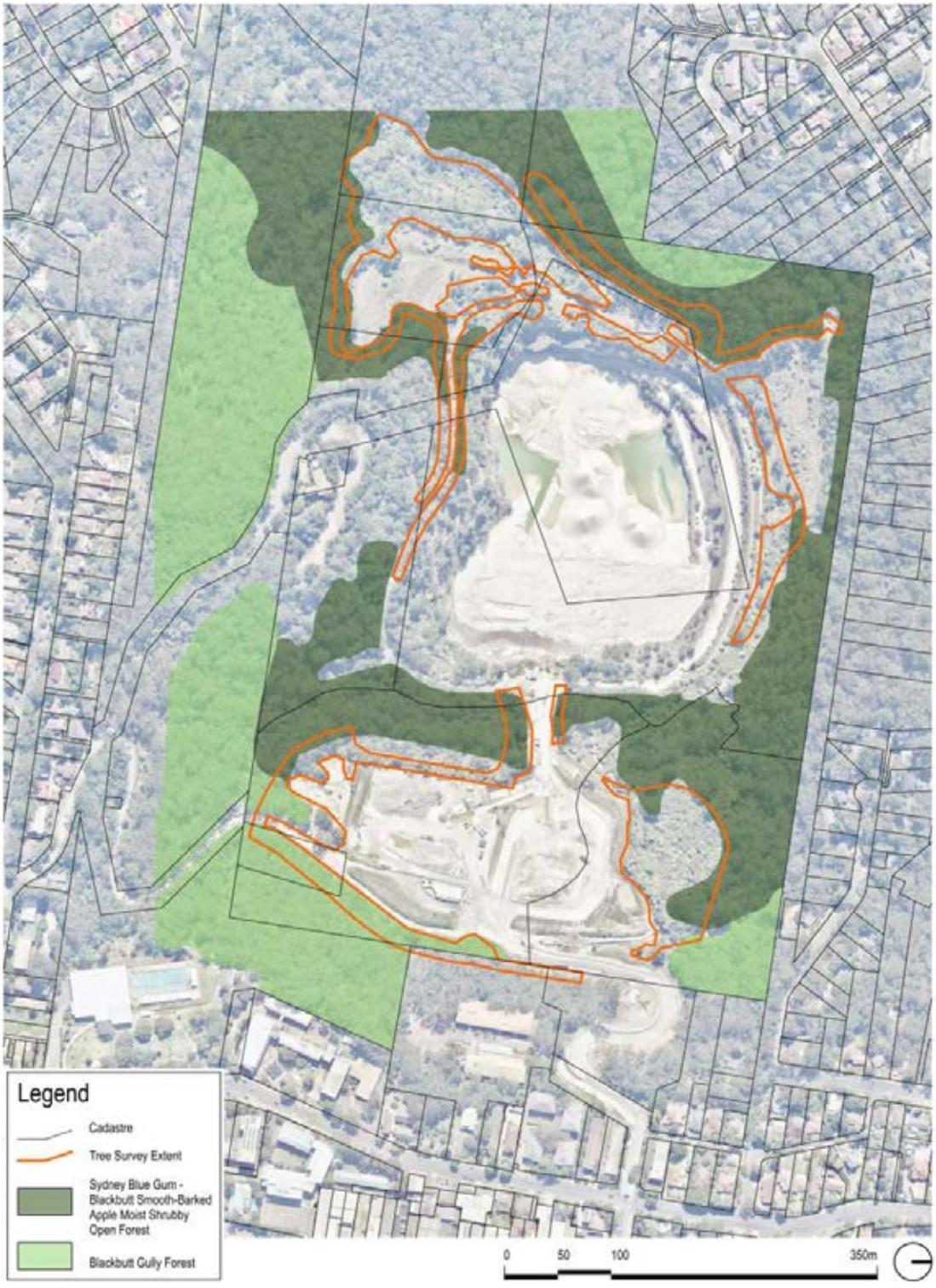

Figure 4 – Context and approximate demarcation of the remaining and surrounding natural vegetation communities and its relationship to the quarry and the identified survey area. (Source: Arterra, adapted from mapping supplied by Hornsby Council)

As per the figure above, the natural vegetation communities that are associated with this area are Blue Gum/Blackbutt/Smooth-barked Apple Moist Shrubby Open Forest and Blackbutt Gully Forest. These are communities that are often more broadly described as Blue Gum High Forest. This is an Endangered Ecological Community under NSW Threatened Species legislation, with less than 5% of its original distribution still remaining. *Eucalyptus saligna* (Sydney Blue Gum) and *Eucalyptus pilularis* (Blackbutt) were the dominant trees, with the Blue Gums favouring the moist lower slopes and Blackbutts more prevalent on the ridges. The mid and understorey tree species would have been dominated by *Angophora costata*, *Angophora floribunda*, *Eucalyptus globoidea*, *Allocasuarina torulosa* and *Syncarpia glomulifera*. (Benson and Howell, 1995).

Figure 5 – The site contains numerous significant and impressive endemic trees such as this Blackbutt (Euc. pilularis) which often stand well in excess of 35m tall and with trunk diameters close to 1m at ground level. These older trees often provide significant habitat with numerous small hollows and spouts that would support native wildlife. (Photo: Arterra 25 July 2019)

As stated, the primary purpose of the tree survey and assessment was to accurately locate and identify the trees that may be potentially impacted by proposed future works, so that Council can then take a more informed and proactive approach to the management of the trees. Arterra has identified, tagged and carried out a preliminary arboricultural assessment of the trees within the identified survey area. The registered surveyors (LTS) then carried out the necessary survey of the tree positions, to accurately locate the trees and enable their positions to be plotted on to plans and issued to Council designers for use in their ongoing work.

Figure 6 – View of the mountain bike 'pump track' located to the southern end of the Old Man's Valley fill area. This is part of a far more extensive mount bike trail network that surrounds much of the quarry site. Trees are often intimately related to the extensive trail network. (Photo: Arterra 22 July 2019)

Figure 7 – View of the northern end of the Old Man's Valley fill area and the newly constructed driveway leading to Bridge Road. (Photo: Arterra 22 July 2019)

For the purposes of the survey, the broader Hornsby Quarry/ Hornsby Park site was broken up into five distinct precincts being:

- Old Man's Valley
- Northern fill slopes
- Western slopes (adjacent the existing fuel depot/shed)
- South-west fill area
- Southern access road

The following photos illustrate an overview of the character and type of trees and vegetation encountered at each of these separate portions of the site.

*Figure 8 – **Old Man's Valley** - view northwest along forested eastern site boundary. Note the historical 'baby bath' carved into the rock adjacent T28 at the far left. (Photo: Arterra 22/7/19)*

*Figure 9 – **Northern fill slopes** - at right and view to western edge of the fill slope and its interface with the more natural vegetation of the Blue Gum and Blackbutt Gully Forest beyond. (Photo: Arterra 25/7/19)*

*Figure 10 – **Western slopes** at the right, view southwest from the fuel depot towards Rosemead Reserve. (Photo: Arterra 25/6/19)*

*Figure 11 – **South-west fill area** – View east from the toe of the fill bank in Rosemead Reserve looking back towards the south-west fill embankments. (Photo: Arterra 27/7/19)*

*Figure 12 – **Southern Cliffs access road**. View west from the top gate towards the southwest fill area. (Photo: Arterra 25/6/19)*

1.2 Aims of This Report

This report, together with the accompanying tables and plans, is intended as a guide to aid in the planning of the proposed bulk earthworks to redevelop and rehabilitate the site into a valuable regional resource. This preliminary assessment of the trees provides Council, and its consultants, with a method to identify and quantify the trees that will be impacted by the proposed works. It also highlights those trees that are most appropriate to retain and qualifies those trees that need not be considered a significant constraint. Specifically the work and report aims to:-

- Identify, tag and accurately locate the 'trees' within or adjacent to the project site;
- assess the health, condition and habitat value of the trees;
- accurately record information relevant to the existing trees;
- assess the significance and SULE of the existing trees;
- provide a basis for recommendations as to which trees should ideally be retained and protected;
- identify the proposed Tree Protection Zones (TPZ) and Structural Root Zones (SRZ) to guide the project's design and construction and
- provide preliminary advice on the necessary tree protection measures that may be required during construction to ensure trees may be successfully retained.

The following limitations apply to this report's use: -

1. It is a preliminary document: intended to provide guidance to the designers and engineers. It may be necessary to make adjustments once the nature and full extent of the proposed site works are known.
2. Plans: All plans are for planning purposes only. They should only be used relating to tree issues and are not suitable for any other purpose.
3. Confidentiality: This report is confidential to the Client and should not be released to any Third Party without consultation with Arterra and consent from the Client.
4. Notification of proposed disturbance within TPZs: Arterra or the client should be clearly notified of any disturbance proposed in TPZs, so that we may advise on the implications before any layout is finalised.

1.3 Relevant Tree Survey Brief

The purpose of the survey and assessment was to identify trees that should be considered as Council moves forward with plans and designs for the ultimate Hornsby Park development. Most of the areas that were reviewed are highly disturbed environments and have numerous trees, shrubs and groundcovers and other exotic vegetation. For the purposes of this tree survey and assessment, a 'tree' that was to be surveyed was defined by Council as:

- Any tree having a Diameter at Breast Height (DBH @ 1400mm above the ground from the base of the tree) of **greater than 150mm** (or greater than 200mm DBH for *Pittosporum undulatum*).
- Trees smaller than this, regardless of their height or species, were excluded from being recorded.
- 'Exempt' tree species (weeds) as defined under the Hornsby Council DCP (such as Privet and Camphor Laurel) were specifically excluded, and therefore not included within the survey.

1.4 Conduct and Author Qualifications

Given the above stated aims of this report, as author of this report, Arterra Design confirms that Robert Smart is suitably qualified (AQF 5 Consulting Arborist) to provide comment and the required arboricultural advice pertaining to these matters.

Furthermore, Mr Smart confirms that he has read and agrees to be bound by the NSW Uniform Civil Procedure Rules 2005, Part 31 Division 2 Provisions, Schedule 7 - Expert witness code of conduct.

Arterra provides specialist consulting arborist services only and does not provide any physical tree work services such as climbing, pruning, removal, root investigations or root pruning. Our advice is based on impartial professional assessment only, as we do not derive any financial benefit from specifying pruning or other physical services. We will not specify any such activities unless we determine them to be essential to the ongoing health or stability of a tree.

1.5 Key Definitions and Abbreviations

The following abbreviations are used throughout this report.

DBH = Diameter at Breast Height
This is the diameter of the trunk measured at 1.4m above ground level.

DGL = Diameter at Ground Level
This is the diameter of the trunk measured at ground level just above any root flare.

"TPZ" = Tree Protect Zone
This is the area as defined by AS 4970 – "Protection of trees on development sites" and means the typical minimum area above and below ground at a given distance from the trunk to provide for protection of the tree. Most importantly it represents the root zone required to be kept uninjured to maintain a healthy and viable tree. Please note, that roots will usually extend well beyond this zone, so this represents the minimum remaining root zone required, assuming all others are lost or damaged due to construction. It is typically calculated as a circle centred on the trunk unless existing site conditions can be assessed and indicate otherwise.

"SRZ" = Structural Root Zone
This is the area as defined by AS 4970 – "Protection of trees on development sites" and means the area immediately around the base of the tree at a given distance from the trunk. The woody roots and soil cohesion in this area are considered vital to the structural stability of the tree. Damage or removal of soil and or roots from this area will typically render the tree unstable and require its removal. It is typically calculated as a circle, centred on the trunk, unless existing site conditions can be assessed and indicate otherwise.

1.6 Assessment Methodology

Arterra's team consisting of an AQF5 consulting arborist and arborist assistant attended the site for several days over the period 22 July to 9 August 2019 to identify, tag, measure and assess the trees in the predefined survey area. The registered surveyors team from LTS attended the site over a similar period with some additional days required to complete the surveying due to the very challenging site conditions, including very dense understorey vegetation across steep and unstable ground.

It is important to note that the broader Hornsby Quarry site covers approximately 40ha and only a relatively small, 6.4 ha portion site was the subject of this tree survey, assessment and report. The survey extent is shown in Figure 3. As noted, not every tree within the site survey extent was recorded. The trees surveyed had to meet the following criteria:

- Trees, generally – DBH greater than 150mm.
- Pittosporum sp. – DBH greater than 200mm.
- Dead trees with habitat potential – DBH greater than 150mm (trees with hollows, spouts, cavities or 'stag' potential).
- 'Exempt' tree species as defined under the Hornsby Council DCP (such as Privet and Camphor Laurel) were specifically excluded from the survey.

The arborist team identified the trees to be surveyed and then affixed a small aluminium tag bearing a unique identification number. The survey team followed close behind, surveying (locating) the tagged trees and recording the identification number of each surveyed tree, as cross check for accuracy and completeness. Tree trunk diameters were measured using a metric diameter tape measure. If they were unable to be reached, a reasonable estimate was made. Heights were measured using the two-point clinometer function of a Nikon Forestry Pro laser range finder, when possible. Canopy spreads were estimated. Particularly asymmetric canopy development was noted and then illustrated in the plans via graphically offsetting the canopy circles from the trees' trunk position.

Once a tree was physically located and identified a variety of data was measured and recorded. Where trees were not physically accessible due to work safety considerations, measurements were estimated and the tree was noted as having been 'remotely assessed'. A total of 85 trees were remotely assessed and typically observed from only one side and from a distance.

Key data captured for each tree included:

- Tree ID number
- Species and Common name
- Tree origin
- DBH and DGL
- Height and Spread
- Vigour
- Condition rating
- Safe Useful Life Expectancy (SULE)
- Any major defects or flaws
- Hollow bearing / Habitat potential

LTS Lockley surveyed the tree positions by way of GNSS/GPS Corsnet to establish site MGA control from local state survey marks. The primary mark adopted was (SSM 83774 Easting 323633.352 Northing 6269462.389 Class B order 2.).

A Leica T16 Robotic Total Station was used to survey the tree trunk positions. Using this method decimetre accuracy of the tree trunks was obtained. The survey was back connected to various site survey points where known MGA co-ordinates were provided and no significate differences were found.

Desktop Review and Research

Digital AutoCAD files of the surveyed trees were imported into Arterra's standard CAD software (ArchiCAD v21). Recent aerial photography data was obtained from the Nearmap website with aerial photos of the site dating from 2019 imported into the above software for cross checking and general site understanding and assessment. (http://www.nearmap.com/ accessed 20 July 2019). A number of historic aerial photos of the area provided by Council and dating back to 1930 were also reviewed and imported.

Figure 13 – Photo illustrating that the trees were surveyed using a registered surveyor to accurately position the trees spatially on the site. This was done at the same time as the trees were surveyed and identified by the arborist to maintain consistency, accuracy of recording and numbering throughout. (Photo: Arterra 22/7/19)

1.7 Tree Assessment – Tree Condition Rating Values

The information gathered in the field has been tabulated and the 'condition rating' values assessed using a combination of techniques commonly used and recognised in the arboricultural industry. The tree life expectancy was established using the Safe Useful Life Expectance (SULE) system. A brief summary of these systems is described below.

SULE – SAFE USEFUL LIFE EXPECTANCY

This is a system developed by Jeremy Barrell in 1993 that determines the time a tree may be expected to be retained based on its age, health, condition, safety and location. This is then moderated by the economics of maintenance or other costs of retaining the tree. A long SULE means the tree is presently expected to live longer than 40 years with minimal intervention and cost. A short SULE indicates a tree that is not expected to live longer than 5 years or may require substantial intervention or costs to retain it.

CONDITION RATING VALUES

The proposed 'retention' or 'condition rating' value of the trees was determined based on a considered combination of the size, age, condition and suitability of the tree.

Each tree was then ranked according to one of 5 retention categories.

1. **"Dead" Condition Rating Value** – these are trees that are considered dead, and therefore could be considered for removal regardless of any development, unless they provide beneficial habitat value.
2. **"Very Low" Condition Rating Value** – these are trees that are, invasive weeds, or in very poor condition or have serious structural defects, are not historically, environmentally or socially significant and probably should be removed if they are likely to cause any risk to future park users or spread weed material. They could be retained but only if they remain in extremely low target areas and don't constrain potential desirable development outcomes.
3. **"Low" Condition Rating Value** – these are trees that are of poor condition or have structural defects, are particularly small or common place, are not historically, environmentally or socially significant and should not be considered as a constraint to development. They could be retained but only if they are not likely to be impacted by or constrain potential desirable development outcomes.
4. **"Moderate" Condition Rating Value** – these are trees that are in good to reasonable condition and should be retained where possible and feasible to do so. These are typically trees that are endemic to the site with few significant issues or defects. They may also be non-endemic trees that are considered to be particularly good specimens.
5. **"High" Condition Rating Value** – these are trees that are typically in good or very good condition, large and visually prominent, historically or environmentally important. They should represent a serious physical constraint to the development and their removal avoided where possible and feasible.

1.8 Tree Assessment – Tree Protection Zones Generally

In order to ensure the long-term survival and growth of any tree that is planned to be retained on the potential development site, a suitable area is required to be protected around the tree. This area should typically be as large as possible. It should also take into consideration: -

- The size and age of the tree;
- Above and below ground properties;
- The health and condition of the tree;
- The species of tree and its tolerance to disturbance;
- Soil conditions, type, depth and site hydrology and
- Site specific conditions and any existing obstructions to root development.

The Tree Protection Zones (TPZs) presented in the schedules within the rear of this document and shown on the drawings have been calculated using the formula and criteria outlined in AS 4970-2009 - Protection of Trees on Development Sites. In summary the standard applies the calculation for the radius of the TPZ as 12 x (the tree trunk diameter (in metres) calculated at breast height (DBH)). DBH is taken at 1.4m above ground level.

A maximum TPZ radius will be 15m (unless crown protection is required) while the minimum TPZ radius shall be 2m.

The TPZ is typically assumed to be radial and centred on the centre of the tree's trunk unless other site factors or tree canopy size and location dictate an adjustment. Encroachments of up to 10% of the area may be accepted within the TPZ as long as it is outside of the Structural Root Zone (SRZ). This is known as a "minor encroachment". Encroachments greater than this, known as "major encroachments" will only be accepted with additional specific evidence that the tree will not be unduly impacted.

Whenever an encroachment is made into a TPZ, a suitable compensation should be made elsewhere and physically contiguous to the remaining TPZ.

The Structural Root Zone (SRZ) is the area defined as the minimum area required to retain the structural stability of the tree. The formula for calculating the SRZ is outlined in AS 4970 Section 3.3.5. No encroachment into the SRZ shall typically be allowed.

2.0 KEY OBSERVATIONS & STATISTICS

2.1 Tree Assessment – Species and Conditions

A total of **1005** trees were observed and assessed in the course of preparing this report. The information collected in the field has been tabulated and analysed to provide an overview of the tree population across the survey site which is summarised in the following tables. For further and more detailed information on a tree by tree basis refer to Appendix 4.1 – Hornsby Quarry - Tree Assessment Schedule. There are many very significant and endemic trees located in the survey area. The dominant species observed and recorded were:

- *Eucalyptus saligna* (Sydney Blue Gum),
- *Angophora floribunda* (Rough-barked Apple)
- *Casuarina cunninghamiana* (River She-Oak)
- *Eucalyptus pilularis* (Blackbutt)

Apart from the River She-Oak, the other top 3 species are endemic to the locality and would be expected to be dominant and present. The River She-Oak is not normally associated with the natural forests of this area and is believed to have been intentionally planted around the quarry to help stabilise some of the Quarry rim and surrounding embankments. These are very hardy and adaptable trees and often flourish in disturbed areas and freely sucker and self seed. Some of the *Eucalyptus saligna* (Sydney Blue Gum) and *Eucalyptus pilularis* (Blackbutt) have developed into particularly large and significant specimens of large girth and spread. Some of the larger and older trees often display significant habitat features such as hollows and spouts. Most of the very large trees are believed to be remnants of original forest trees or very early regrowth, following initial clearing for agricultural purposes and the Quarry works in the early 1900s.

Table 1 - Population by Species (in order of level of occurrence)

Tree Species	Common Name	Number of Trees	% Population
Eucalyptus saligna	Sydney Blue Gum	322	32%
Angophora floribunda	Rough-barked Apple	180	18%
Casuarina cunninghamiana	River She-Oak	125	12%
Eucalyptus pilularis	Blackbutt	110	11%
Angophora costata	Smooth-barked Apple	34	3%
Syncarpia glomulifera	Turpentine	33	3%
Eucalyptus microcorys	Tallowood	26	3%
Allocasuarina littoralis	Black She-Oak	24	2%
Pittosporum undulatum	Sweet Pittosporum	22	2%
Casuarina glauca	Swamp She-Oak	19	2%
Populus deltoides	American Cottonwood	16	1%
Allocasuarina torulosa	Forest She-Oak	14	1%
Eucalyptus botryoides	Bangalay	14	1%
Eucalyptus resinifera	Red Mahogany	14	1%
Grevillea robusta	Silky Oak	9	1%
Lophostemon confertus	Brush Box	8	1%
Eucalyptus robusta	Swamp Mahogany	5	<1%
Liquidambar styraciflua	Liquidamber	4	<1%
Banksia serrata	Old Man Banksia	4	<1%
Eucalyptus acmenioides?	White Mahogany	3	<1%
Corymbia citriodora	Lemon-scented Gum	3	<1%
Pinus roxburghii	Chir Pine	3	<1%
Callistemon salignus cv.	Willow Bottlebrush	2	<1%
Acacia falcata	Sickle-leaf Wattle	2	<1%
Exocarpus cupressiformis	Cherry Ballart	2	<1%
Acacia parramattensis	Parramatta Wattle	2	<1%
Pinus caribaea ?	Carribean Pine	2	<1%
Pinus radiata ?	Monterey Pine	1	<1%
Livistona australis	Cabbage Tree Palm	1	<1%
Corymbia maculata	Spotted Gum	1	<1%
	Total Population	**1005**	**100%**

2.2 Statistical Analysis and Spatial Analysis

The following tables illustrate the basic statistics surrounding the tree population that was recorded during the survey. These are accompanied by plans that illustrate where the various trees occur and their relevant ratings and other factors.

Table 2 - Population by Tree Condition Rating Value

Condition Rating Value	Number of Trees	% of Population
5 High	122	12%
4 Moderate	585	58%
3 Low	220	22%
2 Very Poor	42	4%
1 Dead	36	4%
Total Population	**1005**	**100%**

Table 3 - Population by Origin

Species Origin	Number of Trees	% of Population
Endemic (to local area)	767	76%
Native (wider Sydney or Australia)	203	20%
Invasive	25	3%
Non-native / Exotic	10	1%
Total Population	**1005**	**100%**

Table 4 - Population – 'High' Condition Rating Value by the Species

Tree Species	Number of Trees	Number of Trees	% of Population
Eucalyptus saligna	Sydney Blue Gum	60	49%
Eucalyptus pilularis	Blackbutt	29	24%
Angophora floribunda	Rough-barked Apple	11	9%
Syncarpia glomulifera	Turpentine	8	7%
Eucalyptus resinifera	Red Mahogany	4	3%
Angophora costata	Smooth-barked Apple	3	2%
Allocasuarina torulosa	Forest She-Oak	2	2%
Banksia serrata	Old Man Banksia	2	2%
Exocarpus cupressiformis	Cherry Ballart	1	<1%
Livistona australis	Cabbage Tree Palm	1	<1%
Allocasuarina littoralis	Black She-Oak	1	<1%
	Total of High Value	**122**	**100.00%**

Table 5 - Population by Trunk (Diameter at Breast Height)

DBH Range	Number of Trees	%of Population
= or >1.00m	16	2%
0.75m – 0.99m	41	4%
0.15m-0.74m	948	94%
Total Population	**1005**	**100.00%**

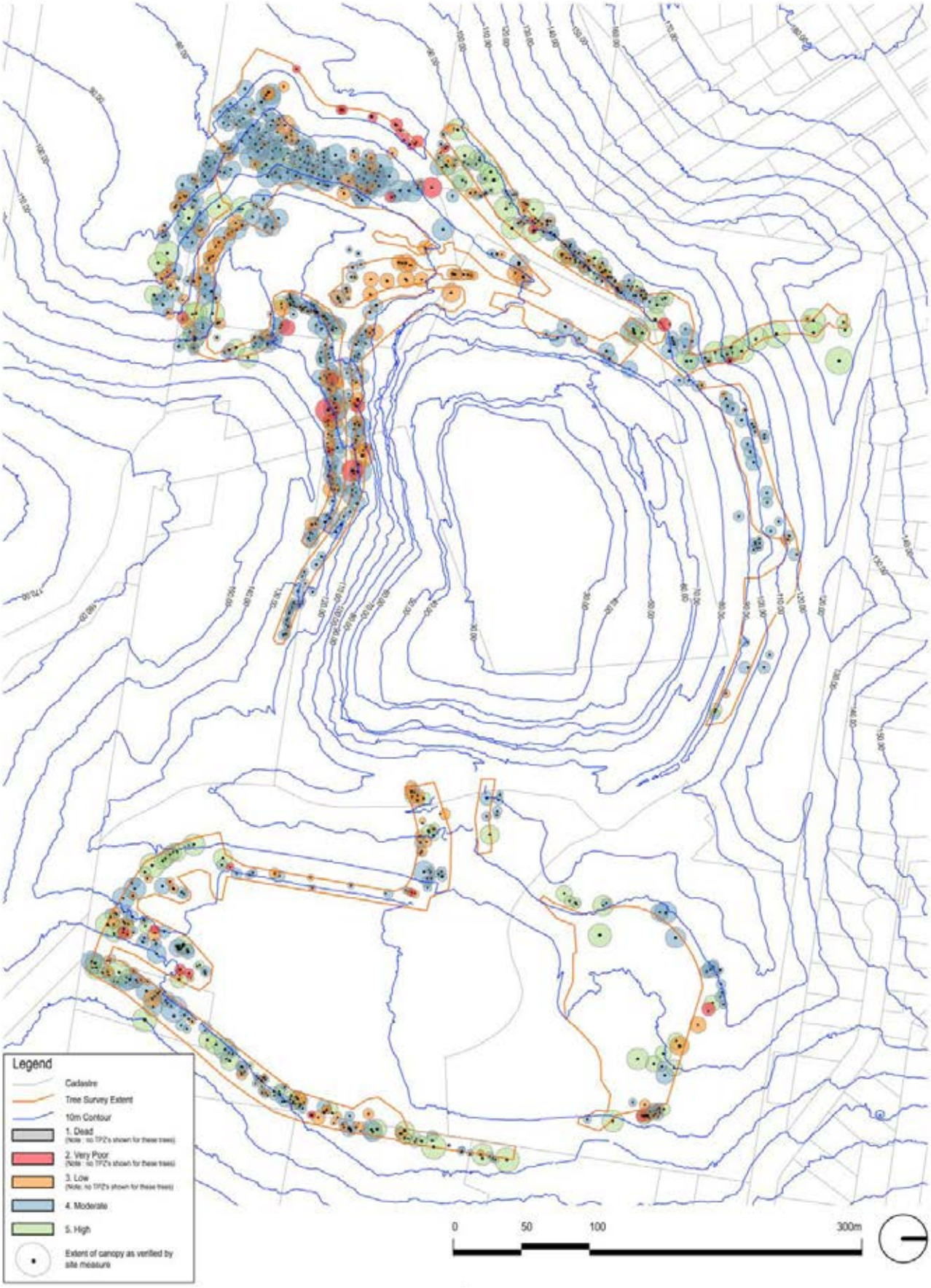

Figure 14 – Condition Value Rating Plan - Overview plan illustrating the general arrangement of trees that were surveyed and their relative Condition Value Rating. (Source: Arterra) [Note: this information is presented in the appendix via more detailed plans, including tree ID numbers.]

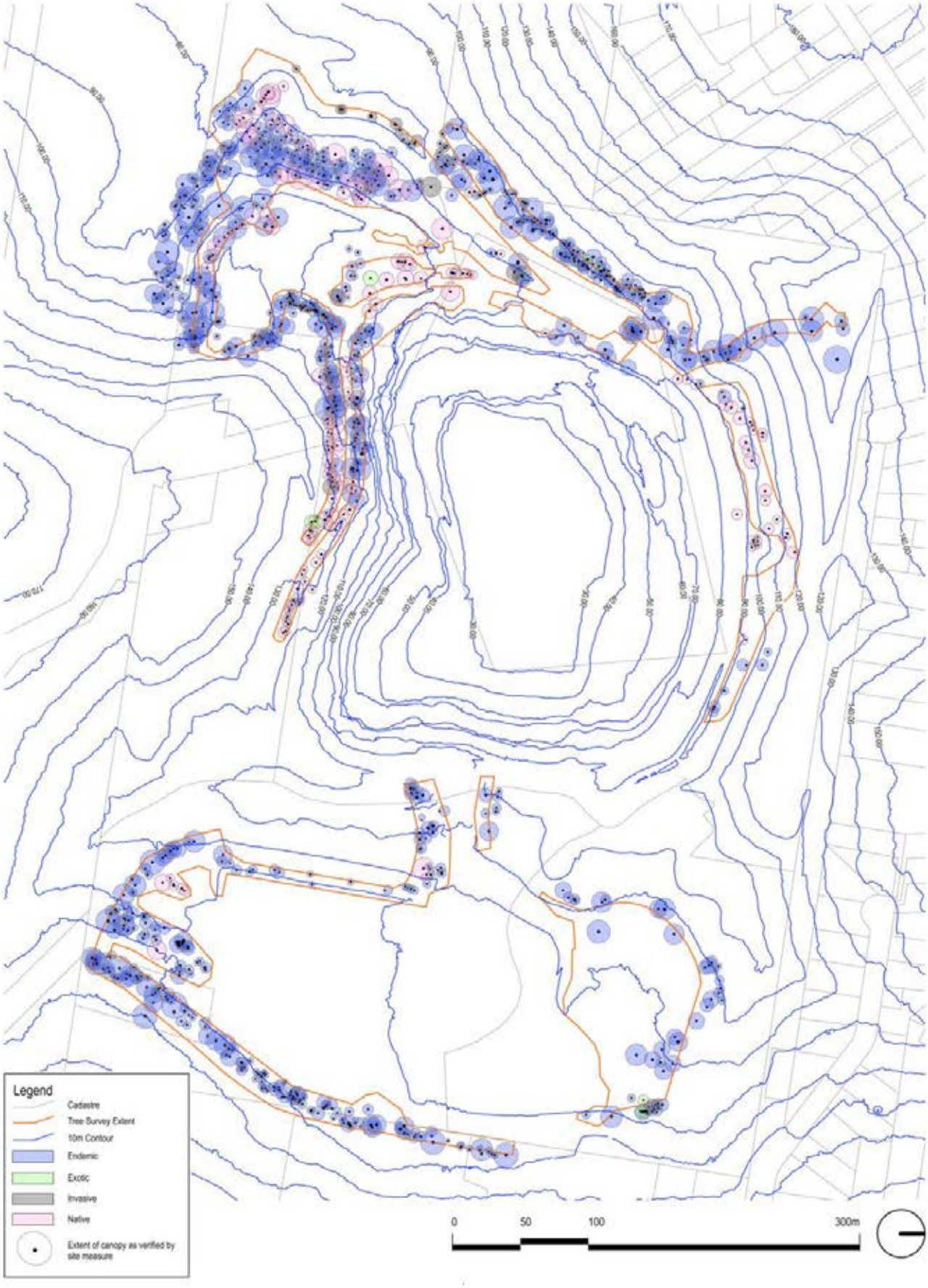

Figure 15 – Tree Origins Plan - Overview plan illustrating the general arrangement of trees that were surveyed and whether they are endemic to the site, general Australian native species or other exotic or invasive species. (Source: Arterra) [Note: this information is presented in the appendix via more detailed plans, including tree ID numbers.]

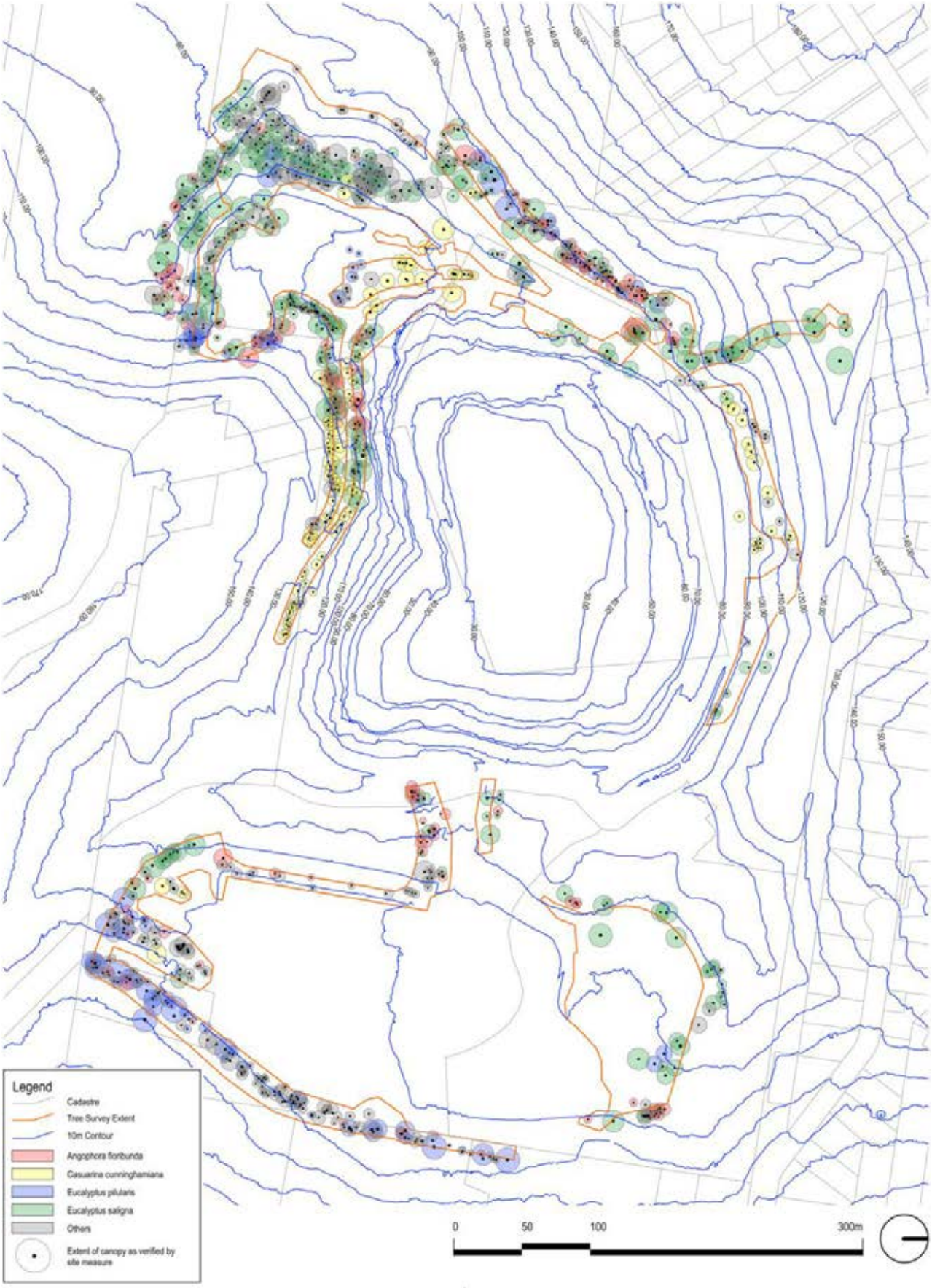

Figure 16 – Tree Species Distribution Plan - Overview plan illustrating the general arrangement of trees that were surveyed and the relative location of the primary species. (Source: Arterra) [Note: this information is presented in the appendix via more detailed plans, including tree ID numbers.]

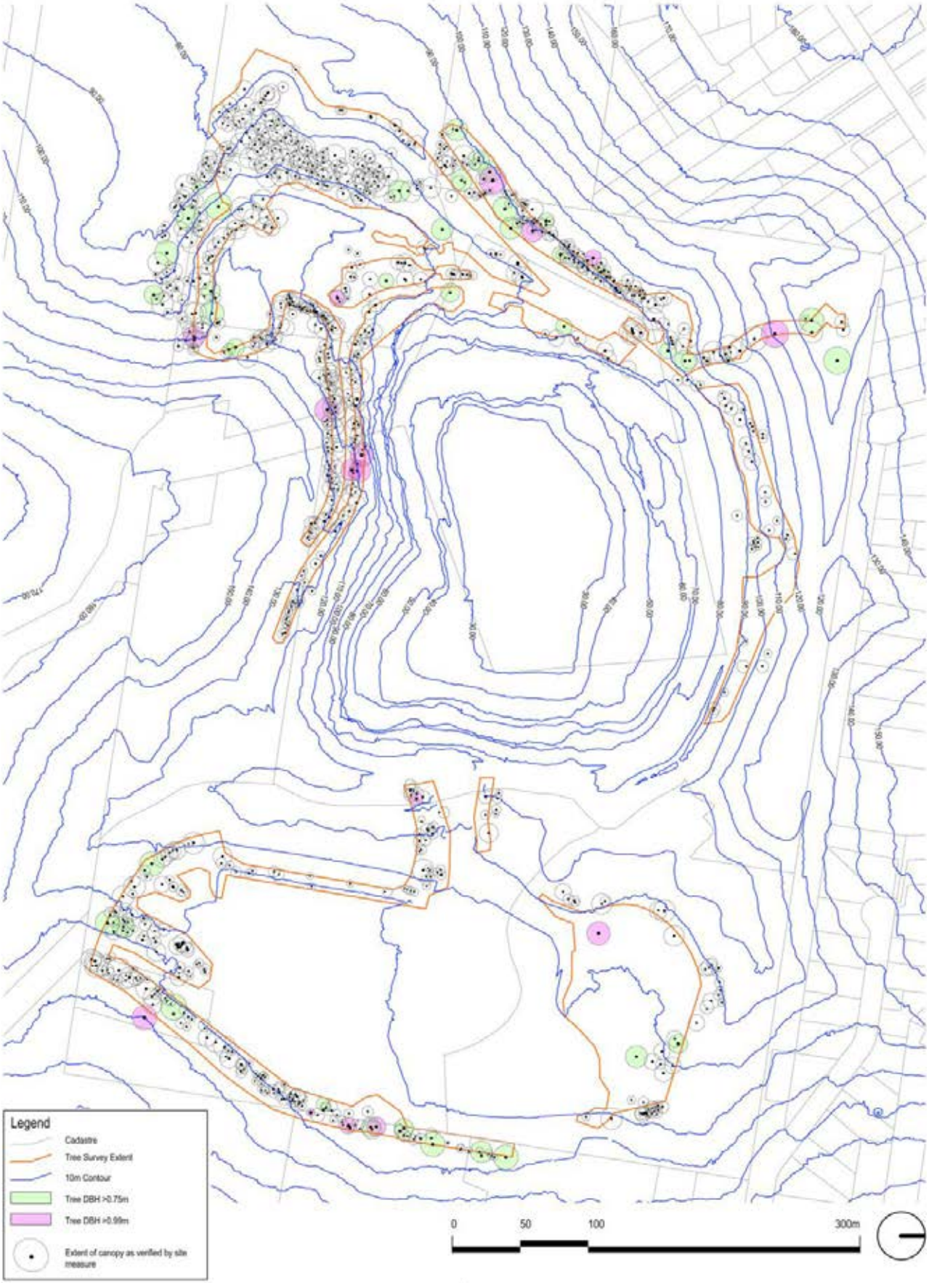

Figure 17 – Significant / Large Tree Plan - Overview plan highlighting the location of the particularly large and significant trees that were recorded. (Source: Arterra) [Note: this information is presented in the appendix via more detailed plans, including tree ID numbers.]

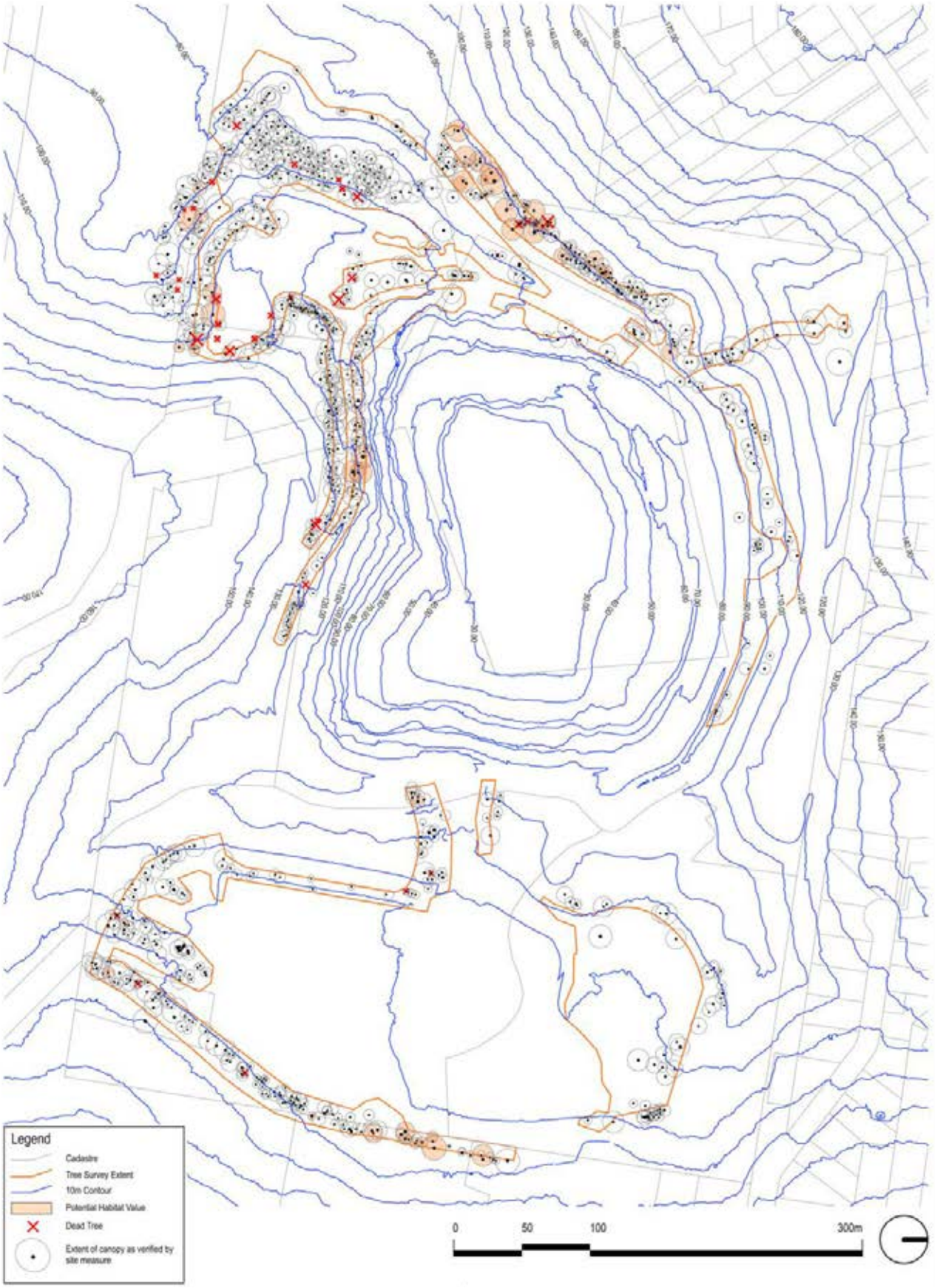

Figure 18 – Habitat Value Trees and Dead Trees - Overview plan highlighting the location of tree considered to provide habitat value plus also the location of dead trees. Note these two categories can and often do overlap, although not all dead trees provide habitat. (Source: Arterra) [Note: this information is presented in the appendix via more detailed plans, including tree ID numbers.]

Table 6 - Population by Age Class

Age Class	Number of Trees	% of Population
Mature	848	84%
Semi-mature	84	8%
Over-mature	33	3%
Senescent	3	<1%
Dead	37	4%
Total Population	**1005**	**100.00%**

2.3 Tree Biology and Tree Care Basics

Trees are dynamic living organisms. Trees can be very susceptible to damage, stress and declining rapidly if overly impacted by construction. Trees take decades to grow but can be injured and killed in a very short time frame. This is particularly due to the irreparable damage to the often shallow, extensive and unseen root systems. It is rarely possible to repair a stressed or damaged tree, after the damage has occurred. Proper protection is the key. Severing of roots within the Structural Root Zone (SRZ) can also lead to potentially unsafe instability of the tree as a structure.

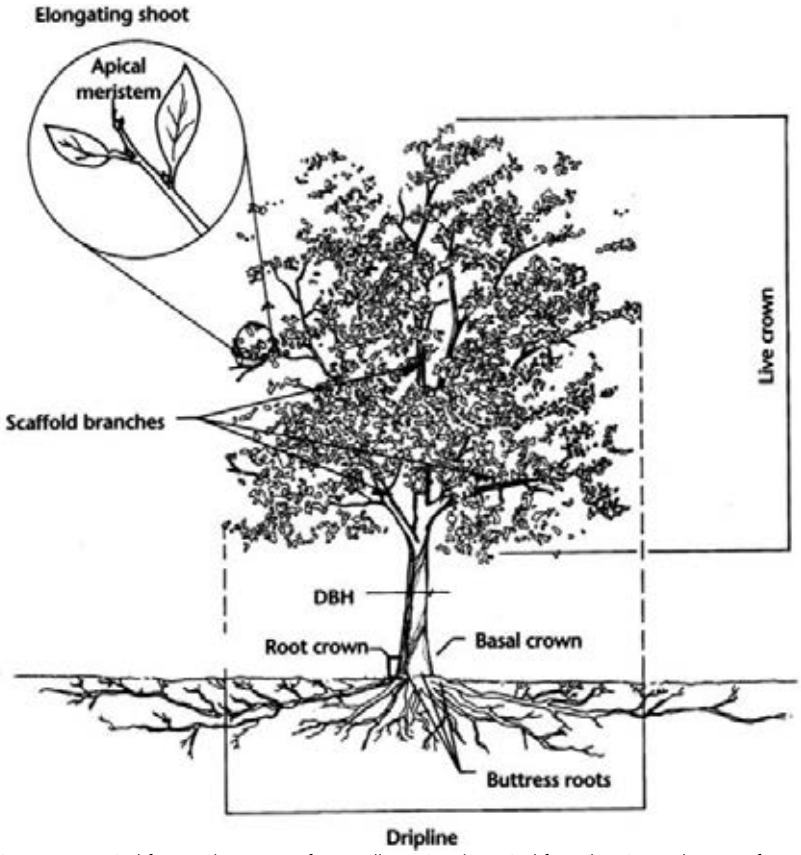

Figure 19 – Typical form and structure of a tree illustrating the typical form, location and extent of root growth (Source: Matheny and Clark, 1998)

Basic Tree Needs

As a living organism a tree remains alive by completing the following chemical reaction -
Carbon Dioxide and water in combination with chlorophyll and light is converted to Glucose and Oxygen [CO_2 + H_2O + light = sugar (CH_2O [Glucose]) + O_2]

The process ultimately leads to the plant cells 'respiring' and producing energy for survival, a natural requirement for all living cells. Anything that affects a plant's photosynthesis and then cellular respiration will affect the overall plant health. The limiting factors of photosynthesis and respiration will typically be the availability of oxygen, water and nutrients, which make up the important chemical molecules and reactions.

Trees therefore have five basic requirements to survive and successfully grow:-

1. Oxygen (and particularly oxygen within the soil);
2. Water (a cellular necessity and primarily taken up by the tree roots);

3. Light & Sufficient Foliage (in order to photosynthesise and create the resources needed for cellular survival);
4. Soil (for physical anchorage and critical chemical nutrients) and
5. Physical Space (both above and below ground to grow).

Importantly, a minimum of 15% soil oxygen is required for active root growth and nutrient uptake. Less than 10% available soil oxygen starts to restrict root extension and growth and a minimum of 3% soil oxygen is required to just maintain root existence. Less than this will result in root death (Harris 1999).

One of the most insidious affects of construction on trees is often that of soil compaction or covering of root zones with impervious surfaces, as it:-

- Reduces infiltration rates of surface water;
- Reduces the availability of water to the roots as they can't naturally extract remaining moisture when soil becomes too dry;
- Reduces air to roots (roots cease to function properly and die without oxygen);
- Increased soil strength caused by compaction mean that roots need more energy to growth through it or can't even physically penetrate the soil;
- Roots are physically broken or crushed and there is increased potential for fungal and pathogen attack. (Harris 1999).

Tree Tolerance

Typically older and larger trees are less tolerant of construction impacts. Different species also have different tolerance of injury and disturbance. Importantly it needs to be stressed, that a tree does not "heal" from injury as animals do. Typically any injury made to a tree results in the tree expending considerable energy reserves to create new growth that "seals" and surrounds a wound and then attempting to compensate structurally and physically for any losses. Impacts to trees are therefore cumulative and a series of otherwise small and unrelated impacts can easily result in the death of a tree.

A tree that is already compromised or showing signs of stress is far less likely to tolerate construction impacts due to its lower levels of energy reserves and already weakened state. Therefore a tree that is only in a fair condition or poor condition is less likely to tolerate construction impacts than a young tree in good or excellent condition.

Weakened or stressed trees are also far less able to combat the myriad of normal environmental stresses and pathogens that are naturally imposed against them such as drought, decay, fungi, bacteria and insect pests.

2.4 Potential Tree Related Impacts to be Managed During Future Construction

The main potential impacts from the potential and proposed construction activity can be summarised as tree damage and 'reduced life expectancy' caused by:-

- Root loss and disturbance due to site excavations;
- Compaction of the root zone from filling or storage and stockpiling of materials;
- Contamination of the soil from; the preparation of chemicals, wash down/ cleaning of equipment, refuelling of vehicles and dumping of waste;
- Compaction of the root zone from haul roads and the parking of vehicles/ plant equipment;
- Root disturbance from cut and fill and soil level changes;
- Physical damage to the tree trunks and branches from passing machinery;
- Damage to the tree roots from landscaping and pedestrian pathway construction.

The following Section provides some recommendations with regard to tree retention and proposed measures that aim to minimise and avoid these impacts as much as realistically possible.

3.0 FINDINGS AND CONCLUSIONS

3.1 Nominal Tree Protection Zones

The nominal tree protection zones have been calculated for all the trees on the site. These zones have been calculated based on the Australian Standard 4970 – Protection of Trees on Development Sites. At this stage they have been depicted as simple circles centred on the trunks of the trees and depicted graphically on the tree inventory plans for the 'high' and 'moderate' condition rating trees only.

It is important to note that where a tree is located adjacent to or near elements such as much larger existing trees or retaining walls, very steep embankments, rock outcrops etc. the TPZ and SRZ may have to be adjusted to compensate for the likelihood of there being little root development into these constrained areas. Any adjusted TPZ for each tree should be offset from the constraining element, to an approximately equal area, to more accurately represent the likely extent of tree roots. This level of assessment has not been possible, or feasible, given the numbers of trees being assessed and the currently unknown nature of the likely tree removals and bulk earthworks.

Encroachments and deviations within the nominal tree protection zones may be considered. It should be noted however that:-

- Minor encroachments of less than 10% would be acceptable but should typically involve compensatory areas applied elsewhere contiguous to the remaining TPZ;
- Major encroachments may necessitate the need for a much more indepth inspection of the particular tree(s) and potentially non-destructive investigations of root extents to justify the proposed incursion;
- Above ground encroachments may also need to consider the impact and loss of any branches and foliage;
- Incursions into the Structural Root Zone will typically not be allowed and it would be difficult to justify that level of incursion without extraordinary building techniques being employed and/or rigorous investigation of the tree root zone.

It is important to note that for many of the trees observed, traditional and nominal Tree Protection Zones may not strictly apply, as they would normally for more traditional forest trees or urban parkland trees. Many trees are growing in rather extreme and very disturbed environments. Others are also growing in naturally rocky conditions with minimal soils, that is common for this type of geology, and therefore root developments can be very 'atypical'. For example, trees growing in a very rocky or cliff like surroundings may have roots that are totally to one side of the tree and expanding throughout extensive rock crevices and fissures. The extent and nature of the root development in this environment would be very difficult to predict.

Figure 20 – Photo illustrating tree root development in extreme environments such as on cliffs or steep embankments may be very atypical and not confirm to normal circular and nominal TPZs. Once the exact nature or earthworks and disturbances are known it may be necessary to undertake more site specific analysis of individual trees that are desired to be retained and protected. (Photo: Arterra 25/7/19)

Likewise, trees that are growing on very steep land may develop root systems that are extremely biased towards upslope directions, to facilitate tree stability, and there may be very little structural root development on the less structurally important, downslope side of the tree.

It was also noted during field assessments that some trees may be growing in, or next to historically constructed or 'filled' gullys or adjacent to more recent erosion areas and large washouts. In these instance, the root development may need to be far more carefully assessed once the desired earthworks and nature and direction of disturbance is known. For example, trees may have developed very one side root plates or ones that may be very easily undermined and subject to structural failure. It may be possible to undertake earthworks much closer to some of these trees than would normally be allowed, particularly if it involves careful and judicious removal of rocks or spoil that may have been placed after the tree had initially started to establish.

In summary, the starting position for a tree to be retained should be to ensure work is undertaken well outside its 'nominal' tree protection zone. If it is required to undertake disturbances closer to some important trees, it may be necessary to conduct more detailed arboricultural assessments and reviews base on the specific site conditions surrounding those trees. Typically, it will be far more critical to avoid disturbance on the upslope side of trees when they are located on steep embankments.

3.2 Key Recommendations to Reduce Potential Tree Impacts

The actual tree protection measures required to be imposed on the site cannot be fully explored until the nature and extent of the development and proposed earthworks is fully known. The following broad guidelines can be given as an indication of the likely measures that will be required to retain and protect trees that may be outside the disturbance zone or adjacent to the work area.

Design and Realistic Expectations

The best tree protection measure is to consider the retention and physical requirements of the trees to be retained during the design period for the project. Most importantly a tree to be retained should be given the appropriate space to grow and continue to develop and prosper for many years to come. As much as possible, all work, including bulk earthworks, road construction, trenching and landscaping should be avoided within the identified TPZs. Where an incursion is required, this should be limited and appropriate compensatory areas applied elsewhere, that are contiguous to the remaining TPZ.

Where adequate protection is not possible, or is unlikely to be rigorously defended by the client and their contractors, then serious thought should be given to removing the tree and ultimately replacing it with new tree planting at the completion of the development. This is preferable to wasting time, resources and development energy on retaining a tree that will almost inevitably decline and die, or that may become structural unstable.

Clearing and Removal of Trees to be Removed

Removal and clearing of existing trees should be done by a suitably qualified and experience arborist. Care should be taken to avoid impact or damage to other surrounding trees throughout the process. Existing stumps should be grubbed out or ground in a controlled fashion to remove wood that may decay and promote unwanted pathogens.

Tree Protection and Exclusion Fencing

Prior to any major works, including demolition and bulk grading, a rigid temporary 1.8m high metal "Tree Protection Fence" with adequate lateral bracing and signage shall typically be installed to demarcate and restrict access to all identified tree protections zones. No unauthorised access should be permitted within this zone once the fence is erected. No stockpiling, excavation, trenching or material storage should be allowed in this area.

If work is required with in a TPZ, this work should be done with small tracked equipment or by hand, with care to limit damage and disturbance of the root zone. All work within TPZ zones should be supervised and overseen by a qualified AQF5arborist.

Controlled Construction Access & Ground Protection

Construction access points and stockpiling and storage areas shall be clearly identified and fenced where appropriate. Uncontrolled access points and parking of vehicles on site is to be avoided. Parking around the shade of existing trees is a common practice for many Contractors and unless controlled can lead to unexpected damage to trees that were thought to be well away from the works areas. If access is required through a tree protection zone, the access way shall be mulched with 100mm of hardwood woodchip with rumble boards or other suitable rigid plating laid down over the mulch to limit soil compaction and root disturbance.

Clearance Pruning

Pruning of retained trees should typically be avoided. If there is need for pruning of the tree canopies to facilitate machinery access or proposed building encroachments, this pruning should only be done by a qualified arborist and strictly in accordance with AS 4373-2007 Pruning of Amenity Trees.

Communication - Tool Box Meetings and Construction Inductions

All contractors and subcontractors should be properly inducted prior to working on the site. All inductions shall include description and identification of the sites Tree Protection Zones and the restriction on work and activities with regard to site trees. The site foreman shall ensure that all new staff and contractors are appropriately inducted and that brief "tool box" meetings are conducted regularly to ensure Tree Protection is maintained at the forefront

of workers' minds. A nominated representative should be appointed with the responsibility of regularly checking and maintaining the tree protection measures in site.

3.3 References

- Beadle, N.C.W. et al. 1986. Flora of the Sydney Region 3rd Ed. Reed Books. Frenchs Forest, NSW.
- Benson, D. and Howell, J. 1995, Taken for granted – the bushland of Sydney and its suburbs, Kangaroo Press in association with the Royal Botanic Gardens Sydney, Kenthurst, NSW.
- Boland, D.J et al 1984, Forest trees of Australia, Thomas Nelson and CSIRO, Melbourne, Vic.
- Brooker, M.I.H and Kleinig, D.A. 2006, Field Guide to Eucalypts – Volume 1 South-eastern Australia. Blooming Books. Melbourne, Vic.
- Chapman, G.A and Murphy, C.L 1989, *Soil landscapes of the Sydney 1:100 000 Sheet Report*, Soil Conservation Service of NSW, Sydney, NSW.
- Harris, R.W, Clark, J.R & Matheny, Nelda P, 1999*, Arboriculture: Integrated management of landscape trees, shrubs and vines*. 3rd Ed. Prentice Hall. New Jersey, US
- Matheny, Nelda P and Clark J.R, 1998, *Trees and development - a technical guide to preservation of trees during land development*, International Society of Arboriculture, Illinois, US.
- Roberts, J. Jackson, N. and Smith, M. 2006. *Tree roots in the built environment. No.8* Research for Amenity Trees, Dept. for Communities and Local Government, London.
- Robinson, L. 1991, Field guide to the native plants of Sydney, 2nd ed. Kangaroo Press, Maryborough, Vic.
- Standards Australia, 2007, *AS 4373-2007 Pruning of amenity trees*. Standards Australia, Sydney.
- Standards Australia, 2009, *AS 4970-2009 Protection of Trees on Development Sites*. Standards Australia, Sydney.

- End of report.

4.0 APPENDICES

4.1 Hornsby Quarry - Tree Assessment Schedule

Hornsby Quarry - Tree Assessment Schedule

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgt) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
1	1		*Eucalyptus pilularis*	Blackbutt	22.5	15.0	0.55	0.62	6.60	2.71	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
2	1		*Eucalyptus pilularis*	Blackbutt	22.0	15.0	0.50	0.60	6.00	2.67	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
3	1		*Eucalyptus pilularis*	Blackbutt	20.5	17.0	0.65	0.78	7.80	2.98	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	
4	1		*Angophora costata*	Smooth-barked Apple	11.0	9.0	0.18	0.21	2.16	1.72	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
5	1		*Angophora costata*	Smooth-barked Apple	12.5	8.0	0.15	0.18	2.00	1.61	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
6	1		*Eucalyptus pilularis*	Blackbutt	19.0	6.0	0.23	0.26	2.76	1.88	Semi-mature	Normal	Average		Long (>40 years)	Endemic		3 Low	Damage to trunk from 0.5-2.0m. Close to adjacent stormwater pit.
7	1		*Eucalyptus pilularis*	Blackbutt	19.0	6.0	0.25	0.28	3.00	1.94	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Adjacent to stormwater pit. Asymmetric canopy to north-west.
8	1		*Angophora costata*	Smooth-barked Apple	15.5	8.0	0.22	0.26	2.64	1.88	Semi-mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
9	1		*Angophora costata*	Smooth-barked Apple	16.0	9.0	0.28	0.30	3.36	2.00	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
10	1		*Angophora floribunda*	Rough-barked Apple	11.0	9.0	0.26	0.29	3.12	1.97	Mature	Poor	Average	Deadwood-Minor Decay-Minor Tip Dieback	Short (5-15 years)	Endemic	Small Hollows or Spouts	3 Low	
11	1		*Eucalyptus pilularis*	Blackbutt	21.0	18.0	0.66	0.75	7.92	2.93	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
12	1		*Eucalyptus pilularis*	Blackbutt	21.5	8.0	0.33	0.41	3.96	2.28	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
13	1		*Angophora costata*	Smooth-barked Apple	12.5	6.0	0.18	0.22	2.16	1.75	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
14	1		*Angophora costata*	Smooth-barked Apple	12.5	6.0	0.20	0.25	2.40	1.85	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
15	1		*Angophora floribunda*	Rough-barked Apple	17.5	12.0	0.24	0.31	2.88	2.02	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
16	1		*Eucalyptus pilularis*	Blackbutt	23.0	15.0	0.60	0.80	7.20	3.01	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
17	1		*Allocasuarina littoralis*	Black She-Oak	9.0	6.0	0.17	0.23	2.04	1.79	Over-mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low	Near road edge.
18	1		*Allocasuarina littoralis*	Black She-Oak	9.0	6.0	0.17	0.22	2.04	1.75	Over-mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy Lean-Minor	Short (5-15 years)	Endemic		3 Low	Near road edge. Growing out of embankment.
19	1		*Allocasuarina littoralis*	Black She-Oak	7.0	5.0	0.18	0.20	2.16	1.68	Over-mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low	Near road edge. Growing out of embankment.
20	1		*Eucalyptus pilularis*	Blackbutt	15.0	11.0	0.23	0.27	2.76	1.91	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
21	1		*Allocasuarina littoralis*	Black She-Oak	8.0	6.0	0.15	0.19	2.00	1.65	Dead	Dead	Average	Deadwood-Minor	Remove (<5 years)	Endemic		1 Dead	
22	1		*Eucalyptus pilularis*	Blackbutt	18.0	15.0	0.55	0.55	6.60	2.57	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
23	1		*Eucalyptus pilularis*	Blackbutt	16.5	13.0	0.52	0.60	6.24	2.67	Over-mature	Poor	Poor	Deadwood-Major Decay-Minor Termites Tip Dieback	Medium (15-40 years)	Endemic		3 Low	Central leader dead
24	1		*Eucalyptus pilularis*	Blackbutt	13.0	7.0	0.29	0.33	3.48	2.08	Semi-mature	Normal	Poor	Asymmetric Canopy Co-dominant Stems Deadwood-Minor Inclusions	Long (>40 years)	Endemic		4 Moderate	
25	1		*Eucalyptus pilularis*	Blackbutt	14.0	6.0	0.19	0.26	2.28	1.88	Semi-mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	At base of embankment.
26	1		*Allocasuarina littoralis*	Black She-Oak	6.5	6.0	0.15	0.30	2.00	2.00	Mature	Fair	Poor	Deadwood-Minor	Short (5-15 years)	Endemic		3 Low	Growing out of embankment.
27	1		*Eucalyptus pilularis*	Blackbutt	18.5	14.0	0.40	0.48	4.80	2.43	Mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
28	1		*Eucalyptus pilularis*	Blackbutt	22.0	18.0	1.29	1.34	15.00	3.74	Mature	Good	Average	Co-dominant Stems Branch Tearouts Deadwood-Major	Long (>40 years)	Endemic		5 High	Major tree with carved rock bath at the base to south-eastern side.
29	1		*Eucalyptus pilularis*	Blackbutt	17.0	6.0	0.18	0.26	2.16	1.88	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment.
30	1		*Eucalyptus pilularis*	Blackbutt	18.0	11.0	0.27	0.34	3.24	2.10	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
31	1		*Eucalyptus pilularis*	Blackbutt	16.5	7.0	0.15	0.22	2.00	1.75	Mature	Normal	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy and lean to west.
32	1		*Eucalyptus pilularis*	Blackbutt	21.0	19.0	0.99	1.11	11.88	3.46	Mature	Fair	Average	Co-dominant Stems Deadwood-Minor Decay-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy and lean to west.
33	1		*Eucalyptus pilularis*	Blackbutt	16.0	7.0	0.19	0.26	2.28	1.88	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
34	1		*Eucalyptus pilularis*	Blackbutt	17.0	7.0	0.23	0.29	2.76	1.97	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
35	1		*Angophora costata*	Smooth-barked Apple	11.0	8.0	0.23	0.29	2.76	1.97	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Growing on rock shelf.
36	1		*Eucalyptus pilularis*	Blackbutt	12.0	6.0	0.16	0.20	2.00	1.68	Semi-mature	Normal	Average	Lean-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
37	1		*Angophora floribunda*	Rough-barked Apple	10.0	5.0	0.22	0.28	2.64	1.94	Mature	Fair	Average	Deadwood-Minor Tip Dieback Co-dominant Stems	Long (>40 years)	Endemic		3 Low	Multi-trunk from base. In embankment.
38	1		*Eucalyptus pilularis*	Blackbutt	15.5	9.0	0.30	0.37	3.60	2.18	Mature	Normal	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
39	1		*Angophora costata*	Smooth-barked Apple	15.0	13.0	0.43	0.50	5.16	2.47	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic		5 High	
40	1		*Angophora costata*	Smooth-barked Apple	17.5	15.0	0.67	0.77	8.04	2.97	Mature	Fair	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Sparse canopy.
41	1		*Eucalyptus pilularis*	Blackbutt	17.0	16.0	0.64	0.75	7.68	2.93	Mature	Good	Poor	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	
42	1		*Eucalyptus pilularis*	Blackbutt	12.0	6.0	0.16	0.21	2.00	1.72	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
43	1		*Syncarpia glomulifera*	Turpentine	12.0	6.0	0.24	0.30	2.88	2.00	Mature	Fair	Poor	Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Canopy to south.
44	1		*Angophora costata*	Smooth-barked Apple	16.5	14.0	0.54	0.65	6.48	2.76	Mature	Fair	Good	Deadwood-Major Tip Dieback Termites	Long (>40 years)	Endemic		5 High	Sparse canopy. Basal wounding. Historical termite mudding.
45	1		*Eucalyptus pilularis*	Blackbutt	17.0	8.0	0.24	0.29	2.88	1.97	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing out of embankment. Canopy to west.
46	1		*Eucalyptus pilularis*	Blackbutt	17.0	8.0	0.24	0.33	2.88	2.08	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
47	1		*Eucalyptus resinifera*	Red Mahogany	18.0	8.0	0.34	0.44	4.08	2.34	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
48	1		*Eucalyptus resinifera*	Red Mahogany	16.5	8.0	0.30	0.39	3.60	2.23	Mature	Poor	Poor		Long (>40 years)	Endemic		3 Low	
49	1		*Syncarpia glomulifera*	Turpentine	13.5	6.0	0.24	0.35	2.88	2.13	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
50	1		*Banksia serrata*	Old Man Banksia	13.5	6.0	0.20	0.27	2.40	1.91	Dead	Dead	Poor	Termites	Remove (<5 years)	Endemic		1 Dead	
51	1		*Banksia serrata*	Old Man Banksia	8.5	5.0	0.26	0.29	3.12	1.97	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Growing out of cliff base. Good tree.
52	1		*Syncarpia glomulifera*	Turpentine	10.0	5.0	0.19	0.24	2.28	1.82	Semi-mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	
53	1		*Syncarpia glomulifera*	Turpentine	10.0	5.0	0.21	0.35	2.52	2.13	Semi-mature	Good	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Multitrunked, historically felled or failed from base, resprouting with 5-6 trunks.
54	1		*Exocarpus cupressiformis*	Ballart	10.0	5.0	0.23	0.23	2.76	1.79	Mature	Fair	Poor	Lean-Major	Short (5-15 years)	Endemic		3 Low	Very chlorotic foliage, lean towards west. probably displaced by failed Turpentine adjacent trunk. Growing out of base of T52
55	1		*Angophora floribunda*	Rough-barked Apple	10.0	5.0	0.24	0.30	2.88	2.00	Semi-mature	Good	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean and butt sweep at base.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
56	1		*Angophora costata*	Smooth-barked Apple	8.5	5.0	0.18	0.28	2.16	1.94	Semi-mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	Growing out of near vertical cliff.
57	1		*Eucalyptus resinifera*	Red Mahogany	10.5	5.0	0.17	0.24	2.04	1.82	Semi-mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	
58	1		*Syncarpia glomulifera*	Turpentine	7.0	5.0	0.24	0.29	2.88	1.97	Mature	Good	Average	Epicormic Growth Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Growing out of near vertical cliff. Previously topped for clearing SSM.
59	1		*Banksia serrata*	Old Man Banksia	9.0	5.0	0.32	0.32	3.84	2.05	Mature	Good	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		5 High	Growing on top of rock shelf.
60	1		*Eucalyptus pilularis*	Blackbutt	7.0	5.0	0.18	0.30	2.16	2.00	Semi-mature	Fair	Poor	Epicormic Growth	Long (>40 years)	Endemic		3 Low	Growing out of near vertical cliff. Previously topped for clearing sightlines to SSM.
61	1		*Angophora costata*	Smooth-barked Apple	11.0	6.0	0.20	0.24	2.40	1.82	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
62	1		*Allocasuarina littoralis*	Black She-Oak	7.0	6.0	0.17	0.23	2.04	1.79	Over-mature	Normal	Average	Lean-Minor Deadwood-Minor	Short (5-15 years)	Endemic		3 Low	Asymmetric to south-west.
63	1		*Allocasuarina littoralis*	Black She-Oak	8.5	7.0	0.18	0.24	2.16	1.82	Mature	Fair	Poor	Asymmetric Canopy Lean-Minor Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to south-west.
64	1		*Allocasuarina littoralis*	Black She-Oak	9.5	7.0	0.17	0.24	2.04	1.82	Mature	Fair	Poor	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	
65	1		*Eucalyptus pilularis*	Blackbutt	19.0	7.0	0.33	0.40	3.96	2.25	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Good tree.
66	1		*Allocasuarina torulosa*	Forest Oak	11.5	8.0	0.22	0.32	2.64	2.05	Mature	Good	Good		Medium (15-40 years)	Endemic		5 High	
67	1		*Angophora costata*	Smooth-barked Apple	14.0	8.0	0.27	0.32	3.24	2.05	Mature	Fair	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to west
68	1		*Angophora costata*	Smooth-barked Apple	17.5	9.0	0.46	0.46	5.52	2.39	Mature	Normal	Average	Branch Tearouts Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate	
69	1		*Banksia serrata*	Old Man Banksia	10.5	6.0	0.30	0.34	3.60	2.10	Mature	Fair	Average	Deadwood-Minor Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south-west.
70	1		*Allocasuarina torulosa*	Forest Oak	14.0	5.0	0.16	0.22	2.00	1.75	Mature	Good	Good		Medium (15-40 years)	Endemic		5 High	
71	1		*Eucalyptus resinifera*	Red Mahogany	22.0	9.0	0.38	0.46	4.56	2.39	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
72	1		*Eucalyptus pilularis*	Blackbutt	19.0	8.0	0.26	0.34	3.12	2.10	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Good tree.
73	1		*Syncarpia glomulifera*	Turpentine	15.5	7.0	0.22	0.28	2.64	1.94	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	Good tree.
74	1		*Syncarpia glomulifera*	Turpentine	18.0	8.0	0.47	0.57	5.64	2.61	Mature	Good	Average	Inclusions Co-dominant Stems	Long (>40 years)	Endemic		5 High	Good tree.
75	1		*Allocasuarina torulosa*	Forest Oak	14.0	6.0	0.23	0.35	2.76	2.13	Mature	Good	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Substantial wound to base to east. Asymmetric to west.
76	1		*Eucalyptus pilularis*	Blackbutt	23.0	12.0	0.60	0.62	7.20	2.71	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good tree.
77	1		*Angophora costata*	Smooth-barked Apple	17.0	9.0	0.43	0.53	5.16	2.53	Mature	Poor	Poor	Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Very asymmetric to west.
78	1		*Syncarpia glomulifera*	Turpentine	15.5	5.0	0.22	0.32	2.64	2.05	Mature	Good	Average	Inclusions	Long (>40 years)	Endemic		4 Moderate	
79	1		*Syncarpia glomulifera*	Turpentine	15.0	6.0	0.27	0.33	3.24	2.08	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	
80	1		*Eucalyptus pilularis*	Blackbutt	15.0	6.0	1.15	1.25	13.80	3.63	Over-mature	Moribund	Average	Branch Tearouts Epicormic Growth Tip Dieback Deadwood-Major	Short (5-15 years)	Endemic	Stag Creation Potential	2 Very Poor	Really only one lower major branch to west remaining alive. Could be good wild life stag candidate.
81	1		*Allocasuarina torulosa*	Forest Oak	14.0	6.0	0.27	0.32	3.24	2.05	Mature	Good	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Wound to base to east. Asymmetric to west.
82	1		*Angophora costata*	Smooth-barked Apple	19.0	10.0	0.90	0.90	10.80	3.17	Mature	Fair	Average	Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		4 Moderate	Very asymmetric to west. Sparse foliage
83	1		*Angophora costata*	Smooth-barked Apple	19.0	10.0	0.40	0.52	4.80	2.51	Mature	Poor	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Very sparse foliage.
84	1		*Allocasuarina torulosa*	Forest Oak	10.5	5.0	0.21	0.26	2.52	1.88	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Wound to base to east. Asymmetric to west.
85	1		*Allocasuarina torulosa*	Forest Oak	12.0	7.0	0.26	0.37	3.12	2.18	Mature	Fair	Average	Asymmetric Canopy Decay-Minor Lean-Major Termites	Medium (15-40 years)	Endemic		3 Low	Major wounding to base to south-east. Asymmetric to west.
86	1		*Angophora floribunda*	Rough-barked Apple	12.0	6.0	0.17	0.24	2.04	1.82	Semi-mature	Fair	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
87	1		*Eucalyptus pilularis*	Blackbutt	22.0	12.0	1.00	1.20	12.00	3.57	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Growing against boulder.
88	2		*Syncarpia glomulifera*	Turpentine	14.0	5.0	0.28	0.70	3.36	2.85	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	
89	1		*Angophora costata*	Smooth-barked Apple	9.0	5.0	0.15	0.22	2.00	1.75	Semi-mature	Fair	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric canopy to west.
90	1		*Angophora costata*	Smooth-barked Apple	13.0	7.0	0.27	0.31	3.24	2.02	Mature	Fair	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric canopy to west.
91	1		*Allocasuarina torulosa*	Forest Oak	13.5	7.0	0.32	0.44	3.84	2.34	Mature	Fair	Average	Asymmetric Canopy Tip Dieback	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.
92	1		*Allocasuarina torulosa*	Forest Oak	8.5	7.0	0.23	0.26	2.76	1.88	Mature	Good	Poor	Epicormic Growth Branch Tearouts	Medium (15-40 years)	Endemic		3 Low	Historically broken leader at 2.0m. Canopy now regrowth.
93	1		*Syncarpia glomulifera*	Turpentine	16.0	8.0	0.52	0.57	6.24	2.61	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Very asymmetric canopy to west.
94	1		*Allocasuarina torulosa*	Forest Oak	13.0	6.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Asymmetric Canopy Tip Dieback	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.
95	1		*Pittosporum undulatum*	Sweet Pittosporum	12.5	7.0	0.42	0.42	5.04	2.30	Mature	Normal	Average	Decay-Minor Termites	Medium (15-40 years)	Endemic		4 Moderate	
96	1		*Syncarpia glomulifera*	Turpentine	16.0	8.0	0.55	0.55	6.60	2.57	Mature	Fair	Average	Decay-Minor Deadwood-Minor Termites Co-dominant Stems Inclusions	Medium (15-40 years)	Endemic		3 Low	Major cambial dysfunction to south and fungal fruiting bodes noted to southern trunk.
97	1		*Eucalyptus pilularis*	Blackbutt	37.0	14.0	0.82	0.97	9.84	3.27	Mature	Fair	Average	Termites Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
98	1		*Syncarpia glomulifera*	Turpentine	20.0	14.0	0.59	0.63	7.08	2.73	Mature	Fair	Average	Termites Deadwood-Major	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Major hollow from base to 3.5m on east.
99	1		*Eucalyptus pilularis*	Blackbutt	37.0	14.0	1.03	1.10	12.36	3.44	Mature	Normal	Good	Termites Deadwood-Major	Long (>40 years)	Endemic		5 High	
100	1		*Allocasuarina littoralis*	Black She-Oak	12.5	7.0	0.27	0.34	3.24	2.10	Mature	Fair	Average	Asymmetric Canopy Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west.
101	1		*Angophora floribunda*	Rough-barked Apple	18.5	9.0	0.50	0.65	6.00	2.76	Mature	Poor	Average	Termites Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Sparse canopy. Termite mudding and chamber at first fork at 8.0m.
102	1		*Eucalyptus pilularis*	Blackbutt	36.0	14.0	0.93	1.09	11.16	3.43	Mature	Normal	Good	Termites Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
103	1		*Eucalyptus pilularis*	Blackbutt	25.0	9.0	0.56	0.68	6.72	2.81	Mature	Normal	Good	Termites Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
104	1		*Syncarpia glomulifera*	Turpentine	16.0	6.0	0.27	0.34	3.24	2.10	Mature	Normal	Good	Termites Branch Tearouts	Long (>40 years)	Endemic		5 High	
105	1		*Syncarpia glomulifera*	Turpentine	20.0	8.0	0.48	0.54	5.76	2.55	Mature	Normal	Good	Decay-Minor Cavity	Long (>40 years)	Endemic	Basal Hollow	5 High	Basal hollow
106	1		*Allocasuarina littoralis*	Black She-Oak	15.0	7.0	0.20	0.27	2.40	1.91	Mature	Good	Good	Asymmetric Canopy	Medium (15-40 years)	Endemic		5 High	Asymmetric to west.
107	1		*Syncarpia glomulifera*	Turpentine	25.0	8.0	0.39	0.64	4.68	2.74	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic	Basal Hollow	5 High	Basal hollow
108	1		*Angophora costata*	Smooth-barked Apple	19.5	8.0	0.38	0.44	4.56	2.34	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Very asymmetric to west.
109	1		*Eucalyptus pilularis*	Blackbutt	33.0	18.0	0.87	0.99	10.44	3.30	Mature	Good	Good	Termites Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Large Hollow	5 High	Excellent tree.
110	1		*Allocasuarina torulosa*	Forest Oak	6.0	3.0	0.33	0.40	3.96	2.25	Mature	Good	Poor	Epicormic Growth	Medium (15-40 years)	Endemic		3 Low	Previously topped at 1.5m. Extensive epicormic regrowth.
111	1		*Eucalyptus pilularis*	Blackbutt	17.5	6.0	0.27	0.33	3.24	2.08	Mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
112	1		*Allocasuarina torulosa*	Forest Oak	10.5	5.0	0.22	0.33	2.64	2.08	Mature	Fair	Average	Asymmetric Canopy Decay-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
113	1		*Allocasuarina torulosa*	Forest Oak	10.5	5.0	0.21	0.34	2.52	2.10	Mature	Good	Average	Asymmetric Canopy Co-dominant Stems Decay-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west.
114	1		*Angophora floribunda*	Rough-barked Apple	12.5	5.0	0.19	0.24	2.28	1.82	Mature	Poor	Poor	Asymmetric Canopy Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west, very sparse..
115	1		*Eucalyptus pilularis*	Blackbutt	35.5	16.0	0.79	0.95	9.48	3.24	Mature	Good	Average	Branch Tearouts Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Asymmetric to west.
116	1		*Allocasuarina torulosa*	Forest Oak	12.5	5.0	0.20	0.26	2.40	1.88	Mature	Good	Average	Asymmetric Canopy Co-dominant Stems Decay-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west. Basal wounding to north.
117	1		*Syncarpia glomulifera*	Turpentine	16.5	5.0	0.34	0.39	4.08	2.23	Mature	Good	Average	Branch Tearouts Inclusions	Long (>40 years)	Endemic		4 Moderate	Basal wounding to south
118	1		*Syncarpia glomulifera*	Turpentine	19.0	5.0	0.45	0.45	5.40	2.37	Mature	Good	Average	Branch Tearouts Inclusions	Long (>40 years)	Endemic		5 High	
119	1		*Eucalyptus pilularis*	Blackbutt	35.0	18.0	0.91	1.12	10.92	3.47	Mature	Good	Good	Branch Tearouts Inclusions	Long (>40 years)	Endemic		5 High	
120	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.33	0.39	3.96	2.23	Mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate	
121	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	16.0	0.72	0.79	8.64	3.00	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
122	1		*Angophora floribunda*	Rough-barked Apple	15.0	6.0	0.32	0.35	3.84	2.13	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Directly in front of bike tunnel exit.
123	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	16.0	0.77	0.85	9.24	3.09	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Isolated tree in bike track area surrounded by Privet. Major rams horn feature on trunk to south-east at 3.5-5.0m
124	1		*Eucalyptus pilularis*	Blackbutt	21.0	12.0	0.47	0.62	5.64	2.71	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Isolated tree in bike track area surrounded by Privet. Good tree. Probably just outside area of scope.
125	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	17.0	1.09	1.21	13.08	3.59	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Isolated tree in bike track area surrounded by Privet.Smaller secondary trunk coming from base to north-west.
126	1		*Angophora floribunda*	Rough-barked Apple	18.0	6.0	0.32	0.39	3.84	2.23	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
127	1		*Angophora floribunda*	Rough-barked Apple	18.0	8.0	0.46	0.59	5.52	2.65	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
128	1		*Angophora floribunda*	Rough-barked Apple	18.0	8.0	0.38	0.45	4.56	2.37	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
129	1		*Eucalyptus saligna*	Sydney Blue Gum	17.0	12.0	0.35	0.42	4.20	2.30	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Isolated tree in bike track area surrounded by Privet.
130	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	14.0	0.69	0.76	8.28	2.95	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Isolated tree in bike track area surrounded by Privet.
131	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	7.0	0.24	0.28	2.88	1.94	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Kink in trunk.
132	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	10.0	0.55	0.61	6.60	2.69	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
133	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	7.0	0.33	0.42	3.96	2.30	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
134	1		*Eucalyptus saligna*	Sydney Blue Gum	17.0	5.0	0.24	0.34	2.88	2.10	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
135	1		*Angophora floribunda*	Rough-barked Apple	18.0	7.0	0.28	0.35	3.36	2.13	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
136	1		*Eucalyptus saligna*	Sydney Blue Gum	15.0	5.0	0.19	0.21	2.28	1.72	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
137	1		*Angophora floribunda*	Rough-barked Apple	17.0	8.0	0.30	0.40	3.60	2.25	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
138	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.28	0.39	3.36	2.23	Mature	Normal	Poor	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Very asymmetric to west.
139	1		*Angophora floribunda*	Rough-barked Apple	18.0	10.0	0.27	0.30	3.24	2.00	Mature	Normal	Poor		Long (>40 years)	Endemic		3 Low	
140	1		*Angophora floribunda*	Rough-barked Apple	18.0	10.0	0.47	0.52	5.64	2.51	Mature	Normal	Average	Tip Dieback Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		5 High	Right on edge of large batter. Minor lean towards batter.
141	1		*Angophora floribunda*	Rough-barked Apple	15.0	10.0	0.23	0.30	2.76	2.00	Mature	Normal	Poor	Deadwood-Major Lean-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Right on top edge of batter with slight lean towards east.
142	1		*Eucalyptus pilularis*	Blackbutt	19.0	10.0	1.00	1.00	12.00	3.31	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Endemic	Stag Creation Potential Small Hollows or Spouts	3 Low	Mid very steep batter. Dead tree.
143	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	10.0	0.63	0.75	7.56	2.93	Mature	Normal	Average	Asymmetric Canopy Tip Dieback Deadwood-Major	Long (>40 years)	Endemic		5 High	Mid slope of large batter of large batter.
144	1		*Angophora floribunda*	Rough-barked Apple	14.5	8.0	0.24	0.30	2.88	2.00	Mature	Normal	Poor	Tip Dieback Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very overgrown by adjoining Camphor Laurels. Very asymmetric to north.
145	1		*Angophora floribunda*	Rough-barked Apple	20.0	8.0	0.48	0.60	5.76	2.67	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Growing on very steep batter to south of road. Good tree.
146	1		*Angophora floribunda*	Rough-barked Apple	13.0	5.0	0.19	0.25	2.28	1.85	Mature	Poor	Poor	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Growing on very steep batter to south of road.
147	1		*Angophora floribunda*	Rough-barked Apple	20.0	8.0	0.50	0.59	6.00	2.65	Mature	Good	Good	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		5 High	Growing on very steep batter to south of road. Good tree. Minor lean to east.
148	2		*Eucalyptus saligna*	Sydney Blue Gum	21.0	9.0	0.60	0.70	7.20	2.85	Mature	Good	Good	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		5 High	Growing on very steep batter to south of road. Good tree. Smaller tree growing within 1m to the south-west. Smaller tree with slight lean away to south-west. Smaller tree DBH is 0.32.
149	1		*Angophora floribunda*	Rough-barked Apple	13.0	5.0	0.16	0.18	2.00	1.61	Mature	Poor	Poor	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Growing on very steep batter to south of road. Lower part of slope. Very asymmetric to west. Kink in trunk at 6.0m
150	1		*Angophora floribunda*	Rough-barked Apple	14.0	8.0	0.43	0.53	5.16	2.53	Mature	Poor	Poor	Co-dominant Stems Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Growing on very steep batter to south of road. Top broken out and major dead wood.
151	1		*Angophora floribunda*	Rough-barked Apple	14.0	8.0	0.21	0.30	2.52	2.00	Mature	Poor	Poor	Lean-Minor Epicormic Growth Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Growing on very steep batter to south of road.
152	2		*Angophora floribunda*	Rough-barked Apple	13.0	8.0	0.28	0.34	3.36	2.10	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	Group of 2. Growing on very steep batter to south of road.
153	1		*Angophora floribunda*	Rough-barked Apple	8.0	8.0	0.16	0.20	2.00	1.68	Mature	Fair	Poor	Deadwood-Minor Lean-Major Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Partial root plate failure to north.
154	1		*Eucalyptus saligna*	Sydney Blue Gum	16.5	5.0	0.28	0.35	3.36	2.13	Mature	Fair	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Major lean to north the corrected.
155	1		*Eucalyptus microcorys*	Tallowood	22.0	16.0	0.65	0.80	7.80	3.01	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree, non endemic near bike tracks.
156	1		*Syncarpia glomulifera*	Turpentine	12.0	5.0	0.23	0.23	2.76	1.79	Semi-mature	Good	Good	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	
157	1		*Angophora floribunda*	Rough-barked Apple	14.0	4.0	0.18	0.22	2.16	1.75	Dead	Dead	Average	Co-dominant Stems Inclusions	Remove (<5 years)	Endemic		1 Dead	
158	1		*Eucalyptus botryoides*	Bangalay	15.0	8.0	0.30	0.34	3.60	2.10	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric to east.
159	1		*Syncarpia glomulifera*	Turpentine	14.5	6.0	0.31	0.38	3.72	2.20	Semi-mature	Good	Good	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	
160	1		*Pittosporum undulatum*	Sweet Pittosporum	12.0	6.0	0.22	0.25	2.64	1.85	Mature	Good	Good		Medium (15-40 years)	Endemic		4 Moderate	Right on edge of bike track.
161	1		*Eucalyptus botryoides*	Bangalay	12.0	6.0	0.35	0.44	4.20	2.34	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
162	3		*Angophora floribunda*	Rough-barked Apple	17.0	6.0	0.36	0.45	4.32	2.37	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Very close spaced group of 3.
163	1		*Eucalyptus saligna*	Sydney Blue Gum	17.0	7.0	0.31	0.34	3.72	2.10	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
164	1		*Allocasuarina littoralis*	Black She-Oak	9.5	6.0	0.45	0.50	5.40	2.47	Over-mature	Fair	Average	Deadwood-Major Tip Dieback	Short (5-15 years)	Endemic		3 Low	
165	1		*Allocasuarina littoralis*	Black She-Oak	9.5	6.0	0.17	0.22	2.04	1.75	Over-mature	Fair	Poor	Tip Dieback Deadwood-Minor	Short (5-15 years)	Endemic		2 Very Poor	
166	1		*Allocasuarina littoralis*	Black She-Oak	9.5	6.0	0.26	0.31	3.12	2.02	Over-mature	Poor	Average	Tip Dieback Deadwood-Minor Lean-Minor	Short (5-15 years)	Endemic		3 Low	
167	1		*Allocasuarina littoralis*	Black She-Oak	8.0	5.0	0.16	0.22	2.00	1.75	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
168	1		*Pittosporum undulatum*	Sweet Pittosporum	11.0	7.0	0.26	0.26	3.12	1.88	Mature	Good	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to north.
169	1		*Pittosporum undulatum*	Sweet Pittosporum	9.0	5.0	0.23	0.33	2.76	2.08	Mature	Good	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Right on edge of bike track.
170	1		*Acacia falcata*	Hickory Wattle	10.5	5.0	0.23	0.32	2.76	2.05	Mature	Good	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Two other smaller specimens to the south-west and north-west. Small basal wound to east. Good reaction wood. Failed butt sweep at base.
171	1		*Angophora floribunda*	Rough-barked Apple	11.5	5.0	0.20	0.27	2.40	1.91	Semi-mature	Good	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	
172	1		*Pittosporum undulatum*	Sweet Pittosporum	9.0	8.0	0.24	0.32	2.88	2.05	Mature	Good	Average	Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate	
173	1		*Angophora floribunda*	Rough-barked Apple	13.0	8.0	0.40	0.50	4.80	2.47	Mature	Fair	Poor	Decay-Major Branch Tearouts	Medium (15-40 years)	Endemic		3 Low	Major central leader broken out.
174	1		*Allocasuarina littoralis*	Black She-Oak	13.0	6.0	0.25	0.30	3.00	2.00	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Medium (15-40 years)	Endemic		4 Moderate	
175	1		*Allocasuarina littoralis*	Black She-Oak	12.0	6.0	0.21	0.25	2.52	1.85	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Medium (15-40 years)	Endemic		4 Moderate	
176	1		*Pittosporum undulatum*	Sweet Pittosporum	9.0	8.0	0.22	0.26	2.64	1.88	Mature	Good	Average		Medium (15-40 years)	Endemic		4 Moderate	
177	1		*Allocasuarina littoralis*	Black She-Oak	12.0	6.0	0.19	0.24	2.28	1.82	Over-mature	Poor	Average	Deadwood-Minor Lean-Minor	Short (5-15 years)	Endemic		2 Very Poor	
178	1		*Pittosporum undulatum*	Sweet Pittosporum	9.0	8.0	0.24	0.33	2.88	2.08	Mature	Good	Average		Medium (15-40 years)	Endemic		4 Moderate	
179	1		*Angophora floribunda*	Rough-barked Apple	17.5	14.0	0.55	0.55	6.60	2.57	Mature	Good	Average	Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic		5 High	
180	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	16.0	0.73	0.86	8.76	3.11	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
181	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	6.0	0.24	0.27	2.88	1.91	Mature	Fair	Average	Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Good row of trees just downslope of bike track.
182	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	13.0	0.64	0.68	7.68	2.81	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
183	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.48	0.56	5.76	2.59	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
184	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.34	0.40	4.08	2.25	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
185	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	12.0	0.54	0.63	6.48	2.73	Mature	Good	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
186	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	12.0	0.50	0.55	6.00	2.57	Mature	Good	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
187	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	18.0	0.89	1.02	10.68	3.34	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track. Very good tree.
188	1		*Syncarpia glomulifera*	Turpentine	17.5	8.0	0.57	0.58	6.84	2.63	Mature	Good	Good	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		5 High	Good row of trees just downslope of bike track.
189	1		*Angophora floribunda*	Rough-barked Apple	12.5	6.0	0.25	0.36	3.00	2.15	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north. Just downslope of bike track. Basal wound to west.
190	1		*Angophora floribunda*	Rough-barked Apple	14.0	8.0	0.34	0.43	4.08	2.32	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy Termites	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to north.
191	1		*Eucalyptus saligna*	Sydney Blue Gum	26.5	16.0	0.46	0.58	5.52	2.63	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
192	1		*Allocasuarina littoralis*	Black She-Oak	12.5	6.0	0.26	0.29	3.12	1.97	Over-mature	Poor	Poor	Deadwood-Minor Lean-Minor Decay-Minor Tip Dieback	Short (5-15 years)	Endemic		3 Low	Top leaders broken out on southern side.
193	1		*Eucalyptus pilularis*	Blackbutt	25.0	16.0	0.52	0.58	6.24	2.63	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
194	1		*Angophora floribunda*	Rough-barked Apple	16.5	8.0	0.25	0.28	3.00	1.94	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy Tip Dieback	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to north-west
195	1		*Allocasuarina littoralis*	Black She-Oak	9.0	5.0	0.18	0.25	2.16	1.85	Dead	Dead	Average	Deadwood-Minor Asymmetric Canopy	Remove (<5 years)	Endemic		1 Dead	
196	1		*Angophora costata*	Smooth-barked Apple	18.0	8.0	0.43	0.50	5.16	2.47	Mature	Fair	Poor	Deadwood-Major Termites Pest/Disease	Medium (15-40 years)	Endemic		3 Low	Major central leader dead.
197	1		*Angophora costata*	Smooth-barked Apple	18.0	8.0	0.39	0.39	4.68	2.23	Mature	Fair	Average	Termites Pest/Disease Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
198	1		*Eucalyptus resinifera*	Red Mahogany	18.0	8.0	0.26	0.38	3.12	2.20	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.
199	1		*Eucalyptus pilularis*	Blackbutt	25.0	18.0	0.94	1.15	11.28	3.51	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		5 High	
200	1		*Eucalyptus resinifera*	Red Mahogany	22.0	12.0	0.65	0.72	7.80	2.88	Mature	Good	Good	Deadwood-Minor Tip Dieback Termites	Long (>40 years)	Endemic		5 High	On very steep batter next to drainage head wall. Surface mudding from termites.
201	1		*Casuarina cunninghamiana*	River She-Oak	18.0	12.0	0.36	0.47	4.32	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
202	1		*Casuarina glauca*	Swamp She-Oak	21.0	6.0	0.32	0.38	3.84	2.20	Mature	Fair	Average	Tip Dieback	Medium (15-40 years)	Native		3 Low	
203	7		*Casuarina glauca*	Swamp She-Oak	19.0	6.0	0.28	0.34	3.36	2.10	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Copse of 7 closely grouped trees - Largest measured. Spread is total for all seven.
204	1		*Casuarina cunninghamiana*	River She-Oak	21.0	8.0	0.48	0.62	5.76	2.71	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
205	1		*Casuarina cunninghamiana*	River She-Oak	14.0	7.0	0.29	0.36	3.48	2.15	Mature	Good	Average	Co-dominant Stems Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	
206	1		*Eucalyptus pilularis*	Blackbutt	14.0	9.0	0.42	0.51	5.04	2.49	Mature	Normal	Poor	Lean-Major Asymmetric Canopy Root Impacts	Long (>40 years)	Endemic		2 Very Poor	Growing out of rock crevice. No roots to. Western side of tree. Major lean back towards road to east. Tree lifting away from rock.
207	1		*Eucalyptus pilularis*	Blackbutt	28.0	16.0	0.75	0.85	9.00	3.09	Mature	Good	Good	Branch Tearouts	Long (>40 years)	Endemic		5 High	Good tree.
208	1		*Angophora floribunda*	Rough-barked Apple	9.0	6.0	0.27	0.30	3.24	2.00	Mature	Fair	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to north.
209	1		*Angophora floribunda*	Rough-barked Apple	13.0	8.0	0.26	0.33	3.12	2.08	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
210	1		*Angophora costata*	Smooth-barked Apple	14.0	6.0	0.30	0.35	3.60	2.13	Semi-mature	Poor	Average	Deadwood-Major Tip Dieback	Long (>40 years)	Endemic	Stag Creation Potential	3 Low	Major dieback to central leader..
211	1		*Angophora costata*	Smooth-barked Apple	12.0	6.0	0.19	0.22	2.28	1.75	Semi-mature	Fair	Poor	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		3 Low	Asymmetric to north.
212	1		*Eucalyptus pilularis*	Blackbutt	26.0	9.0	0.40	0.48	4.80	2.43	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Growing out of rock crevice. No roots to. Western side of tree.
213	1		*Eucalyptus pilularis*	Blackbutt	15.0	5.0	0.17	0.22	2.04	1.75	Semi-mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	No tag
214	1		*Eucalyptus pilularis*	Blackbutt	18.0	6.0	0.24	0.35	2.88	2.13	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	No tag
215	1		*Eucalyptus pilularis*	Blackbutt	22.0	9.0	0.43	0.49	5.16	2.45	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Good tree.
216	1		*Eucalyptus resinifera*	Red Mahogany	11.5	5.0	0.18	0.29	2.16	1.97	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
217	1		*Eucalyptus resinifera*	Red Mahogany	18.0	9.0	0.58	0.62	6.96	2.71	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
218	1		*Pittosporum undulatum*	Sweet Pittosporum	10.0	7.0	0.27	0.32	3.24	2.05	Mature	Normal	Average		Medium (15-40 years)	Endemic		4 Moderate	
219	1		*Allocasuarina littoralis*	Black She-Oak	6.0	7.0	0.20	0.28	2.40	1.94	Senescent	Moribund	Poor	Lean-Major Asymmetric Canopy	Remove (<5 years)	Endemic		2 Very Poor	Very asymmetric to west. Major lean.
220	1		*Angophora floribunda*	Rough-barked Apple	15.5	9.0	0.33	0.35	3.96	2.13	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
221	1		*Angophora costata*	Smooth-barked Apple	14.0	10.0	0.21	0.29	2.52	1.97	Mature	Fair	Poor	Lean-Minor Asymmetric Canopy Cavity Tip Dieback Termites Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Very asymmetric to west. Leaning over track.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
222	1		*Angophora costata*	Smooth-barked Apple	16.0	8.0	0.45	0.82	5.40	3.04	Mature	Good	Average	Co-dominant Stems Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Multitrunked from base. Growth from previously failed tree at base.
223	1		*Casuarina cunninghamiana*	River She-Oak	13.5	14.0	0.58	0.74	6.96	2.92	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
224	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	13.0	0.50	0.66	6.00	2.78	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
225	1		*Allocasuarina littoralis*	Black She-Oak	9.0	6.0	0.17	0.19	2.04	1.65	Mature	Fair	Average	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	
226	1		*Allocasuarina littoralis*	Black She-Oak	10.0	8.0	0.41	0.62	4.92	2.71	Mature	Good	Poor	Co-dominant Stems Cracks/Splits Inclusions	Medium (15-40 years)	Endemic		2 Very Poor	Propagating inclusion split in main trunk to north.
227	1		*Allocasuarina littoralis*	Black She-Oak	8.0	5.0	0.20	0.24	2.40	1.82	Over-mature	Fair	Average	Tip Dieback Deadwood-Minor	Short (5-15 years)	Endemic		3 Low	
228	1		*Allocasuarina littoralis*	Black She-Oak	8.0	7.0	0.33	0.40	3.96	2.25	Senescent	Moribund	Average	Deadwood-Major Tip Dieback	Remove (<5 years)	Endemic		2 Very Poor	
229	4		*Eucalyptus resinifera*	Red Mahogany	23.0	10.0	0.56	1.10	6.72	3.44	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Group of 4 closely spaced trees - DGL for group
230	2		*Eucalyptus pilularis / Eucalyptus resinifera*	Blackbutt / Red Mahogany	19.0	12.0	0.61	1.10	7.32	3.44	Mature	Normal	Good	Co-dominant Stems Inclusions Termites	Long (>40 years)	Endemic		5 High	Several trunks emanating from base out of a rock embankment adjacent to pump track. Suspected to be two separate trees. Termite mudding evident.
231	1		*Angophora costata*	Smooth-barked Apple	18.0	7.0	0.34	0.35	4.08	2.13	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	
232	1		*Angophora costata*	Smooth-barked Apple	17.0	9.0	0.46	0.70	5.52	2.85	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	3 trunks from base adjacent to pump track.
233	1		*Eucalyptus resinifera*	Red Mahogany	16.5	10.0	0.45	0.90	5.40	3.17	Mature	Good	Average	Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Multitrunked from base. Adjacent to pump track.
234	1		*Exocarpus cupressiformis*	Ballart	8.5	5.0	0.21	0.27	2.52	1.91	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		5 High	
235	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.27	0.33	3.24	2.08	Mature	Good	Average	Tip Dieback Inclusions	Long (>40 years)	Endemic		5 High	Good tree growing close to pump track edge out of rock crevice.
236	1		*Allocasuarina torulosa*	Forest Oak	8.0	4.0	0.38	0.70	4.56	2.85	Mature	Good	Average	Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate	Multitrunked.
237	1		*Angophora costata*	Smooth-barked Apple	16.0	8.0	0.45	0.53	5.40	2.53	Mature	Normal	Average	Asymmetric Canopy Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west
238	1		*Casuarina cunninghamiana*	River She-Oak	9.5	8.0	0.32	0.44	3.84	2.34	Mature	Good	Poor	Branch Tearouts Epicormic Growth Asymmetric Canopy	Long (>40 years)	Native		3 Low	Central leader broken out at 4.0m. Asymmetric to south.
239	1		*Eucalyptus robusta*	Swamp Mahogany	10.0	9.0	0.37	0.52	4.44	2.51	Mature	Good	Average	Branch Tearouts Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric to south. Wounding to lower branch.
240	1		*Casuarina cunninghamiana*	River She-Oak	10.5	8.0	0.37	0.51	4.44	2.49	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree.
241	1		*Casuarina glauca*	Swamp She-Oak	14.5	6.0	0.35	0.41	4.20	2.28	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Native		4 Moderate	
242	1		*Casuarina cunninghamiana*	River She-Oak	12.0	8.0	0.45	0.45	5.40	2.37	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
243	1		*Casuarina glauca*	Swamp She-Oak	15.0	8.0	0.48	0.53	5.76	2.53	Mature	Fair	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
244	1		*Casuarina cunninghamiana*	River She-Oak	15.0	10.0	0.42	0.52	5.04	2.51	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
245	1		*Casuarina cunninghamiana*	River She-Oak	20.0	12.0	0.46	0.61	5.52	2.69	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
246	1		*Casuarina cunninghamiana*	River She-Oak	19.0	10.0	0.37	0.46	4.44	2.39	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
247	1		*Casuarina cunninghamiana*	River She-Oak	19.0	10.0	0.46	0.57	5.52	2.61	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
248	1		*Casuarina glauca*	Swamp She-Oak	11.0	7.0	0.23	0.34	2.76	2.10	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
249	1		*Casuarina glauca*	Swamp She-Oak	12.0	7.0	0.39	0.51	4.68	2.49	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
250	1		*Casuarina glauca*	Swamp She-Oak	10.5	7.0	0.26	0.41	3.12	2.28	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
251	1		*Casuarina glauca*	Swamp She-Oak	11.0	6.0	0.26	0.37	3.12	2.18	Mature	Good	Average		Long (>40 years)	Native		4 Moderate	
252	1		*Casuarina glauca*	Swamp She-Oak	11.0	7.0	0.30	0.52	3.60	2.51	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
253	1		*Casuarina cunninghamiana*	River She-Oak	23.0	10.0	0.45	0.63	5.40	2.73	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree.
254	1		*Grevillea robusta*	Silky Oak	8.5	4.0	0.16	0.20	2.00	1.68	Semi-mature	Good	Good		Long (>40 years)	Invasive		3 Low	Invasive native tree should remove.
255	1		*Casuarina cunninghamiana*	River She-Oak	20.0	10.0	0.55	0.62	6.60	2.71	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree.
256	1		*Casuarina cunninghamiana*	River She-Oak	19.0	10.0	0.31	0.46	3.72	2.39	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree.
257	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	10.0	0.42	0.48	5.04	2.43	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Good tree.
258	1		*Casuarina cunninghamiana*	River She-Oak	19.0	5.0	0.22	0.26	2.64	1.88	Mature	Fair	Average		Long (>40 years)	Native		3 Low	
259	1		*Eucalyptus saligna*	Sydney Blue Gum	13.5	6.0	0.18	0.30	2.16	2.00	Semi-mature	Normal	Poor	Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Good tree.
260	1		*Casuarina glauca*	Swamp She-Oak	23.0	8.0	0.30	0.42	3.60	2.30	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	Good tree. On very steep cutting next to road.
261	1		*Casuarina glauca*	Swamp She-Oak	19.5	8.0	0.38	0.55	4.56	2.57	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Native		4 Moderate	Immediately next to road.
262	1		*Casuarina glauca*	Swamp She-Oak	18.5	8.0	0.45	0.65	5.40	2.76	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Native		4 Moderate	Immediately next to road.
263	1		*Casuarina cunninghamiana*	River She-Oak	18.5	8.0	0.37	0.49	4.44	2.45	Mature	Good	Good		Long (>40 years)	Native		4 Moderate	
264	1		*Casuarina cunninghamiana*	River She-Oak	11.5	4.0	0.18	0.22	2.16	1.75	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
265	1		*Casuarina cunninghamiana*	River She-Oak	12.5	6.0	0.20	0.27	2.40	1.91	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
266	1		*Casuarina cunninghamiana*	River She-Oak	11.0	5.0	0.18	0.24	2.16	1.82	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
267	1		*Casuarina cunninghamiana*	River She-Oak	9.0	5.0	0.17	0.20	2.04	1.68	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
268	1		*Casuarina cunninghamiana*	River She-Oak	11.0	6.0	0.22	0.30	2.64	2.00	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
269	1		*Casuarina cunninghamiana*	River She-Oak	12.0	5.0	0.16	0.23	2.00	1.79	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
270	1		*Casuarina cunninghamiana*	River She-Oak	12.0	6.0	0.20	0.29	2.40	1.97	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric to south.
271	1		*Casuarina glauca*	Swamp She-Oak	12.0	7.0	0.31	0.40	3.72	2.25	Mature	Normal	Average	Lean-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric to south.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
272	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	9.0	0.50	0.59	6.00	2.65	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.
273	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	9.0	0.51	0.62	6.12	2.71	Mature	Normal	Good	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
274	1		*Eucalyptus saligna*	Sydney Blue Gum	14.0	6.0	0.18	0.25	2.16	1.85	Mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate	
275	1		*Eucalyptus saligna*	Sydney Blue Gum	9.5	6.0	0.23	0.30	2.76	2.00	Semi-mature	Fair	Average		Long (>40 years)	Endemic		3 Low	
276	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	9.0	0.55	0.65	6.60	2.76	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Growing adjacent drainage channel.
277	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	8.0	0.42	0.48	5.04	2.43	Mature	Good	Good	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Growing adjacent drainage channel. Asymmetric to east.
278	1	Remote	*Casuarina cunninghamiana*	River She-Oak	16.0	6.0	0.40	0.49	4.80	2.45	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	On quarry void face near fuel tanks.
279	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.40	0.45	4.80	2.37	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks.
280	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	21.0	12.0	0.78	0.80	9.36	3.01	Mature	Fair	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks. Tridominant trunks.
281	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	22.5	12.0	0.42	0.50	5.04	2.47	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks.
282	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.55	0.80	6.60	3.01	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks.
283	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.50	0.65	6.00	2.76	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks.
284	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	14.0	12.0	0.17	0.20	2.04	1.68	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	On quarry void face near fuel tanks.
285	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	10.0	0.65	0.72	7.80	2.88	Mature	Normal	Average	Lean-Minor Deadwood-Minor Branch Tearouts Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks. Lean to east then corrected. Asymmetric to east.
286	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	15.0	0.60	0.65	7.20	2.76	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Near fuel tanks. Lean to east then corrected. Asymmetric to east.
287	1		*Angophora floribunda*	Rough-barked Apple	14.5	15.0	0.48	0.55	5.76	2.57	Mature	Good	Average	Deadwood-Minor Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks. Asymmetric to south. Growing under bigger Blue Gum.
288	1		*Angophora floribunda*	Rough-barked Apple	13.5	15.0	0.22	0.28	2.64	1.94	Mature	Good	Average	Deadwood-Minor Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks. Asymmetric to north. Growing under bigger Blue Gum.
289	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	12.0	0.54	0.62	6.48	2.71	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Near fuel tanks.
290	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	12.0	0.86	1.01	10.32	3.32	Mature	Good	Good	Branch Tearouts Lean-Major Deadwood-Major	Long (>40 years)	Endemic	Large Hollow Small Hollows or Spouts	4 Moderate	Near fuel tanks. Major lean to south then corrected.
291	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	16.0	0.68	1.15	8.16	3.51	Mature	Good	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	Near fuel tanks. Multitrunked from base.
292	1		*Angophora floribunda*	Rough-barked Apple	12.0	10.0	0.25	0.35	3.00	2.13	Mature	Poor	Poor	Deadwood-Minor Asymmetric Canopy Tip Dieback Lean-Major	Short (5-15 years)	Endemic		2 Very Poor	Near fuel tanks. Very asymmetric to south. Appears to have partially failed at base.
293	1		*Angophora floribunda*	Rough-barked Apple	14.0	10.0	0.50	0.52	6.00	2.51	Mature	Good	Good	Deadwood-Minor Asymmetric Canopy Tip Dieback Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks.
294	1		*Angophora floribunda*	Rough-barked Apple	10.5	6.0	0.19	0.24	2.28	1.82	Mature	Good	Poor	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks. Very asymmetric to south. Burls on trunk.
295	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.37	0.41	4.44	2.28	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks.
296	1		*Angophora floribunda*	Rough-barked Apple	13.0	6.0	0.34	0.39	4.08	2.23	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks.
297	1		*Eucalyptus pilularis*	Blackbutt	25.0	12.0	0.48	0.62	5.76	2.71	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Near fuel tanks.
298	1		*Angophora floribunda*	Rough-barked Apple	16.0	10.0	0.40	0.47	4.80	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Near fuel tanks.
299	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	12.0	0.55	0.69	6.60	2.83	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Near fuel tanks.
300	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	16.0	0.65	0.84	7.80	3.08	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Top lookout.
301	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	18.0	0.99	1.15	11.88	3.51	Mature	Good	Good	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		5 High	Top lookout. Tri dominant trunks
302	1		*Eucalyptus saligna*	Sydney Blue Gum	11.0	5.0	0.18	0.23	2.16	1.79	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Top lookout.
303	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	10.0	0.62	0.78	7.44	2.98	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Top lookout.
304	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	10.0	0.48	0.60	5.76	2.67	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Top lookout.
305	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	20.0	0.90	1.10	10.80	3.44	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Top lookout. Very large tree just inside fence line to east of lookout.
306	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	20.0	1.00	1.15	12.00	3.51	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
307	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	18.0	0.70	0.88	8.40	3.14	Mature	Good	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
308	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	18.0	0.60	0.77	7.20	2.97	Mature	Good	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
309	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	18.0	0.63	0.80	7.56	3.01	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
310	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	10.0	0.23	0.29	2.76	1.97	Mature	Good	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
311	1		*Eucalyptus saligna*	Sydney Blue Gum	12.0	6.0	0.75	0.75	9.00	2.93	Mature	Normal	Poor	Deadwood-Major Epicormic Growth Asymmetric Canopy	Short (5-15 years)	Endemic		2 Very Poor	Edge tree of forest along northern fill batter. Tree cut off at 2.5m
312	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	8.0	0.33	0.39	3.96	2.23	Mature	Good	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
313	1		*Eucalyptus pilularis*	Blackbutt	24.0	10.0	0.38	0.44	4.56	2.34	Mature	Good	Average	Deadwood-Major Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
314	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	16.0	0.63	0.70	7.56	2.85	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
315	1		*Eucalyptus saligna*	Sydney Blue Gum	11.0	5.0	0.15	0.21	2.00	1.72	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Edge tree of forest along northern fill batter.
316	1		*Eucalyptus pilularis*	Blackbutt	15.0	5.0	0.23	0.29	2.76	1.97	Semi-mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
317	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	10.0	0.54	0.57	6.48	2.61	Semi-mature	Normal	Good	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
318	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	12.0	0.56	0.61	6.72	2.69	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Edge tree of forest along northern fill batter.
319	1		*Eucalyptus saligna*	Sydney Blue Gum	32.5	16.0	0.84	0.95	10.08	3.24	Mature	Normal	Average		Long (>40 years)	Endemic		5 High	Edge tree of forest along northern fill batter.
320	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	10.0	0.41	0.50	4.92	2.47	Mature	Normal	Average	Lean-Minor Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
321	1		*Angophora floribunda*	Rough-barked Apple	9.0	5.0	0.17	0.26	2.04	1.88	Mature	Normal	Poor	Deadwood-Minor Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
322	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.31	0.36	3.72	2.15	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
323	1		*Angophora floribunda*	Rough-barked Apple	19.0	10.0	0.42	0.51	5.04	2.49	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	
324	1		*Angophora floribunda*	Rough-barked Apple	13.0	5.0	0.18	0.25	2.16	1.85	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
325	1		*Angophora floribunda*	Rough-barked Apple	12.0	5.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
326	1		*Angophora floribunda*	Rough-barked Apple	12.0	5.0	0.17	0.23	2.04	1.79	Mature	Normal	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
327	1		*Angophora floribunda*	Rough-barked Apple	13.5	7.0	0.18	0.27	2.16	1.91	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
328	1		*Angophora floribunda*	Rough-barked Apple	11.5	5.0	0.19	0.27	2.28	1.91	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
329	1		*Angophora floribunda*	Rough-barked Apple	11.5	6.0	0.21	0.29	2.52	1.97	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
330	1		*Eucalyptus pilularis*	Blackbutt	26.0	9.0	0.31	0.49	3.72	2.45	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
331	1		*Angophora floribunda*	Rough-barked Apple	10.0	5.0	0.23	0.31	2.76	2.02	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
332	1		*Angophora floribunda*	Rough-barked Apple	16.0	9.0	0.53	0.59	6.36	2.65	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
333	1		*Angophora floribunda*	Rough-barked Apple	14.0	8.0	0.41	0.44	4.92	2.34	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
334	1		*Eucalyptus pilularis*	Blackbutt	24.0	10.0	0.36	0.45	4.32	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
335	1		*Pittosporum undulatum*	Sweet Pittosporum	7.0	7.0	0.21	0.26	2.52	1.88	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	
336	1		*Angophora costata*	Smooth-barked Apple	9.0	5.0	0.27	0.32	3.24	2.05	Mature	Fair	Poor	Asymmetric Canopy Lean-Major	Long (>40 years)	Endemic		3 Low	Very poor form.
337	1		*Eucalyptus saligna*	Sydney Blue Gum	15.0	6.0	0.32	0.44	3.84	2.34	Mature	Fair	Poor	Asymmetric Canopy Lean-Major	Long (>40 years)	Endemic		3 Low	Very poor form.
338	1		*Angophora floribunda*	Rough-barked Apple	10.0	6.0	0.24	0.28	2.88	1.94	Mature	Fair	Poor	Asymmetric Canopy Lean-Major	Long (>40 years)	Endemic		3 Low	Very poor form.
339	1		*Angophora floribunda*	Rough-barked Apple	10.0	6.0	0.19	0.24	2.28	1.82	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
340	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.24	0.37	2.88	2.18	Mature	Normal	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
341	1		*Angophora floribunda*	Rough-barked Apple	11.5	6.0	0.18	0.26	2.16	1.88	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
342	1		*Angophora floribunda*	Rough-barked Apple	13.0	6.0	0.22	0.27	2.64	1.91	Mature	Normal	Average	Asymmetric Canopy Inclusions	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
343	1		*Angophora floribunda*	Rough-barked Apple	10.5	8.0	0.17	0.23	2.04	1.79	Mature	Normal	Poor	Asymmetric Canopy Lean-Major	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
344	1		*Angophora floribunda*	Rough-barked Apple	10.5	6.0	0.16	0.22	2.00	1.75	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
345	1		*Angophora floribunda*	Rough-barked Apple	13.0	7.0	0.23	0.28	2.76	1.94	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south-east
346	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	10.0	0.70	0.89	8.40	3.15	Mature	Normal	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Minor basal wound to north. Wire attached to trunk.
347	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	10.0	0.85	1.38	10.20	3.79	Mature	Normal	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Tri-trucked from near base.
348	1		*Angophora costata*	Smooth-barked Apple	15.0	8.0	0.24	0.28	2.88	1.94	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate	Sparse canopy
349	1		*Pinus caribaea ?*	Carribbean Pine	21.0	7.0	0.32	0.37	3.84	2.18	Mature	Fair	Poor		Medium (15-40 years)	Exotic		3 Low	
350	1		*Eucalyptus pilularis*	Blackbutt	26.0	9.0	0.29	0.35	3.48	2.13	Mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Good early mature tree.
351	1		*Angophora floribunda*	Rough-barked Apple	8.0	4.0	0.15	0.21	2.00	1.72	Mature	Normal	Poor	Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
352	1		*Angophora floribunda*	Rough-barked Apple	10.5	6.0	0.21	0.26	2.52	1.88	Mature	Normal	Average	Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
353	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.33	0.44	3.96	2.34	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
354	1		*Angophora floribunda*	Rough-barked Apple	9.0	8.0	0.19	0.27	2.28	1.91	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
355	1		*Angophora floribunda*	Rough-barked Apple	17.0	9.0	0.26	0.34	3.12	2.10	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
356	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	12.0	1.00	1.18	12.00	3.55	Mature	Normal	Good	Branch Tearouts Deadwood-Minor Cavity	Long (>40 years)	Endemic	Large Hollow Basal Hollow	5 High	Major basal wound to north.Good reaction wood around. Wire attached to trunk.
357	1		*Pinus caribaea ?*	Caribbean Pine?	25.0	7.0	0.47	0.54	5.64	2.55	Mature	Fair	Poor		Medium (15-40 years)	Exotic		3 Low	
358	1		*Angophora floribunda*	Rough-barked Apple	12.0	6.0	0.18	0.26	2.16	1.88	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
359	1		*Angophora floribunda*	Rough-barked Apple	8.0	6.0	0.15	0.20	2.00	1.68	Mature	Fair	Poor	Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south. Leaning against adjoining tree to south.
360	1		*Eucalyptus pilularis*	Blackbutt	24.0	8.0	0.28	0.37	3.36	2.18	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
361	1		*Angophora floribunda*	Rough-barked Apple	18.0	9.0	0.31	0.39	3.72	2.23	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
362	1		*Eucalyptus pilularis*	Blackbutt	24.0	8.0	0.38	0.49	4.56	2.45	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
363	1		*Angophora floribunda*	Rough-barked Apple	14.0	11.0	0.42	0.49	5.04	2.45	Mature	Normal	Poor	Deadwood-Minor Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to south.
364	1		*Angophora floribunda*	Rough-barked Apple	12.0	5.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
365	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.21	0.29	2.52	1.97	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
366	1		*Angophora floribunda*	Rough-barked Apple	17.0	8.0	0.43	0.55	5.16	2.57	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
367	1		*Eucalyptus pilularis*	Blackbutt	18.0	5.0	0.15	0.22	2.00	1.75	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
368	1		*Eucalyptus pilularis*	Blackbutt	21.0	8.0	0.30	0.37	3.60	2.18	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
369	1		*Angophora floribunda*	Rough-barked Apple	16.0	8.0	0.37	0.45	4.44	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Tip Dieback Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
370	1		*Angophora floribunda*	Rough-barked Apple	10.5	8.0	0.23	0.27	2.76	1.91	Mature	Normal	Poor	Deadwood-Minor Asymmetric Canopy Tip Dieback Lean-Minor	Long (>40 years)	Endemic		3 Low	
371	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	12.0	0.99	1.16	11.88	3.52	Mature	Normal	Good	Branch Tearouts Deadwood-Minor Cavity	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Major wound to south at 3.0m. Wire attached to trunk. Right on edge of batter step. Big foot of trunk base on large rock beneath.
372	1		*Eucalyptus pilularis*	Blackbutt	17.0	6.0	0.19	0.24	2.28	1.82	Mature	Normal	Poor	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	
373	1		*Eucalyptus pilularis*	Blackbutt	21.0	7.0	0.23	0.34	2.76	2.10	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
374	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	8.0	0.45	0.53	5.40	2.53	Mature	Normal	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
375	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.28	0.36	3.36	2.15	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		4 Moderate	
376	1		*Angophora floribunda*	Rough-barked Apple	13.0	7.0	0.20	0.28	2.40	1.94	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
377	1		*Eucalyptus pilularis*	Blackbutt	19.0	7.0	0.17	0.24	2.04	1.82	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
378	1		*Eucalyptus pilularis*	Blackbutt	25.0	12.0	0.39	0.51	4.68	2.49	Mature	Normal	Good	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	
379	1		*Pittosporum undulatum*	Sweet Pittosporum	14.5	6.0	0.21	0.24	2.52	1.82	Mature	Normal	Average		Medium (15-40 years)	Endemic		4 Moderate	
380	1		*Pittosporum undulatum*	Sweet Pittosporum	14.5	6.0	0.20	0.24	2.40	1.82	Mature	Fair	Average	Deadwood-Major Decay-Minor Cavity	Short (5-15 years)	Endemic		3 Low	
381	1		*Eucalyptus pilularis*	Blackbutt	23.0	12.0	0.95	0.98	11.40	3.28	Dead	Dead	Average	Deadwood-Major	Medium (15-40 years)	Endemic	Stag Creation Potential Small Hollows or Spouts	1 Dead	
382	1		*Angophora floribunda*	Rough-barked Apple	11.0	10.0	0.36	0.48	4.32	2.43	Mature	Fair	Poor	Deadwood-Major Asymmetric Canopy Branch Tearouts Decay-Minor Hangers	Medium (15-40 years)	Endemic	Stag Creation Potential Small Hollows or Spouts	3 Low	Very asymmetric to south. Brocken. Out central leader.
383	1		*Angophora floribunda*	Rough-barked Apple	14.0	7.0	0.27	0.32	3.24	2.05	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Sparse canopy.
384	1		*Angophora floribunda*	Rough-barked Apple	14.0	7.0	0.28	0.31	3.36	2.02	Mature	Poor	Poor	Deadwood-Major Decay-Major Asymmetric Canopy	Short (5-15 years)	Endemic		2 Very Poor	Sparse canopy. Very asymmetric to south. A main leader broken out.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
385	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	16.0	1.00	1.35	12.00	3.75	Mature	Normal	Average	Deadwood-Major Branch Tearouts Hangers	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
386	1		*Eucalyptus pilularis*	Blackbutt	20.0	3.0	0.49	0.55	5.88	2.57	Dead	Dead	Average	Deadwood-Major	Medium (15-40 years)	Endemic	Stag Creation Potential	1 Dead	
387	1		*Angophora floribunda*	Rough-barked Apple	16.0	5.0	0.24	0.34	2.88	2.10	Mature	Poor	Poor	Asymmetric Canopy Deadwood-Minor	Short (5-15 years)	Endemic		2 Very Poor	Sparse canopy. Very asymmetric to south.
388	1		*Angophora floribunda*	Rough-barked Apple	17.0	5.0	0.22	0.26	2.64	1.88	Mature	Poor	Average	Asymmetric Canopy Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Sparse canopy. Very asymmetric to south.
389	1		*Angophora floribunda*	Rough-barked Apple	17.0	5.0	0.17	0.24	2.04	1.82	Mature	Poor	Average	Asymmetric Canopy Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Sparse canopy. Very asymmetric to east.
390	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	16.0	0.57	0.70	6.84	2.85	Mature	Normal	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
391	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.30	0.44	3.60	2.34	Mature	Fair	Average	Asymmetric Canopy Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Sparse canopy. Very asymmetric to east.
392	1		*Angophora floribunda*	Rough-barked Apple	8.5	6.0	0.25	0.27	3.00	1.91	Dead	Dead	Poor	Asymmetric Canopy Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Dead, no stag potential.
393	1		*Angophora floribunda*	Rough-barked Apple	14.5	6.0	0.46	0.65	5.52	2.76	Mature	Fair	Average	Asymmetric Canopy Tip Dieback Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	3 Low	Very asymmetric to south
394	1		*Pittosporum undulatum*	Sweet Pittosporum	12.0	6.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Deadwood-Major Asymmetric Canopy Tip Dieback	Short (5-15 years)	Endemic		3 Low	
395	1		*Eucalyptus pilularis*	Blackbutt	22.0	7.0	0.50	0.65	6.00	2.76	Dead	Dead	Average	Deadwood-Major	Medium (15-40 years)	Endemic	Stag Creation Potential	1 Dead	
396	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	16.0	0.83	1.07	9.96	3.40	Mature	Normal	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
397	1		*Angophora floribunda*	Rough-barked Apple	16.5	7.0	0.31	0.37	3.72	2.18	Mature	Fair	Average	Asymmetric Canopy Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Sparse canopy. Asymmetric to. South
398	1		*Angophora floribunda*	Rough-barked Apple	9.5	3.0	0.15	0.21	2.00	1.72	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Sparse canopy.
399	1		*Angophora floribunda*	Rough-barked Apple	16.0	7.0	0.30	0.37	3.60	2.18	Mature	Fair	Average	Tip Dieback Deadwood-Major	Long (>40 years)	Endemic		3 Low	Sparse canopy.
400	1		*Angophora floribunda*	Rough-barked Apple	12.0	6.0	0.17	0.24	2.04	1.82	Mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Sparse canopy. Asymmetric to south.
401	1		*Livistona australis*	Cabbage Palm	10.0	6.0	0.23	0.30	2.76	2.00	Mature	Good	Good		Long (>40 years)	Endemic		5 High	
402	1		*Eucalyptus pilularis*	Blackbutt	32.0	18.0	0.97	1.15	11.64	3.51	Mature	Normal	Average	Branch Tearouts Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Scar to western side of trunk between 1.0-4.0m
403	1		*Angophora floribunda*	Rough-barked Apple	14.0	4.0	0.19	0.24	2.28	1.82	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
404	1		*Eucalyptus pilularis*	Blackbutt	20.0	8.0	0.32	0.48	3.84	2.43	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
405	1		*Eucalyptus pilularis*	Blackbutt	20.0	6.0	0.28	0.41	3.36	2.28	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
406	1		*Angophora floribunda*	Rough-barked Apple	15.0	4.0	0.18	0.28	2.16	1.94	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.
407	1		*Eucalyptus pilularis*	Blackbutt	36.0	20.0	1.41	1.59	15.00	4.02	Mature	Good	Good	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Basal Hollow	5 High	Major basal hollow to northern side of trunk to 3.0m
408	1		*Eucalyptus saligna*	Sydney Blue Gum	34.0	16.0	0.81	1.04	9.72	3.36	Mature	Normal	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Basal Hollow	5 High	Small basal hollow to north.
409	1		*Eucalyptus saligna*	Sydney Blue Gum	18.5	8.0	0.42	0.55	5.04	2.57	Mature	Fair	Poor	Branch Tearouts Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts Basal Hollow	4 Moderate	Asymmetric to south. Basal borer blaze to east.
410	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	4.0	0.21	0.30	2.52	2.00	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
411	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	4.0	0.21	0.29	2.52	1.97	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
412	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	5.0	0.31	0.40	3.72	2.25	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
413	1		*Eucalyptus saligna*	Sydney Blue Gum	17.5	4.0	0.19	0.28	2.28	1.94	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.
414	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	6.0	0.17	0.24	2.04	1.82	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south.
415	1		*Casuarina cunninghamiana*	River She-Oak	21.0	7.0	0.33	0.48	3.96	2.43	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Native		3 Low	Sparse canopy.
416	1		*Casuarina cunninghamiana*	River She-Oak	21.0	7.0	0.36	0.48	4.32	2.43	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Native		3 Low	Sparse canopy.
417	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	9.0	0.41	0.50	4.92	2.47	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
418	1		*Eucalyptus saligna*	Sydney Blue Gum	34.0	16.0	0.78	0.84	9.36	3.08	Mature	Normal	Average	Branch Tearouts Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
419	1		*Eucalyptus saligna*	Sydney Blue Gum	14.0	10.0	0.42	0.50	5.04	2.47	Mature	Normal	Average	Branch Tearouts Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	Very asymmetric to south.
420	1		*Casuarina cunninghamiana*	River She-Oak	24.0	5.0	0.24	0.32	2.88	2.05	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	Sparse canopy.
421	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	9.0	0.20	0.28	2.40	1.94	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.
422	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	15.0	0.52	0.69	6.24	2.83	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
423	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	12.0	0.38	0.50	4.56	2.47	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.
424	1		*Acacia falcata*	Hickory Wattle	20.0	6.0	0.31	0.35	3.72	2.13	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Medium (15-40 years)	Endemic		4 Moderate	
425	1		*Grevillea robusta*	Silky Oak	19.0	8.0	0.26	0.34	3.12	2.10	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Invasive		3 Low	
426	1		*Grevillea robusta*	Silky Oak	19.0	6.0	0.25	0.33	3.00	2.08	Mature	Fair	Good	Deadwood-Minor	Long (>40 years)	Invasive		3 Low	
427	1		*Grevillea robusta*	Silky Oak	19.0	6.0	0.23	0.30	2.76	2.00	Mature	Fair	Poor	Deadwood-Minor Co-dominant Stems Inclusions	Short (5-15 years)	Invasive		2 Very Poor	
428	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	5.0	0.30	0.39	3.60	2.23	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
429	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	5.0	0.26	0.32	3.12	2.05	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
430	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	5.0	0.22	0.29	2.64	1.97	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate	
431	1		*Eucalyptus saligna*	Sydney Blue Gum	34.0	16.0	0.87	1.02	10.44	3.34	Mature	Normal	Good	Deadwood-Major Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Basal wounding to north, but good signs of reaction wood.
432	1		*Angophora floribunda*	Rough-barked Apple	12.0	8.0	0.19	0.25	2.28	1.85	Mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Sparse canopy. Very asymmetric to south.
433	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	5.0	0.26	0.33	3.12	2.08	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
434	1		*Angophora floribunda*	Rough-barked Apple	26.0	16.0	0.71	0.86	8.52	3.11	Mature	Good	Good	Deadwood-Major Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Good tree.
435	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	4.0	0.15	0.18	2.00	1.61	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate	
436	1		*Eucalyptus saligna*	Sydney Blue Gum	19.5	9.0	0.33	0.37	3.96	2.18	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
437	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	8.0	0.36	0.45	4.32	2.37	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
438	1		*Angophora floribunda*	Rough-barked Apple	17.0	8.0	0.32	0.41	3.84	2.28	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
439	1		*Eucalyptus pilularis*	Blackbutt	38.0	16.0	0.82	0.96	9.84	3.25	Mature	Excellent	Good	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Good tree.
440	2		*Eucalyptus saligna*	Sydney Blue Gum	24.0	9.0	0.65	1.12	7.80	3.47	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Two trees growing side by side. Asymmetric canopy either side east and west.
441	1		*Eucalyptus botryoides*	Bangalay	18.0	6.0	0.35	0.39	4.20	2.23	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
442	2		*Eucalyptus botryoides*	Bangalay	14.0	2.0	0.33	0.49	3.96	2.45	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Native		1 Dead	No stag creation potential
443	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	7.0	0.26	0.36	3.12	2.15	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
444	1		*Grevillea robusta*	Silky Oak	16.0	12.0	0.40	0.46	4.80	2.39	Mature	Normal	Poor	Deadwood-Minor Congested Branches	Long (>40 years)	Invasive		3 Low	
445	1		*Grevillea robusta*	Silky Oak	19.0	14.0	0.51	0.59	6.12	2.65	Mature	Normal	Average	Deadwood-Minor Congested Branches	Long (>40 years)	Invasive		3 Low	
446	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	11.0	0.52	0.59	6.24	2.65	Mature	Normal	Good	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the east.
447	1		*Casuarina cunninghamiana*	River She-Oak	10.5	7.0	0.21	0.25	2.52	1.85	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		3 Low	Asymmetric to the north.
448	1		*Casuarina cunninghamiana*	River She-Oak	13.0	7.0	0.37	0.55	4.44	2.57	Mature	Normal	Poor	Asymmetric Canopy Co-dominant Stems	Long (>40 years)	Native		3 Low	Asymmetric to the north.
449	1		*Casuarina cunninghamiana*	River She-Oak	15.0	7.0	0.37	0.65	4.44	2.76	Mature	Normal	Average	Asymmetric Canopy Co-dominant Stems Deadwood-Minor	Long (>40 years)	Native		3 Low	Asymmetric to the north. Three trunks.
450	1		*Casuarina cunninghamiana*	River She-Oak	16.5	8.0	0.37	0.46	4.44	2.39	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Native		3 Low	Asymmetric to the north. Three trees in a closely spaced row.
451	1		*Casuarina cunninghamiana*	River She-Oak	16.5	8.0	0.33	0.39	3.96	2.23	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		3 Low	Asymmetric to the north. Three trees in a closely spaced row.
452	1		*Casuarina cunninghamiana*	River She-Oak	17.0	8.0	0.54	0.63	6.48	2.73	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		3 Low	Three trees in a closely spaced row. Bases sitting in a hollow.
453	1		*Casuarina cunninghamiana*	River She-Oak	17.0	14.0	0.85	0.85	10.20	3.09	Mature	Normal	Average	Branch Tearouts Deadwood-Major Decay-Minor	Long (>40 years)	Native		3 Low	Big tree on edge of quarry void.
454	1		*Casuarina cunninghamiana*	River She-Oak	14.0	11.0	0.42	0.54	5.04	2.55	Mature	Fair	Average	Tip Dieback Deadwood-Minor	Long (>40 years)	Native		3 Low	
455	2		*Casuarina cunninghamiana*	River She-Oak	20.5	11.0	0.50	0.70	6.00	2.85	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Native		3 Low	Second smaller and suppressed specimens to north-east by 1.5m.
456	1		*Casuarina cunninghamiana*	River She-Oak	19.0	11.0	0.87	0.87	10.44	3.12	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
457	1		*Pinus radiata ?*	Monterey Pine	17.0	11.0	0.45	0.56	5.40	2.59	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Exotic		3 Low	Two needles, larger cones
458	1		*Casuarina cunninghamiana*	River She-Oak	17.0	11.0	0.56	0.66	6.72	2.78	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
459	1		*Casuarina cunninghamiana*	River She-Oak	20.5	11.0	0.63	0.73	7.56	2.90	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Native		3 Low	
460	2		*Casuarina cunninghamiana*	River She-Oak	19.5	9.0	0.37	0.50	4.44	2.47	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	Smaller tree to south less than 1000mm from trunk.
461	1		*Casuarina cunninghamiana*	River She-Oak	20.5	13.0	0.49	0.63	5.88	2.73	Mature	Normal	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		3 Low	
462	1		*Casuarina cunninghamiana*	River She-Oak	20.5	5.0	0.32	0.40	3.84	2.25	Mature	Normal	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		3 Low	
463	2		*Casuarina cunninghamiana*	River She-Oak	21.0	10.0	0.34	0.43	4.08	2.32	Mature	Normal	Good	Deadwood-Minor Branch Tearouts Asymmetric Canopy	Long (>40 years)	Native		3 Low	Group of two very closely spaced. Inter growing canopies. 1m to south of one surveyed.
464	1		*Eucalyptus pilularis*	Blackbutt	13.0	5.0	0.30	0.34	3.60	2.10	Semi-mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
465	1		*Eucalyptus pilularis*	Blackbutt	13.0	5.0	0.29	0.33	3.48	2.08	Semi-mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
466	1		*Eucalyptus pilularis*	Blackbutt	16.5	7.0	0.43	0.51	5.16	2.49	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
467	1		*Eucalyptus pilularis*	Blackbutt	19.5	8.0	0.38	0.47	4.56	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
468	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	6.0	0.35	0.39	4.20	2.23	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
469	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	3.0	0.18	0.25	2.16	1.85	Semi-mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate	
470	1		*Eucalyptus saligna*	Sydney Blue Gum	15.0	4.0	0.27	0.34	3.24	2.10	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to north-east. Prominent kink in trunk at 2.5m
471	1		*Eucalyptus saligna*	Sydney Blue Gum	13.0	8.0	0.26	0.31	3.12	2.02	Mature	Fair	Poor	Lean-Major Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Very asymmetric canopy to north.
472	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	10.0	0.51	0.61	6.12	2.69	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
473	1		*Eucalyptus saligna*	Sydney Blue Gum	24.5	7.0	0.40	0.50	4.80	2.47	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-east.
474	1		*Eucalyptus saligna*	Sydney Blue Gum	23.5	5.0	0.29	0.34	3.48	2.10	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
475	2		*Eucalyptus saligna*	Sydney Blue Gum	15.0	4.0	0.18	0.22	2.16	1.75	Semi-mature	Normal	Average	Co-dominant Stems Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Smaller trunk adjacent to east. Asymmetric to north.
476	1		*Eucalyptus saligna*	Sydney Blue Gum	17.0	7.0	0.25	0.29	3.00	1.97	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
477	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	5.0	0.27	0.35	3.24	2.13	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
478	1		*Eucalyptus saligna*	Sydney Blue Gum	13.5	3.0	0.15	0.21	2.00	1.72	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
479	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	7.0	0.40	0.45	4.80	2.37	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
480	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	9.0	0.32	0.38	3.84	2.20	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
481	1		*Eucalyptus saligna*	Sydney Blue Gum	12.5	4.0	0.18	0.23	2.16	1.79	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
482	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	7.0	0.35	0.40	4.20	2.25	Mature	Normal	Average	Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
483	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	3.0	0.23	0.26	2.76	1.88	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-east.
484	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	6.0	0.29	0.40	3.48	2.25	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
485	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	6.0	0.33	0.41	3.96	2.28	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
486	1		*Eucalyptus saligna*	Sydney Blue Gum	12.0	3.0	0.19	0.27	2.28	1.91	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
487	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	7.0	0.32	0.45	3.84	2.37	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
488	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	9.0	0.35	0.42	4.20	2.30	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
489	1		*Eucalyptus saligna*	Sydney Blue Gum	13.5	7.0	0.17	0.20	2.04	1.68	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
490	1		*Eucalyptus saligna*	Sydney Blue Gum	16.5	6.0	0.22	0.29	2.64	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
491	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	4.0	0.50	0.50	6.00	2.47	Dead	Dead	Average	Deadwood-Major	Medium (15-40 years)	Endemic	Small Hollows or Spouts Stag Creation Potential	1 Dead	
492	1		*Eucalyptus saligna*	Sydney Blue Gum	14.5	5.0	0.18	0.33	2.16	2.08	Mature	Normal	Poor	Pest/Disease Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to north. Previous codominant stem failure. Borer attack.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
493	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	11.0	0.50	0.65	6.00	2.76	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Good tree.
494	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	12.0	0.27	0.34	3.24	2.10	Mature	Normal	Poor	Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Bifurcated trunk at 3.0m with contorted trunks.
495	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	6.0	0.34	0.45	4.08	2.37	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
496	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	12.0	0.56	0.62	6.72	2.71	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Good tree growing within an artificial gully. Adjoining angophora leaning against trunk.
497	1		*Angophora floribunda*	Rough-barked Apple	18.0	12.0	0.46	0.51	5.52	2.49	Mature	Fair	Poor	Lean-Major Deadwood-Major Tip Dieback Asymmetric Canopy	Short (5-15 years)	Endemic		2 Very Poor	Leaning against trunk adjoining. Appears to have had partial rootplate failure. Very asymmetric to north.
498	1		*Angophora floribunda*	Rough-barked Apple	20.0	12.0	0.45	0.51	5.40	2.49	Mature	Fair	Average	Asymmetric Canopy Lean-Minor Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-east.
499	1		*Angophora floribunda*	Rough-barked Apple	18.0	9.0	0.33	0.36	3.96	2.15	Mature	Fair	Average	Asymmetric Canopy Lean-Minor Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
500	1		*Eucalyptus saligna*	Sydney Blue Gum	12.0	5.0	0.37	0.40	4.44	2.25	Dead	Dead	Average	Deadwood-Major Decay-Major	Medium (15-40 years)	Endemic		1 Dead	
501	1		*Angophora costata*	Smooth-barked Apple	19.0	8.0	0.33	0.35	3.96	2.13	Mature	Fair	Poor	Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Bulge on trunk and occluded injury from dead tree leaning at fork at 9.0m.
502	1		*Eucalyptus pilularis*	Blackbutt	26.0	12.0	0.50	0.57	6.00	2.61	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
503	1		*Eucalyptus pilularis*	Blackbutt	26.0	12.0	0.43	0.53	5.16	2.53	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Small Angophora leaning against trunk.
504	1		*Eucalyptus pilularis*	Blackbutt	28.0	14.0	0.68	0.81	8.16	3.03	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Growing in steep fill batter, otherwise good tree.
505	1		*Angophora floribunda*	Rough-barked Apple	11.0	8.0	0.15	0.20	2.00	1.68	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
506	1		*Eucalyptus pilularis*	Blackbutt	19.0	7.0	0.23	0.28	2.76	1.94	Mature	Normal	Average	Deadwood-Minor Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Growing in steep fill batter, slight lean and asymmetric canopy to north-east.
507	1		*Angophora floribunda*	Rough-barked Apple	13.0	9.0	0.23	0.29	2.76	1.97	Mature	Normal	Average	Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.
508	1		*Angophora floribunda*	Rough-barked Apple	15.0	7.0	0.29	0.35	3.48	2.13	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
509	1		*Angophora floribunda*	Rough-barked Apple	19.0	15.0	0.65	0.70	7.80	2.85	Mature	Good	Average	Deadwood-Minor Co-dominant Stems Termites	Long (>40 years)	Endemic		5 High	Good tree on steep batter.
510	1		*Eucalyptus pilularis*	Blackbutt	20.0	5.0	0.35	0.37	4.20	2.18	Dead	Dead	Average	Deadwood-Major Decay-Major	Medium (15-40 years)	Endemic	Stag Creation Potential	1 Dead	Minimal habitat value other than attaching nest boxes.
511	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	13.0	0.82	0.91	9.84	3.18	Mature	Good	Average	Deadwood-Minor Lean-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	Good tree. Slight lean to north-east.
512	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	9.0	0.90	0.90	10.80	3.17	Dead	Dead	Average	Deadwood-Major Decay-Major Termites	Medium (15-40 years)	Endemic	Stag Creation Potential Large Hollow	1 Dead	Major hollow.
513	1		*Eucalyptus pilularis*	Blackbutt	24.0	8.0	0.39	0.45	4.68	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
514	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	5.0	0.42	0.42	5.04	2.30	Dead	Dead	Average	Deadwood-Major	Medium (15-40 years)	Endemic	Stag Creation Potential	1 Dead	Minimal habitat value other than attaching nest boxes.
515	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	5.0	0.70	0.75	8.40	2.93	Dead	Dead	Average	Deadwood-Major Decay-Major	Medium (15-40 years)	Endemic	Stag Creation Potential	1 Dead	Minimal habitat value. Extensively decayed.
516	2		*Angophora floribunda*	Rough-barked Apple	13.5	8.0	0.26	0.30	3.12	2.00	Mature	Fair	Poor	Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Group of two with smaller tree to west against dead tree. Asymmetric east.
517	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	18.0	0.82	0.95	9.84	3.24	Mature	Good	Average	Branch Tearouts Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Good tree. Potential large hollow habitat value in future.
518	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	8.0	0.45	0.50	5.40	2.47	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic	Stag Creation Potential	1 Dead	Minimal habitat value other than attaching nest boxes.
519	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	14.0	0.99	0.99	11.88	3.30	Mature	Good	Average	Branch Tearouts Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	
520	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	14.0	0.68	0.77	8.16	2.97	Mature	Good	Good	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
521	1		*Syncarpia glomulifera*	Turpentine	14.5	4.0	0.27	0.33	3.24	2.08	Mature	Good	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	
522	1		*Eucalyptus botryoides*	Bangalay	16.0	12.0	0.57	0.62	6.84	2.71	Mature	Good	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		4 Moderate	
523	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	14.0	0.38	0.48	4.56	2.43	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
524	1		*Eucalyptus botryoides*	Bangalay	22.0	12.0	0.50	0.57	6.00	2.61	Mature	Normal	Average	Branch Tearouts Deadwood-Major	Long (>40 years)	Native		4 Moderate	
525	1		*Eucalyptus botryoides*	Bangalay	22.0	12.0	0.41	0.53	4.92	2.53	Mature	Normal	Average	Branch Tearouts Deadwood-Major	Long (>40 years)	Native		4 Moderate	
526	1		*Syncarpia glomulifera*	Turpentine	14.5	5.0	0.35	0.34	4.20	2.10	Mature	Poor	Average	Deadwood-Minor Co-dominant Stems Pest/Disease	Long (>40 years)	Endemic		4 Moderate	
527	1		*Lophostemon confertus*	Brush Box	16.0	4.0	0.25	0.48	3.00	2.43	Mature	Fair	Average	Co-dominant Stems Pest/Disease	Long (>40 years)	Native		3 Low	Codominant stem from base.
528	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	14.0	0.48	0.69	5.76	2.83	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
529	1		*Lophostemon confertus*	Brush Box	14.5	4.0	0.17	0.27	2.04	1.91	Mature	Fair	Poor	Co-dominant Stems Pest/Disease Tip Dieback	Long (>40 years)	Native		3 Low	Codominant stem from base. Asymmetric to west.
530	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	17.0	0.36	0.75	4.32	2.93	Mature	Normal	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	
531	1		*Syncarpia glomulifera*	Turpentine	15.5	5.0	0.31	0.37	3.72	2.18	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
532	1		*Angophora costata*	Smooth-barked Apple	20.0	12.0	0.35	0.41	4.20	2.28	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		3 Low	
533	1		*Eucalyptus botryoides*	Bangalay	16.0	7.0	0.41	0.46	4.92	2.39	Mature	Normal	Average	Branch Tearouts Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric to north.
534	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	14.0	0.48	0.54	5.76	2.55	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
535	1		*Lophostemon confertus*	Brush Box	14.0	5.0	0.21	0.27	2.52	1.91	Semi-mature	Fair	Average	Pest/Disease	Long (>40 years)	Native		3 Low	
536	1		*Eucalyptus botryoides*	Bangalay	19.0	9.0	0.41	0.47	4.92	2.41	Mature	Fair	Average	Branch Tearouts Asymmetric Canopy Deadwood-Minor Lean-Minor	Long (>40 years)	Native		3 Low	Asymmetric to north.
537	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	16.0	0.55	0.70	6.60	2.85	Mature	Normal	Average	Deadwood-Minor Branch Tearouts Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor butt lean then corrected.
538	1		*Lophostemon confertus*	Brush Box	12.0	9.0	0.16	0.40	2.00	2.25	Mature	Fair	Poor	Pest/Disease Co-dominant Stems	Long (>40 years)	Native		3 Low	Codominant trunks from ground level.
539	1		*Eucalyptus botryoides*	Bangalay	15.5	12.0	0.43	0.53	5.16	2.53	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
540	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	10.0	0.38	0.56	4.56	2.59	Mature	Normal	Poor	Deadwood-Minor Lean-Major	Long (>40 years)	Endemic		3 Low	Major lean to north east but then corrected.
541	1		*Eucalyptus botryoides*	Bangalay	19.0	10.0	0.49	0.67	5.88	2.80	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Native		3 Low	
542	1		*Syncarpia glomulifera*	Turpentine	18.0	7.0	0.29	0.35	3.48	2.13	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
543	1		*Eucalyptus botryoides*	Bangalay	18.0	9.0	0.39	0.50	4.68	2.47	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
544	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	16.0	0.55	0.68	6.60	2.81	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
545	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	16.0	0.57	0.67	6.84	2.80	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
546	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	12.0	0.32	0.44	3.84	2.34	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
547	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	16.0	0.69	0.77	8.28	2.97	Mature	Normal	Good	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		5 High	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
548	1		*Pittosporum undulatum*	Sweet Pittosporum	16.5	12.0	0.31	0.35	3.72	2.13	Mature	Good	Good	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	
549	1		*Eucalyptus pilularis*	Blackbutt	28.0	12.0	0.36	0.44	4.32	2.34	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east
550	1		*Eucalyptus pilularis*	Blackbutt	16.0	12.0	0.20	0.25	2.40	1.85	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Little habitat value.
551	1		*Eucalyptus pilularis*	Blackbutt	30.0	12.0	0.72	0.85	8.64	3.09	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
552	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	8.0	0.30	0.36	3.60	2.15	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-east.
553	1		*Eucalyptus pilularis*	Blackbutt	28.0	7.0	0.46	0.53	5.52	2.53	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	
554	1		*Angophora costata*	Smooth-barked Apple	24.0	8.0	0.52	0.68	6.24	2.81	Mature	Fair	Average	Deadwood-Minor Cavity Branch Tearouts	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Basal cavity to south. Large tear out at 9.0m to north.
555	1		*Eucalyptus pilularis*	Blackbutt	32.0	12.0	0.66	0.82	7.92	3.04	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good tree.
556	1		*Eucalyptus pilularis*	Blackbutt	32.0	16.0	1.02	1.15	12.24	3.51	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good tree.
557	1		*Eucalyptus pilularis*	Blackbutt	24.0	10.0	0.39	0.47	4.68	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
558	1		*Eucalyptus pilularis*	Blackbutt	33.0	16.0	0.69	0.75	8.28	2.93	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
559	1		*Eucalyptus pilularis*	Blackbutt	29.0	10.0	0.43	0.57	5.16	2.61	Mature	Fair	Average	Asymmetric Canopy Epicormic Growth Deadwood-Major Branch Tearouts	Long (>40 years)	Endemic		3 Low	Asymmetric to north-west.
560	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	12.0	0.55	0.65	6.60	2.76	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
561	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	8.0	0.18	0.24	2.16	1.82	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		3 Low	
562	1		*Eucalyptus saligna*	Sydney Blue Gum	36.0	12.0	0.54	0.67	6.48	2.80	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
563	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	10.0	0.54	0.67	6.48	2.80	Mature	Fair	Average	Deadwood-Major Asymmetric Canopy Cavity	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Asymmetric canopy to north east. Basal cavity.
564	1		*Eucalyptus saligna*	Sydney Blue Gum	34.0	20.0	0.78	0.90	9.36	3.17	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
565	1		*Angophora floribunda*	Rough-barked Apple	15.0	9.0	0.26	0.34	3.12	2.10	Mature	Fair	Poor	Asymmetric Canopy Branch Tearouts Decay-Minor	Long (>40 years)	Endemic		3 Low	Very asymmetric canopy to north east. Major tear out at 8.0m to south.
566	1		*Eucalyptus saligna*	Sydney Blue Gum	15.0	9.0	0.24	0.30	2.88	2.00	Mature	Fair	Poor	Asymmetric Canopy Lean-Major	Short (5-15 years)	Endemic		2 Very Poor	Very major lean and asymmetric canopy to north east. Suspected rootplate failure.
567	1		*Angophora floribunda*	Rough-barked Apple	18.5	8.0	0.41	0.50	4.92	2.47	Mature	Fair	Average	Asymmetric Canopy Branch Tearouts	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north east. Failed tree leaning through fork.
568	1		*Eucalyptus saligna*	Sydney Blue Gum	35.0	16.0	0.62	0.80	7.44	3.01	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
569	1		*Angophora floribunda*	Rough-barked Apple	18.5	8.0	0.40	0.51	4.80	2.49	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
570	1		*Angophora floribunda*	Rough-barked Apple	19.0	8.0	0.33	0.40	3.96	2.25	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
571	1		*Angophora floribunda*	Rough-barked Apple	19.0	8.0	0.34	0.40	4.08	2.25	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Very Asymmetric to north.
572	1		*Angophora floribunda*	Rough-barked Apple	17.0	8.0	0.40	0.49	4.80	2.45	Mature	Poor	Average	Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north. Very sparse canopy.
573	1		*Syncarpia glomulifera*	Turpentine	17.0	7.0	0.25	0.40	3.00	2.25	Mature	Normal	Average	Deadwood-Major Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
574	1		*Angophora floribunda*	Rough-barked Apple	17.0	4.0	0.28	0.50	3.36	2.47	Dead	Dead	Average	Decay-Major Deadwood-Major Co-dominant Stems	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
575	1		*Angophora floribunda*	Rough-barked Apple	19.0	8.0	0.44	0.55	5.28	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
576	1		*Angophora floribunda*	Rough-barked Apple	18.0	7.0	0.37	0.60	4.44	2.67	Mature	Normal	Poor	Asymmetric Canopy Lean-Minor Deadwood-Major Branch Tearouts Buldges	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north.
577	1		*Angophora floribunda*	Rough-barked Apple	17.0	4.0	0.30	0.40	3.60	2.25	Dead	Dead	Average	Decay-Major Deadwood-Major Lean-Minor	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
578	1		*Angophora floribunda*	Rough-barked Apple	20.0	12.0	0.62	0.75	7.44	2.93	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Growing adjacent and amongst rock.
579	1		*Angophora floribunda*	Rough-barked Apple	19.0	12.0	0.37	0.48	4.44	2.43	Mature	Fair	Poor	Deadwood-Minor Tip Dieback Termites	Long (>40 years)	Endemic		3 Low	
580	1		*Angophora floribunda*	Rough-barked Apple	19.0	8.0	0.40	0.48	4.80	2.43	Mature	Fair	Poor	Tip Dieback Deadwood-Major Co-dominant Stems	Long (>40 years)	Endemic		3 Low	Growing on edge of washout. Minimal. Foliage
581	1		*Angophora floribunda*	Rough-barked Apple	17.0	6.0	0.22	0.27	2.64	1.91	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Minimal. Foliage
582	1		*Angophora floribunda*	Rough-barked Apple	17.0	6.0	0.19	0.22	2.28	1.75	Semi-mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Minimal foliage.
583	1		*Angophora floribunda*	Rough-barked Apple	18.0	4.0	0.24	0.30	2.88	2.00	Dead	Dead	Average	Decay-Major Deadwood-Major Lean-Minor	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
584	1		*Syncarpia glomulifera*	Turpentine	25.0	14.0	0.75	1.00	9.00	3.31	Mature	Good	Good	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		5 High	Growing adjacent to deep washout.
585	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	15.0	0.55	0.67	6.60	2.80	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Growing adjacent to washout.
586	1		*Eucalyptus saligna*	Sydney Blue Gum	35.0	18.0	0.79	0.87	9.48	3.12	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
587	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	15.0	0.50	0.60	6.00	2.67	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
588	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	15.0	0.46	0.52	5.52	2.51	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
589	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	11.0	0.38	0.46	4.56	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
590	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	10.0	0.44	0.48	5.28	2.43	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
591	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	7.0	0.17	0.20	2.04	1.68	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
592	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	18.0	0.95	0.95	11.40	3.24	Mature	Normal	Average	Deadwood-Major Co-dominant Stems	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	
593	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	4.0	0.45	0.55	5.40	2.57	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
594	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	10.0	0.60	0.68	7.20	2.81	Mature	Fair	Average	Deadwood-Minor Epicormic Growth Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean but then corrected.
595	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	10.0	0.41	0.48	4.92	2.43	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
596	1		*Angophora floribunda*	Rough-barked Apple	22.0	7.0	0.36	0.36	4.32	2.15	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
597	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	7.0	0.26	0.30	3.12	2.00	Mature	Fair	Poor	Deadwood-Minor Epicormic Growth Lean-Minor	Long (>40 years)	Endemic		3 Low	Minor lean but then corrected. Top partially broken and kinked.
598	1		*Angophora floribunda*	Rough-barked Apple	26.0	6.0	0.35	0.45	4.20	2.37	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
599	1		*Pittosporum undulatum*	Sweet Pittosporum	13.0	8.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Endemic		4 Moderate	
600	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	2.0	0.90	0.90	10.80	3.17	Dead	Dead	Average	Deadwood-Major Co-dominant Stems	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
601	1		*Angophora floribunda*	Rough-barked Apple	12.0	2.0	0.22	0.35	2.64	2.13	Mature	Poor	Average	Epicormic Growth Decay-Minor Deadwood-Major	Short (5-15 years)	Endemic		2 Very Poor	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
602	1		*Angophora floribunda*	Rough-barked Apple	16.0	8.0	0.46	0.46	5.52	2.39	Mature	Fair	Poor	Deadwood-Minor Inclusions Co-dominant Stems	Long (>40 years)	Endemic		3 Low	
603	1		*Angophora floribunda*	Rough-barked Apple	17.0	8.0	0.43	0.50	5.16	2.47	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
604	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	14.0	0.70	0.87	8.40	3.12	Mature	Normal	Average	Deadwood-Minor Epicormic Growth Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
605	1		*Pittosporum undulatum*	Sweet Pittosporum	12.0	9.0	0.22	0.25	2.64	1.85	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Endemic		3 Low	
606	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	8.0	0.36	0.44	4.32	2.34	Mature	Fair	Poor	Deadwood-Minor	Long (>40 years)	Endemic		3 Low	
607	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	15.0	0.70	0.84	8.40	3.08	Mature	Normal	Average	Deadwood-Minor Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
608	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	9.0	0.26	0.30	3.12	2.00	Mature	Normal	Average	Deadwood-Minor Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north. Growing out of rock.
609	1		*Pittosporum undulatum*	Sweet Pittosporum	14.0	8.0	0.22	0.26	2.64	1.88	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	
610	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	10.0	0.80	0.97	9.60	3.27	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Cavity	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Asymmetric to north. Cavity at base on eastern side.
611	1		*Angophora floribunda*	Rough-barked Apple	16.5	8.0	0.30	0.36	3.60	2.15	Mature	Fair	Average	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		4 Moderate	
612	1		*Pittosporum undulatum*	Sweet Pittosporum	15.5	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Poor	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	
613	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	5.0	0.55	0.68	6.60	2.81	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic	Stag Creation Potential	1 Dead	
614	1		*Pittosporum undulatum*	Sweet Pittosporum	18.5	10.0	0.28	0.33	3.36	2.08	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Medium (15-40 years)	Endemic		4 Moderate	
615	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	10.0	0.36	0.42	4.32	2.30	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
616	1		*Eucalyptus saligna*	Sydney Blue Gum	34.5	13.0	0.50	0.62	6.00	2.71	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
617	1		*Eucalyptus saligna*	Sydney Blue Gum	34.0	10.0	0.48	0.55	5.76	2.57	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-west.
618	1		*Eucalyptus saligna*	Sydney Blue Gum	33.5	10.0	0.54	0.60	6.48	2.67	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
619	1		*Eucalyptus saligna*	Sydney Blue Gum	33.0	10.0	0.48	0.62	5.76	2.71	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
620	1		*Eucalyptus saligna*	Sydney Blue Gum	18.5	8.0	0.21	0.25	2.52	1.85	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
621	1		*Eucalyptus saligna*	Sydney Blue Gum	21.5	10.0	0.37	0.45	4.44	2.37	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
622	1		*Pittosporum undulatum*	Sweet Pittosporum	17.5	11.0	0.26	0.45	3.12	2.37	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Medium (15-40 years)	Endemic		4 Moderate	Three stems from base.
623	1		*Eucalyptus saligna*	Sydney Blue Gum	26.5	11.0	0.44	0.55	5.28	2.57	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
624	1		*Eucalyptus saligna*	Sydney Blue Gum	25.5	12.0	0.33	0.39	3.96	2.23	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
625	1		*Pittosporum undulatum*	Sweet Pittosporum	15.5	8.0	0.21	0.25	2.52	1.85	Mature	Normal	Poor	Deadwood-Minor Epicormic Growth	Medium (15-40 years)	Endemic		3 Low	
626	1		*Eucalyptus saligna*	Sydney Blue Gum	31.5	12.0	0.35	0.44	4.20	2.34	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
627	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	9.0	0.26	0.35	3.12	2.13	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
628	1		*Angophora floribunda*	Rough-barked Apple	15.5	6.0	0.17	0.23	2.04	1.79	Mature	Poor	Poor	Deadwood-Major Tip Dieback	Medium (15-40 years)	Endemic		3 Low	
629	1		*Eucalyptus microcorys*	Tallowood	30.5	14.0	0.62	0.65	7.44	2.76	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Native		4 Moderate	
630	1		*Eucalyptus microcorys*	Tallowood	29.5	9.0	0.45	0.50	5.40	2.47	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
631	1		*Eucalyptus microcorys*	Tallowood	28.5	7.0	0.49	0.55	5.88	2.57	Dead	Dead	Average	Co-dominant Stems Deadwood-Major	Remove (<5 years)	Native		1 Dead	Codominant at 5m.
632	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	9.0	0.39	0.45	4.68	2.37	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
633	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	7.0	0.15	0.19	2.00	1.65	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
634	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	9.0	0.32	0.40	3.84	2.25	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
635	1		*Eucalyptus saligna*	Sydney Blue Gum	31.5	10.0	0.49	0.55	5.88	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
636	1		*Eucalyptus saligna*	Sydney Blue Gum	18.5	6.0	0.20	0.25	2.40	1.85	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
637	1		*Eucalyptus saligna*	Sydney Blue Gum	31.5	13.0	0.44	0.49	5.28	2.45	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
638	1		*Eucalyptus microcorys*	Tallowood	29.5	5.0	0.44	0.53	5.28	2.53	Mature	Poor	Poor	Deadwood-Major Epicormic Growth	Long (>40 years)	Native		3 Low	
639	1		*Eucalyptus microcorys*	Tallowood	30.5	10.0	0.50	0.64	6.00	2.74	Mature	Normal	Average	Deadwood-Major Epicormic Growth Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
640	1		*Eucalyptus microcorys*	Tallowood	29.5	6.0	0.51	0.65	6.12	2.76	Mature	Normal	Average	Deadwood-Major Epicormic Growth Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
641	1		*Eucalyptus microcorys*	Tallowood	30.5	18.0	0.61	0.76	7.32	2.95	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
642	1		*Eucalyptus microcorys*	Tallowood	15.0	11.0	0.37	0.45	4.44	2.37	Mature	Fair	Poor	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Native		3 Low	Asymmetric canopy to north-west.
643	1		*Eucalyptus microcorys*	Tallowood	12.0	8.0	0.20	0.28	2.40	1.94	Mature	Poor	Poor	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Native		3 Low	Asymmetric canopy to north-east.
644	1		*Eucalyptus microcorys*	Tallowood	30.5	15.0	0.54	0.65	6.48	2.76	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north east.
645	1		*Eucalyptus saligna*	Sydney Blue Gum	26.5	9.5	0.52	0.61	6.24	2.69	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north
646	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	8.0	0.38	0.43	4.56	2.32	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
647	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	7.0	0.44	0.53	5.28	2.53	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
648	1		*Eucalyptus microcorys*	Tallowood	30.0	11.0	0.43	0.57	5.16	2.61	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
649	1		*Eucalyptus microcorys*	Tallowood	30.5	7.0	0.46	0.55	5.52	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
650	1		*Eucalyptus microcorys*	Tallowood	28.5	15.0	0.70	0.70	8.40	2.85	Mature	Normal	Poor	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Native		3 Low	Codominant at 1.5m.
651	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	12.0	0.34	0.44	4.08	2.34	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
652	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	9.0	0.38	0.48	4.56	2.43	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
653	1		*Eucalyptus microcorys*	Tallowood	29.0	10.0	0.40	0.48	4.80	2.43	Mature	Normal	Poor	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		3 Low	Adjacent tree resting in canopy. Asymmetric canopy to east.
654	1		*Eucalyptus pilularis*	Blackbutt	28.5	7.0	0.39	0.49	4.68	2.45	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
655	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	5.0	0.26	0.32	3.12	2.05	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
656	1		*Eucalyptus saligna*	Sydney Blue Gum	26.5	4.0	0.22	0.29	2.64	1.97	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
657	1		*Angophora floribunda*	Rough-barked Apple	18.0	7.0	0.35	0.41	4.20	2.28	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
658	1		*Eucalyptus microcorys*	Tallowood	27.5	12.0	0.39	0.45	4.68	2.37	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Native		4 Moderate	
659	1		*Eucalyptus pilularis*	Blackbutt	29.5	10.0	0.41	0.50	4.92	2.47	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
660	1		*Eucalyptus pilularis*	Blackbutt	20.5	5.0	0.25	0.33	3.00	2.08	Mature	Normal	Poor	Asymmetric Canopy Deadwood-Minor Branch Tearouts Lean-Major	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north. Suspected partial root plate failure.
661	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	5.0	0.27	0.29	3.24	1.97	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
662	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	4.0	0.20	0.25	2.40	1.85	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
663	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	9.0	0.39	0.46	4.68	2.39	Mature	Normal	Average	Deadwood-Major Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
664	1		*Angophora floribunda*	Rough-barked Apple	16.0	6.0	0.28	0.37	3.36	2.18	Mature	Normal	Average	Lean-Minor Deadwood-Minor Asymmetric Canopy	Remove (<5 years)	Endemic		4 Moderate	Asymmetric canopy to north.
665	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	1.0	0.25	0.30	3.00	2.00	Dead	Dead	Poor	Decay-Major Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Minimal habitat potential.
666	1		*Eucalyptus microcorys*	Tallowood	26.0	16.0	0.55	0.62	6.60	2.71	Mature	Normal	Average	Deadwood-Major Epicormic Growth	Long (>40 years)	Native		4 Moderate	
667	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	7.0	0.36	0.47	4.32	2.41	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
668	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	7.0	0.41	0.53	4.92	2.53	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north east.
669	1		*Angophora floribunda*	Rough-barked Apple	18.0	7.0	0.27	0.32	3.24	2.05	Mature	Fair	Poor	Deadwood-Minor Tip Dieback	Remove (<5 years)	Endemic		3 Low	
670	1		*Eucalyptus pilularis*	Blackbutt	27.5	9.0	0.40	0.47	4.80	2.41	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
671	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	10.0	0.44	0.50	5.28	2.47	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
672	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	10.0	0.36	0.44	4.32	2.34	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
673	1		*Pittosporum undulatum*	Sweet Pittosporum	10.5	8.0	0.22	0.26	2.64	1.88	Mature	Fair	Poor	Epicormic Growth Deadwood-Minor	Short (5-15 years)	Endemic		3 Low	
674	1		*Eucalyptus pilularis*	Blackbutt	25.0	9.0	0.32	0.35	3.84	2.13	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Major Tip Dieback	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north.
675	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	16.0	0.39	0.46	4.68	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
676	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	13.0	0.53	0.62	6.36	2.71	Mature	Normal	Average	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
677	1		*Eucalyptus acmenioides?*	White Mahogany	13.5	8.0	0.38	0.40	4.56	2.25	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Major Tip Dieback Lean-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
678	1		*Eucalyptus microcorys*	Tallowood	29.5	18.0	0.60	0.73	7.20	2.90	Mature	Normal	Average	Epicormic Growth Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
679	1		*Eucalyptus microcorys*	Tallowood	28.0	14.0	0.57	0.77	6.84	2.97	Mature	Normal	Average	Epicormic Growth Deadwood-Major	Long (>40 years)	Native		4 Moderate	
680	1		*Eucalyptus microcorys*	Tallowood	27.5	16.0	0.78	0.97	9.36	3.27	Mature	Normal	Average	Epicormic Growth Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
681	1		*Angophora floribunda*	Rough-barked Apple	20.5	9.0	0.36	0.45	4.32	2.37	Mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
682	1		*Eucalyptus microcorys*	Tallowood	25.5	11.0	0.51	0.56	6.12	2.59	Mature	Normal	Average	Epicormic Growth Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
683	1		*Eucalyptus microcorys*	Tallowood	26.0	16.0	0.54	0.67	6.48	2.80	Mature	Normal	Average	Epicormic Growth Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
684	1		*Eucalyptus microcorys*	Tallowood	24.5	14.0	0.38	0.40	4.56	2.25	Mature	Normal	Average	Epicormic Growth Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north-east.
685	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	16.0	0.58	0.64	6.96	2.74	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
686	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	9.0	0.38	0.47	4.56	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
687	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	7.0	0.38	0.43	4.56	2.32	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
688	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	9.0	0.36	0.41	4.32	2.28	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy north-east.
689	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	8.0	0.35	0.44	4.20	2.34	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy north.
690	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	15.0	0.36	0.39	4.32	2.23	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
691	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	16.0	0.54	0.62	6.48	2.71	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
692	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	12.0	0.36	0.39	4.32	2.23	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
693	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	4.0	0.29	0.34	3.48	2.10	Mature	Poor	Poor	Inclusions Co-dominant Stems Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic		3 Low	Codominant stems at 3m. One side dead.
694	1		*Eucalyptus saligna*	Sydney Blue Gum	25.5	6.0	0.33	0.39	3.96	2.23	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
695	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	7.0	0.26	0.30	3.12	2.00	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
696	1		*Eucalyptus saligna*	Sydney Blue Gum	25.5	7.0	0.33	0.36	3.96	2.15	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
697	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	4.0	0.18	0.19	2.16	1.65	Mature	Poor	Poor	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
698	1		*Eucalyptus saligna*	Sydney Blue Gum	25.5	7.0	0.23	0.26	2.76	1.88	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
699	1		*Eucalyptus saligna*	Sydney Blue Gum	24.5	6.0	0.25	0.30	3.00	2.00	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
700	1		*Eucalyptus saligna*	Sydney Blue Gum	21.5	7.0	0.32	0.42	3.84	2.30	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
701	1		*Eucalyptus saligna*	Sydney Blue Gum	22.5	9.0	0.36	0.46	4.32	2.39	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
702	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	8.0	0.29	0.36	3.48	2.15	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
703	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	14.0	0.35	0.39	4.20	2.23	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
704	1		*Eucalyptus pilularis*	Blackbutt	26.5	16.0	0.44	0.55	5.28	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
705	1		*Eucalyptus saligna*	Sydney Blue Gum	24.5	16.0	0.51	0.56	6.12	2.59	Mature	Normal	Average	Lean-Minor Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Minor lean to south.
706	1		*Callistemon salignus cv.*	Willow Bottlebrush	12.0	7.0	0.19	0.22	2.28	1.75	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Native		3 Low	
707	1		*Callistemon salignus cv.*	Willow Bottlebrush	10.0	5.0	0.18	0.20	2.16	1.68	Mature	Poor	Poor	Tip Dieback Co-dominant Stems Inclusions Deadwood-Major Decay-Minor	Short (5-15 years)	Native		2 Very Poor	
708	1		*Syncarpia glomulifera*	Turpentine	18.0	9.0	0.28	0.48	3.36	2.43	Mature	Normal	Poor	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Codominant at base.
709	1		*Syncarpia glomulifera*	Turpentine	22.0	16.0	0.38	0.52	4.56	2.51	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Codominant and included at base.
710	1		*Syncarpia glomulifera*	Turpentine	21.5	10.0	0.38	0.49	4.56	2.45	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Codominant and included at base.
711	1		*Corymbia maculata*	Spotted Gum	26.5	18.0	0.44	0.51	5.28	2.49	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Native		4 Moderate	
712	1		*Lophostemon confertus*	Brush Box	16.0	7.0	0.17	0.21	2.04	1.72	Mature	Fair	Average	Pest/Disease Tip Dieback	Long (>40 years)	Native		3 Low	
713	1		*Eucalyptus microcorys*	Tallowood	26.5	14.0	0.35	0.42	4.20	2.30	Mature	Normal	Average	Epicormic Growth Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
714	1		*Casuarina cunninghamiana*	River She-Oak	26.5	12.0	0.46	0.55	5.52	2.57	Mature	Normal	Average	Inclusions Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Codominant and included at base.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
715	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	16.0	0.46	0.52	5.52	2.51	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
716	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	4.0	0.36	0.42	4.32	2.30	Dead	Dead	Poor	Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
717	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	4.0	0.26	0.29	3.12	1.97	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to east.
718	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	14.0	0.49	0.58	5.88	2.63	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
719	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	10.0	0.35	0.42	4.20	2.30	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
720	1		*Eucalyptus saligna*	Sydney Blue Gum	30.5	14.0	0.39	0.48	4.68	2.43	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
721	1		*Eucalyptus saligna*	Sydney Blue Gum	30.0	14.0	0.42	0.55	5.04	2.57	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate	
722	1		*Eucalyptus saligna*	Sydney Blue Gum	20.5	6.0	0.17	0.22	2.04	1.75	Mature	Normal	Average	Deadwood-Minor Branch Tearouts Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
723	1		*Eucalyptus saligna*	Sydney Blue Gum	22.5	3.0	0.21	0.24	2.52	1.82	Mature	Poor	Average	Branch Tearouts Epicormic Growth Deadwood-Minor	Long (>40 years)	Endemic		3 Low	
724	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	6.0	0.31	0.39	3.72	2.23	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north-east.
725	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	13.0	0.43	0.54	5.16	2.55	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
726	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	11.0	0.33	0.40	3.96	2.25	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
727	1		*Eucalyptus saligna*	Sydney Blue Gum	27.5	9.0	0.26	0.30	3.12	2.00	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
728	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	15.0	0.47	0.55	5.64	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
729	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	7.0	0.36	0.45	4.32	2.37	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
730	1		*Eucalyptus pilularis*	Blackbutt	31.5	18.0	0.56	0.72	6.72	2.88	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
731	1		*Eucalyptus saligna*	Sydney Blue Gum	12.0	5.0	0.26	0.26	3.12	1.88	Dead	Dead	Average	Deadwood-Major	Remove (<5 years)	Endemic		1 Dead	Minimal habitat value.
732	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	8.0	0.43	0.50	5.16	2.47	Mature	Normal	Poor	Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	
733	1		*Eucalyptus saligna*	Sydney Blue Gum	31.5	16.0	0.50	0.58	6.00	2.63	Mature	Normal	Average	Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic		5 High	
734	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	12.0	0.46	0.48	5.52	2.43	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
735	1		*Eucalyptus saligna*	Sydney Blue Gum	28.5	7.0	0.20	0.24	2.40	1.82	Mature	Normal	Average	Deadwood-Minor Epicormic Growth Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
736	1		*Eucalyptus pilularis*	Blackbutt	29.5	14.0	0.38	0.45	4.56	2.37	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
737	1		*Eucalyptus pilularis*	Blackbutt	28.5	16.0	0.34	0.40	4.08	2.25	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
738	1		*Eucalyptus saligna*	Sydney Blue Gum	31.5	16.0	0.51	0.60	6.12	2.67	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
739	1		*Eucalyptus saligna*	Sydney Blue Gum	18.0	8.0	0.28	0.37	3.36	2.18	Mature	Fair	Poor	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		3 Low	
740	1		*Eucalyptus saligna*	Sydney Blue Gum	29.5	7.0	0.26	0.31	3.12	2.02	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.
741	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	12.0	0.33	0.45	3.96	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north. Growing out of rock.
742	1		*Eucalyptus pilularis*	Blackbutt	28.5	16.0	0.66	0.80	7.92	3.01	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
743	1		*Eucalyptus pilularis*	Blackbutt	19.5	5.0	0.16	0.22	2.00	1.75	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean to north east.
744	1		*Eucalyptus pilularis*	Blackbutt	28.5	8.0	0.32	0.35	3.84	2.13	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
745	1		*Eucalyptus robusta*	Swamp Mahogany	18.0	12.0	0.39	0.45	4.68	2.37	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
746	1		*Corymbia citriodora*	Lemon Scented Gum	29.5	16.0	0.39	0.50	4.68	2.47	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
747	1		*Corymbia citriodora*	Lemon Scented Gum	22.0	18.0	0.44	0.54	5.28	2.55	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Native		4 Moderate	Codominant stems at 0.5m.
748	1		*Eucalyptus pilularis*	Blackbutt	27.5	7.0	0.36	0.53	4.32	2.53	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean to west.
749	1		*Corymbia citriodora*	Lemon Scented Gum	19.0	12.0	0.39	0.55	4.68	2.57	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric to south
750	1		*Eucalyptus robusta*	Swamp Mahogany	20.5	8.0	0.27	0.29	3.24	1.97	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
751	1		*Eucalyptus acmenioides?*	White Mahogany	28.0	8.0	0.48	0.52	5.76	2.51	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Fine flaky bark to smallest branches.
752	1		*Syncarpia glomulifera*	Turpentine	18.0	5.0	0.25	0.40	3.00	2.25	Dead	Dead	Average	Co-dominant Stems Deadwood-Major	Long (>40 years)	Endemic		1 Dead	Tridominant stems, minimal habitat value.
753	1		*Casuarina cunninghamiana*	River She-Oak	22.0	10.0	0.48	0.56	5.76	2.59	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
754	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	8.0	0.26	0.32	3.12	2.05	Dead	Dead	Average	Deadwood-Major	Long (>40 years)	Endemic		1 Dead	Minimal habitat value.
755	1		*Eucalyptus robusta*	Swamp Mahogany	20.5	10.0	0.33	0.42	3.96	2.30	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
756	1		*Eucalyptus botryoides*	Bangalay	22.0	12.0	0.49	0.56	5.88	2.59	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
757	1		*Eucalyptus acmenioides?*	White Mahogany	24.5	10.0	0.59	0.59	7.08	2.65	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Fine flaky bark to smallest branches.
758	1		*Eucalyptus saligna*	Sydney Blue Gum	12.0	8.0	0.17	0.22	2.04	1.75	Semi-mature	Poor	Poor	Deadwood-Minor Lean-Minor Asymmetric Canopy Epicormic Growth Tip Dieback	Medium (15-40 years)	Endemic		2 Very Poor	Asymmetric to south.
759	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	16.0	0.48	0.58	5.76	2.63	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
760	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	8.0	0.20	0.26	2.40	1.88	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		3 Low	
761	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	5.0	0.22	0.32	2.64	2.05	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
762	1		*Populus deltoides ?*	American Cottonwood	25.0	15.0	0.55	0.75	6.60	2.93	Mature	Normal	Average		Medium (15-40 years)	Invasive		2 Very Poor	Others also down stream of outlet pipe ladder
763	1		*Eucalyptus microcorys*	Tallowood	18.0	6.0	0.23	0.27	2.76	1.91	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		3 Low	Asymmetric to west.
764	1		*Eucalyptus microcorys*	Tallowood	22.0	10.0	0.39	0.50	4.68	2.47	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
765	1		*Casuarina cunninghamiana*	River She-Oak	25.0	16.0	0.88	0.99	10.56	3.30	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Native		4 Moderate	
766	1		*Lophostemon confertus*	Brush Box	12.0	5.0	0.18	0.25	2.16	1.85	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
767	1		*Eucalyptus pilularis*	Blackbutt	16.0	8.0	0.62	0.62	7.44	2.71	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value
768	1		*Lophostemon confertus*	Brush Box	13.5	7.0	0.23	0.28	2.76	1.94	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
769	1		*Syncarpia glomulifera*	Turpentine	14.0	7.0	0.50	0.50	6.00	2.47	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Chlorotic foliage.
770	1		*Lophostemon confertus*	Brush Box	10.0	4.0	0.16	0.24	2.00	1.82	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		3 Low	
771	1		*Eucalyptus pilularis*	Blackbutt	20.0	12.0	1.00	1.00	12.00	3.31	Dead	Dead	Average	Deadwood-Major Asymmetric Canopy Lean-Major Termites Branch Tearouts	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value. Major lean

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
772	1		*Grevillea robusta*	Silky Oak	18.0	10.0	0.49	0.57	5.88	2.61	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Invasive		3 Low	
773	1		*Grevillea robusta*	Silky Oak	15.0	5.0	0.18	0.23	2.16	1.79	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Invasive		3 Low	
774	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	7.0	0.31	0.41	3.72	2.28	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to west.
775	1		*Eucalyptus saligna*	Sydney Blue Gum	16.0	8.0	0.18	0.23	2.16	1.79	Semi-mature	Normal	Average	Deadwood-Minor Epicormic Growth Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north west.
776	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	9.0	0.53	0.63	6.36	2.73	Mature	Normal	Average	Epicormic Growth Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to west.
777	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	12.0	0.51	0.57	6.12	2.61	Mature	Normal	Average	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to west.
778	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	12.0	0.50	0.56	6.00	2.59	Mature	Normal	Poor	Deadwood-Major Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north west.
779	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	14.0	0.70	0.80	8.40	3.01	Mature	Good	Good	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Asymmetric canopy to north.
780	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	14.0	0.65	0.78	7.80	2.98	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
781	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	12.0	0.59	0.67	7.08	2.80	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
782	1		*Eucalyptus saligna*	Sydney Blue Gum	17.0	4.0	0.16	0.30	2.00	2.00	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
783	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	7.0	0.20	0.30	2.40	2.00	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
784	1		*Angophora floribunda*	Rough-barked Apple	18.0	8.0	0.29	0.42	3.48	2.30	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Codominant from base.
785	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	9.0	0.31	0.36	3.72	2.15	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
786	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	9.0	0.30	0.39	3.60	2.23	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy north west.
787	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	9.0	0.34	0.44	4.08	2.34	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy north.
788	1		*Eucalyptus pilularis*	Blackbutt	26.0	8.0	0.30	0.41	3.60	2.28	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	
789	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	9.0	0.20	0.31	2.40	2.02	Semi-mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Epicormic Growth Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy and minor lean to north.
790	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	12.0	0.58	0.63	6.96	2.73	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
791	1		*Angophora floribunda*	Rough-barked Apple	10.0	10.0	0.25	0.30	3.00	2.00	Mature	Fair	Poor	Deadwood-Minor Lean-Major Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Major lean and asymmetric canopy to north.
792	1		*Angophora floribunda*	Rough-barked Apple	7.0	10.0	0.25	0.30	3.00	2.00	Semi-mature	Fair	Poor	Deadwood-Minor Lean-Major Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		2 Very Poor	Major lean and asymmetric canopy to north. Minor root plate failure.
793	1		*Angophora floribunda*	Rough-barked Apple	12.0	10.0	0.24	0.28	2.88	1.94	Mature	Fair	Poor	Deadwood-Minor Lean-Major Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Major lean and asymmetric canopy to north.
794	1		*Angophora floribunda*	Rough-barked Apple	14.0	10.0	0.29	0.31	3.48	2.02	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north.
795	1		*Angophora floribunda*	Rough-barked Apple	16.0	10.0	0.30	0.33	3.60	2.08	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	
796	1		*Angophora floribunda*	Rough-barked Apple	18.0	9.0	0.26	0.32	3.12	2.05	Mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric canopy and minor lean to north.
797	1		*Casuarina cunninghamiana*	River She-Oak	25.0	12.0	0.49	0.62	5.88	2.71	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
798	1		*Casuarina cunninghamiana*	River She-Oak	26.0	12.0	0.36	0.45	4.32	2.37	Mature	Normal	Average		Long (>40 years)	Native		4 Moderate	
799	1		*Angophora floribunda*	Rough-barked Apple	16.0	8.0	0.31	0.36	3.72	2.15	Mature	Poor	Poor	Deadwood-Minor Tip Dieback Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric canopy and minor lean to north.
800	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	15.0	0.25	0.25	3.00	1.85	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
801	1		*Angophora floribunda*	Rough-barked Apple	14.0	10.0	0.58	0.58	6.96	2.63	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Codominant at trunks.
802	1		*Angophora floribunda*	Rough-barked Apple	16.0	10.0	0.30	0.39	3.60	2.23	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
803	1		*Angophora floribunda*	Rough-barked Apple	12.0	10.0	0.26	0.30	3.12	2.00	Mature	Fair	Poor	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric canopy and minor lean to north.
804	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	18.0	0.72	0.85	8.64	3.09	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
805	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	18.0	1.00	1.04	12.00	3.36	Mature	Normal	Average	Deadwood-Minor Decay-Major Lean-Major	Long (>40 years)	Endemic		2 Very Poor	Major root plate failure and leaning on T804. Major decay from base for 3m.
806	1		*Casuarina cunninghamiana*	River She-Oak	16.0	6.0	0.34	0.35	4.08	2.13	Mature	Fair	Poor	Asymmetric Canopy Decay-Major Lean-Minor Deadwood-Minor	Long (>40 years)	Native		2 Very Poor	Major wound and decay to south. Asymmetric canopy to north.
807	1		*Casuarina cunninghamiana*	River She-Oak	18.0	6.0	0.38	0.58	4.56	2.63	Mature	Fair	Poor	Decay-Major Deadwood-Minor	Long (>40 years)	Native		2 Very Poor	Major wound and decay to south.
808	1		*Angophora floribunda*	Rough-barked Apple	18.0	12.0	0.39	0.48	4.68	2.43	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric canopy to north.
809	1		*Angophora floribunda*	Rough-barked Apple	10.0	7.0	0.22	0.27	2.64	1.91	Mature	Normal	Poor	Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Asymmetric canopy to north.
810	1		*Casuarina cunninghamiana*	River She-Oak	18.0	12.0	0.35	0.50	4.20	2.47	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Native		4 Moderate	Tridominant at base.
811	1		*Casuarina cunninghamiana*	River She-Oak	18.0	10.0	0.23	0.44	2.76	2.34	Mature	Fair	Poor	Co-dominant Stems Decay-Major Deadwood-Major Asymmetric Canopy	Long (>40 years)	Native		3 Low	Tridominant at base. Basal decay. Asymmetric canopy to north.
812	1		*Casuarina cunninghamiana*	River She-Oak	19.0	8.0	0.30	0.42	3.60	2.30	Mature	Fair	Poor	Co-dominant Stems Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Native		3 Low	Codominant at base. Asymmetric canopy to north.
813	1		*Casuarina cunninghamiana*	River She-Oak	18.0	9.0	0.34	0.50	4.08	2.47	Mature	Fair	Poor	Co-dominant Stems Asymmetric Canopy Deadwood-Minor Decay-Major Tip Dieback	Long (>40 years)	Native		3 Low	Codominant at base. Asymmetric canopy to north. Basal wound and decay.
814	1		*Casuarina cunninghamiana*	River She-Oak	22.0	7.0	0.48	0.48	5.76	2.43	Mature	Fair	Poor	Deadwood-Minor Decay-Major Tip Dieback	Long (>40 years)	Native		3 Low	Basal wound and decay.
815	1		*Casuarina cunninghamiana*	River She-Oak	23.0	9.0	0.40	0.56	4.80	2.59	Mature	Normal	Average	Tip Dieback Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
816	1		*Casuarina cunninghamiana*	River She-Oak	25.0	8.0	0.50	0.60	6.00	2.67	Mature	Fair	Poor	Tip Dieback Asymmetric Canopy Decay-Major	Long (>40 years)	Native		3 Low	Asymmetric canopy to north. Major decay and basal wound to south.
817	1		*Casuarina cunninghamiana*	River She-Oak	24.0	8.0	0.50	0.63	6.00	2.73	Mature	Fair	Poor	Tip Dieback Asymmetric Canopy Decay-Major	Long (>40 years)	Native		3 Low	Asymmetric canopy to north. Major decay and basal wound to south.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
818	1		*Casuarina cunninghamiana*	River She-Oak	18.0	6.0	0.25	0.36	3.00	2.15	Mature	Fair	Poor	Tip Dieback Asymmetric Canopy Decay-Major	Long (>40 years)	Native		2 Very Poor	Asymmetric canopy to north. Major decay and basal wound to south.
819	1		*Casuarina cunninghamiana*	River She-Oak	23.0	16.0	0.45	0.58	5.40	2.63	Mature	Normal	Average	Tip Dieback Asymmetric Canopy Decay-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north. Minor decay and basal wound to south.
820	1		*Casuarina cunninghamiana*	River She-Oak	16.0	8.0	0.25	0.45	3.00	2.37	Mature	Normal	Average	Tip Dieback Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north. Codominant at base. Growing out of embankment.
821	1		*Casuarina cunninghamiana*	River She-Oak	22.0	12.0	0.45	0.55	5.40	2.57	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
822	1		*Casuarina cunninghamiana*	River She-Oak	20.0	8.0	0.33	0.43	3.96	2.32	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
823	1		*Casuarina cunninghamiana*	River She-Oak	21.0	9.0	0.40	0.44	4.80	2.34	Mature	Normal	Average	Asymmetric Canopy Decay-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
824	1		*Eucalyptus saligna*	Sydney Blue Gum	19.0	10.0	0.28	0.39	3.36	2.23	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.
825	1		*Casuarina cunninghamiana*	River She-Oak	18.0	8.0	0.31	0.40	3.72	2.25	Semi-mature	Normal	Poor	Asymmetric Canopy Co-dominant Stems	Long (>40 years)	Native		3 Low	Asymmetric canopy to north east. Codominant at base.
826	1		*Casuarina cunninghamiana*	River She-Oak	18.0	10.0	0.32	0.41	3.84	2.28	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
827	1		*Casuarina cunninghamiana*	River She-Oak	20.0	8.0	0.30	0.43	3.60	2.32	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
828	1		*Casuarina cunninghamiana*	River She-Oak	21.0	10.0	0.45	0.55	5.40	2.57	Mature	Normal	Average	Asymmetric Canopy Decay-Major	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north. Major basal wound and decay to the south.
829	1		*Casuarina cunninghamiana*	River She-Oak	23.0	12.0	0.46	0.49	5.52	2.45	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
830	1		*Casuarina cunninghamiana*	River She-Oak	22.0	10.0	0.40	0.55	4.80	2.57	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
831	1		*Casuarina cunninghamiana*	River She-Oak	18.0	6.0	0.40	0.40	4.80	2.25	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Native		3 Low	Asymmetric canopy to north. Four trunks at 1m.
832	1		*Grevillea robusta*	Silky Oak	23.0	12.0	0.39	0.45	4.68	2.37	Mature	Fair	Poor	Decay-Minor	Long (>40 years)	Invasive		3 Low	Minor basal wound to south.
833	1		*Casuarina cunninghamiana*	River She-Oak	19.0	7.0	0.37	0.50	4.44	2.47	Mature	Fair	Average	Deadwood-Major Branch Tearouts	Long (>40 years)	Native		4 Moderate	Basal wound and decay to south.
834	1		*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.26	0.30	3.12	2.00	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Decay-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north. Minor basal decay and wound to south.
835	1		*Casuarina cunninghamiana*	River She-Oak	19.0	5.0	0.25	0.40	3.00	2.25	Mature	Normal	Average	Decay-Minor Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Minor basal decay and wound to south.
836	1		*Casuarina cunninghamiana*	River She-Oak	20.0	10.0	0.51	0.69	6.12	2.83	Mature	Normal	Average	Epicormic Growth Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
837	1		*Casuarina cunninghamiana*	River She-Oak	22.0	12.0	0.55	0.70	6.60	2.85	Mature	Normal	Average	Epicormic Growth Asymmetric Canopy Deadwood-Minor Decay-Minor Branch Tearouts	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north. Minor basal wound and decay to south.
838	1		*Casuarina cunninghamiana*	River She-Oak	18.0	7.0	0.20	0.28	2.40	1.94	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
839	1		*Casuarina cunninghamiana*	River She-Oak	23.0	12.0	0.47	0.59	5.64	2.65	Mature	Normal	Average	Deadwood-Minor Branch Tearouts Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north east.
840	1		*Casuarina cunninghamiana*	River She-Oak	21.0	10.0	0.31	0.41	3.72	2.28	Mature	Normal	Average	Deadwood-Minor Branch Tearouts Epicormic Growth	Long (>40 years)	Native		4 Moderate	
841	1		*Casuarina cunninghamiana*	River She-Oak	15.0	8.0	0.21	0.32	2.52	2.05	Semi-mature	Normal	Poor	Deadwood-Minor Branch Tearouts Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric canopy to north.
842	1		*Pinus roxburghii*	Chir Pine	30.0	10.0	0.68	0.79	8.16	3.00	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Exotic		3 Low	
843	1		*Pinus roxburghii*	Chir Pine	28.0	10.0	0.44	0.58	5.28	2.63	Dead	Dead	Poor	Asymmetric Canopy Deadwood-Major	Short (5-15 years)	Exotic		1 Dead	
844	1		*Pinus roxburghii*	Chir Pine	26.0	4.0	0.30	0.41	3.60	2.28	Dead	Dead	Poor	Deadwood-Major	Short (5-15 years)	Exotic		1 Dead	
845	1	Remote	*Casuarina cunninghamiana*	River She-Oak	18.0	8.0	0.40	0.60	4.80	2.67	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
846	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	7.0	0.30	0.42	3.60	2.30	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
847	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	6.0	0.30	0.42	3.60	2.30	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
848	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	6.0	0.22	0.31	2.64	2.02	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
849	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	6.0	0.21	0.30	2.52	2.00	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
850	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	5.0	0.21	0.30	2.52	2.00	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
851	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.22	0.35	2.64	2.13	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
852	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.18	0.22	2.16	1.75	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
853	1	Remote	*Casuarina cunninghamiana*	River She-Oak	20.0	6.0	0.24	0.31	2.88	2.02	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
854	1	Remote	*Casuarina cunninghamiana*	River She-Oak	20.0	7.0	0.24	0.31	2.88	2.02	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
855	1	Remote	*Casuarina cunninghamiana*	River She-Oak	18.0	4.0	0.19	0.30	2.28	2.00	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
856	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.21	0.33	2.52	2.08	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
857	2	Remote	*Casuarina cunninghamiana*	River She-Oak	18.0	5.0	0.16	0.25	2.00	1.85	Semi-mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Two tree side by side less than 1m apart.(east west).
858	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.16	0.25	2.00	1.85	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
859	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.5	6.0	0.23	0.30	2.76	2.00	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Native		4 Moderate	
860	3	Remote	*Casuarina cunninghamiana*	River She-Oak	20.0	8.0	0.28	0.44	3.36	2.34	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Native		4 Moderate	Treat as one tree and canopy. All within 0.5m of each other.

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
861	1	Remote	*Casuarina cunninghamiana*	River She-Oak	22.0	6.0	0.28	0.35	3.36	2.13	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Some distance from fence line.
862	1	Remote	*Casuarina cunninghamiana*	River She-Oak	22.0	6.0	0.48	0.52	5.76	2.51	Dead	Dead	Average	Deadwood-Minor	Remove (<5 years)	Native		1 Dead	
863	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	6.0	0.23	0.33	2.76	2.08	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
864	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	6.0	0.24	0.35	2.88	2.13	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
865	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	8.0	0.44	0.63	5.28	2.73	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
866	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	7.0	0.42	0.60	5.04	2.67	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
867	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	10.0	0.42	0.61	5.04	2.69	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	On crest of bund.
868	1	Remote	*Casuarina cunninghamiana*	River She-Oak	16.0	8.0	0.40	0.59	4.80	2.65	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	On crest of bund.
869	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	8.0	0.37	0.55	4.44	2.57	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
870	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	8.0	0.60	0.71	7.20	2.87	Mature	Normal	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Native		4 Moderate	Previous codominant stem pruned at 3.0m
871	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	17.0	12.0	0.65	0.85	7.80	3.09	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
872	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	8.0	0.25	0.40	3.00	2.25	Mature	Fair	Average	Deadwood-Minor Cavity	Long (>40 years)	Native		4 Moderate	
873	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	19.0	14.0	0.51	0.70	6.12	2.85	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
874	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	8.0	0.28	0.41	3.36	2.28	Mature	Fair	Average	Deadwood-Minor Cavity	Long (>40 years)	Native	Basal Hollow	4 Moderate	Small basal hollow.
875	1	Remote	*Casuarina cunninghamiana*	River She-Oak	16.0	7.0	0.24	0.30	2.88	2.00	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
876	1	Remote	*Pittosporum undulatum*	Sweet Pittosporum	8.5	7.0	0.21	0.28	2.52	1.94	Mature	Fair	Average	Deadwood-Minor Lean-Major	Long (>40 years)	Endemic		4 Moderate	Lean and then corrected.
877	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	24.5	16.0	1.28	1.85	15.00	4.29	Over-mature	Poor	Average	Co-dominant Stems Tip Dieback Decay-Minor Deadwood-Major Branch Tearouts Epicormic Growth Pest/Disease	Short (5-15 years)	Endemic	Small Hollows or Spouts Stag Creation Potential	2 Very Poor	Trunk to east is dead. Remaining side of tree is poor condition with major wounding at 16m. Extensive deadwood.
878	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	26.0	16.0	1.00	1.20	12.00	3.57	Mature	Fair	Average	Tip Dieback Branch Tearouts Epicormic Growth Co-dominant Stems Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Stag Creation Potential Large Hollow	4 Moderate	Asymmetric to north.
879	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	17.0	6.0	0.38	0.52	4.56	2.51	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
880	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	17.0	1.30	1.80	15.00	4.24	Mature	Poor	Average	Deadwood-Major Tip Dieback Epicormic Growth	Medium (15-40 years)	Endemic	Stag Creation Potential Small Hollows or Spouts	3 Low	Extensive deadwood and dieback.
881	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	15.0	8.0	0.28	0.35	3.36	2.13	Mature	Fair	Poor	Deadwood-Major Lean-Minor Branch Tearouts	Long (>40 years)	Endemic		3 Low	
882	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	17.0	9.0	0.33	0.40	3.96	2.25	Mature	Fair	Poor	Deadwood-Major Lean-Minor Branch Tearouts Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to north-west.
883	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	19.0	7.0	0.40	0.55	4.80	2.57	Mature	Fair	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
884	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	16.0	7.0	0.46	0.60	5.52	2.67	Mature	Fair	Poor	Branch Tearouts Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to north.
885	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	17.0	6.0	0.40	0.55	4.80	2.57	Mature	Fair	Average	Branch Tearouts Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to north.
886	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	20.0	10.0	0.55	0.70	6.60	2.85	Mature	Fair	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
887	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	20.0	14.0	0.70	0.70	8.40	2.85	Mature	Fair	Average	Branch Tearouts Lean-Minor Epicormic Growth Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Large trunk scar to south.
888	1	Remote	*Angophora floribunda*	Rough-barked Apple	15.0	12.0	0.64	0.80	7.68	3.01	Mature	Poor	Average	Branch Tearouts Lean-Minor Epicormic Growth Deadwood-Minor Tip Dieback Asymmetric Canopy	Short (5-15 years)	Endemic		4 Moderate	Asymmetric to north.
889	1	Remote	*Angophora floribunda*	Rough-barked Apple	16.0	10.0	0.40	0.56	4.80	2.59	Mature	Fair	Average	Branch Tearouts Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		4 Moderate	
890	1	Remote	*Angophora floribunda*	Rough-barked Apple	12.0	9.0	0.24	0.28	2.88	1.94	Mature	Fair	Average	Branch Tearouts Deadwood-Minor Tip Dieback Epicormic Growth Lean-Major	Medium (15-40 years)	Endemic		3 Low	Lean and mistletoe.
891	1	Remote	*Angophora floribunda*	Rough-barked Apple	14.0	10.0	0.67	0.85	8.04	3.09	Senescent	Poor	Poor	Branch Tearouts Tip Dieback Epicormic Growth Co-dominant Stems Deadwood-Major Asymmetric Canopy	Short (5-15 years)	Endemic		2 Very Poor	Asymmetric to north.
892	1	Remote	*Angophora floribunda*	Rough-barked Apple	14.0	10.0	0.30	0.38	3.60	2.20	Over-mature	Poor	Average	Branch Tearouts Tip Dieback Epicormic Growth Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	
893	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	7.0	0.25	0.32	3.00	2.05	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
894	4	Remote	*Angophora floribunda*	Rough-barked Apple	13.0	10.0	0.30	0.46	3.60	2.39	Over-mature	Fair	Poor	Tip Dieback Epicormic Growth Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Group of four trunks all within 1m of each other. Treat as one and one canopy.
895	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	7.0	0.18	0.25	2.16	1.85	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
896	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	15.0	8.0	0.45	0.60	5.40	2.67	Mature	Fair	Poor	Branch Tearouts Deadwood-Minor Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to east.
897	1	Remote	*Casuarina cunninghamiana*	River She-Oak	17.0	7.0	0.30	0.42	3.60	2.30	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
898	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	20.0	12.0	0.62	0.80	7.44	3.01	Mature	Fair	Average	Branch Tearouts Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	
899	1	Remote	*Casuarina cunninghamiana*	River She-Oak	18.0	8.0	0.21	0.26	2.52	1.88	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
900	1	Remote	*Angophora floribunda*	Rough-barked Apple	15.0	8.0	0.26	0.32	3.12	2.05	Mature	Fair	Average	Branch Tearouts Tip Dieback Epicormic Growth Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
901	1	Remote	*Angophora floribunda*	Rough-barked Apple	12.0	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Average	Branch Tearouts Tip Dieback Epicormic Growth Deadwood-Major	Long (>40 years)	Endemic		3 Low	Asymmetric to north.
902	1	Remote	*Casuarina cunninghamiana*	River She-Oak	18.0	8.0	0.23	0.28	2.76	1.94	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	
903	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	20.0	6.0	0.26	0.38	3.12	2.20	Mature	Fair	Average	Branch Tearouts Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.
904	1	Remote	*Casuarina cunninghamiana*	River She-Oak	19.0	6.0	0.24	0.30	2.88	2.00	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric to east.
905	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	22.0	8.0	0.45	0.55	5.40	2.57	Mature	Fair	Average	Branch Tearouts Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
906	1	Remote	*Casuarina cunninghamiana*	River She-Oak	20.0	7.0	0.33	0.45	3.96	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Native		4 Moderate	Asymmetric to north.
907	2	Remote	*Casuarina cunninghamiana*	River She-Oak	21.0	9.0	0.26	0.35	3.12	2.13	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Native		4 Moderate	Smaller tree towards south with 0.15m. DBH. within 1m.
908	1	Remote	*Casuarina cunninghamiana*	River She-Oak	21.0	11.0	0.48	0.59	5.76	2.65	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Native		4 Moderate	
909	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	15.0	12.0	0.35	0.55	4.20	2.57	Mature	Fair	Poor	Branch Tearouts Deadwood-Minor Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Very asymmetric to north-east
910	1	Remote	*Angophora floribunda*	Rough-barked Apple	10.0	8.0	0.26	0.30	3.12	2.00	Mature	Fair	Average	Tip Dieback Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic		3 Low	
911	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	11.0	0.50	0.68	6.00	2.81	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
912	1	Remote	*Angophora floribunda*	Rough-barked Apple	17.0	10.0	0.38	0.49	4.56	2.45	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
913	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	8.0	0.45	0.60	5.40	2.67	Mature	Normal	Average	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		4 Moderate	
914	1	Remote	*Angophora floribunda*	Rough-barked Apple	15.0	9.0	0.40	0.50	4.80	2.47	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmmetric to south-west.
915	1	Remote	*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.50	0.76	6.00	2.95	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
916	1		*Liquidambar styraciflua*	Liquidambar	17.0	8.0	0.30	0.39	3.60	2.23	Mature	Normal	Average		Long (>40 years)	Exotic		3 Low	
917	1		*Liquidambar styraciflua*	Liquidambar	16.0	9.0	0.38	0.60	4.56	2.67	Mature	Normal	Poor	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Exotic		2 Very Poor	Decay and dysfunction at base.
918	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	11.0	0.56	0.65	6.72	2.76	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
919	1		*Angophora floribunda*	Rough-barked Apple	16.0	6.0	0.22	0.25	2.64	1.85	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
920	2		*Liquidambar styraciflua*	Liquidambar	14.0	9.0	0.20	0.60	2.40	2.67	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Exotic		3 Low	Two trees, smaller one to south-east (0.13 DBH).
921	1		*Angophora floribunda*	Rough-barked Apple	14.0	5.0	0.16	0.23	2.00	1.79	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy Tip Dieback	Long (>40 years)	Endemic		3 Low	Asymmetric to the west.
922	1		*Angophora floribunda*	Rough-barked Apple	14.0	5.0	0.19	0.24	2.28	1.82	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		4 Moderate	
923	1		*Angophora floribunda*	Rough-barked Apple	15.0	6.0	0.20	0.24	2.40	1.82	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
924	1		*Angophora floribunda*	Rough-barked Apple	16.0	8.0	0.25	0.31	3.00	2.02	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
925	1		*Angophora floribunda*	Rough-barked Apple	18.0	6.0	0.31	0.35	3.72	2.13	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
926	1		*Angophora floribunda*	Rough-barked Apple	15.0	6.0	0.23	0.36	2.76	2.15	Mature	Poor	Poor	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		3 Low	Tridominant stems from base.
927	1		*Angophora floribunda*	Rough-barked Apple	15.0	8.0	0.22	0.28	2.64	1.94	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to the west.
928	1		*Angophora floribunda*	Rough-barked Apple	12.0	5.0	0.25	0.46	3.00	2.39	Mature	Poor	Poor	Deadwood-Minor Co-dominant Stems Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Four stems from base. Asymmetric to west. Treat as one tree.
929	1		*Angophora floribunda*	Rough-barked Apple	13.0	3.0	0.16	0.22	2.00	1.75	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
930	1		*Angophora floribunda*	Rough-barked Apple	16.0	6.0	0.25	0.31	3.00	2.02	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
931	1		*Angophora floribunda*	Rough-barked Apple	16.0	6.0	0.25	0.30	3.00	2.00	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to the west.
932	1		*Angophora floribunda*	Rough-barked Apple	19.0	9.0	0.42	0.55	5.04	2.57	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
933	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	13.0	0.63	0.85	7.56	3.09	Mature	Good	Average	Deadwood-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	
934	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	12.0	0.51	0.62	6.12	2.71	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Good tree.
935	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	7.0	0.35	0.43	4.20	2.32	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
936	1		*Eucalyptus pilularis*	Blackbutt	24.0	12.0	0.54	0.72	6.48	2.88	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
937	1		*Eucalyptus saligna*	Sydney Blue Gum	21.0	14.0	0.89	1.30	10.68	3.69	Mature	Normal	Poor	Deadwood-Minor Lean-Minor Co-dominant Stems Decay-Major Epicormic Growth Branch Tearouts Hangers	Long (>40 years)	Endemic		3 Low	Decay and dysfunction at centre of trunks from base to 3.0m but with significant reaction wood.
938	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	12.0	0.41	0.51	4.92	2.49	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
939	1		*Acacia parramattensis*	Parramatta Wattle	14.0	12.0	0.32	0.40	3.84	2.25	Mature	Fair	Average	Deadwood-Major Tip Dieback Branch Tearouts Epicormic Growth	Short (5-15 years)	Endemic		3 Low	Major tear out at 8.0m to east side. Top broken out.
940	1		*Acacia parramattensis*	Parramatta Wattle	18.0	10.0	0.31	0.38	3.72	2.20	Mature	Fair	Poor	Deadwood-Major Tip Dieback Branch Tearouts Asymmetric Canopy Lean-Minor	Short (5-15 years)	Endemic		2 Very Poor	Asymmetric to west.
941	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	12.0	0.47	0.53	5.64	2.53	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
942	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	6.0	0.27	0.34	3.24	2.10	Mature	Normal	Average	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Fungal fruiting bodies at base.
943	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	8.0	0.38	0.46	4.56	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
944	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	6.0	0.40	0.46	4.80	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
945	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	7.0	0.34	0.40	4.08	2.25	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
946	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	5.0	0.42	0.51	5.04	2.49	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	

Tree ID	Trees in Group	Remote Assessment Made	Tree Species	Common Name	Height (m)	Spread (m)	Trunk Diameter Breast Height (dbh) (m)	Trunk Diameter at base (dgl) (m)	Nominal TPZ radius (m) 12xdbh (AS 4970)	Nominal SRZ radius (m) (AS 4970)	Age Class	Current Vigour	Current Form	Noted Defects	SULE Rating	Tree Origin	Habitat Values /Hollow Bearing	Condition Rating Value	General Comments and Notes
947	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	5.0	0.22	0.30	2.64	2.00	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
948	1		*Eucalyptus saligna*	Sydney Blue Gum	24.0	10.0	0.50	0.62	6.00	2.71	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
949	1		*Eucalyptus saligna*	Sydney Blue Gum	26.0	12.0	0.51	0.62	6.12	2.71	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
950	1		*Eucalyptus saligna*	Sydney Blue Gum	27.0	8.0	0.37	0.48	4.44	2.43	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.
951	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	15.0	0.49	0.63	5.88	2.73	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
952	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	16.0	0.72	1.02	8.64	3.34	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	
953	1		*Eucalyptus saligna*	Sydney Blue Gum	20.0	13.0	0.36	0.47	4.32	2.41	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
954	1		*Eucalyptus saligna*	Sydney Blue Gum	22.0	7.0	0.32	0.36	3.84	2.15	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
955	1		*Eucalyptus saligna*	Sydney Blue Gum	23.0	15.0	0.54	0.68	6.48	2.81	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High	
956	1		*Eucalyptus saligna*	Sydney Blue Gum	28.0	9.0	0.44	0.58	5.28	2.63	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
957	1		*Eucalyptus saligna*	Sydney Blue Gum	25.0	12.0	0.33	0.48	3.96	2.43	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
958	1		*Eucalyptus saligna*	Sydney Blue Gum	29.0	14.0	0.44	0.52	5.28	2.51	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south-west.
959	1		*Eucalyptus saligna*	Sydney Blue Gum	32.0	13.0	0.57	0.69	6.84	2.83	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	
960	1		*Eucalyptus robusta*	Swamp Mahogany	12.5	8.0	0.28	0.37	3.36	2.18	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Native		3 Low	
961	2		*Populus deltoides*	American Cottonwood	13.0	9.0	0.28	0.37	3.36	2.18	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Lean-Minor Deadwood-Major	Medium (15-40 years)	Invasive		2 Very Poor	In base of creekline.
962	1		*Populus deltoides*	American Cottonwood	13.0	7.0	0.49	0.55	5.88	2.57	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Invasive		2 Very Poor	In base of creekline.
963	1		*Populus deltoides*	American Cottonwood	15.0	7.0	0.52	0.57	6.24	2.61	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Invasive		2 Very Poor	In base of creekline.
964	1		*Populus deltoides*	American Cottonwood	12.0	6.0	0.48	0.52	5.76	2.51	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major Decay-Major	Medium (15-40 years)	Invasive		2 Very Poor	In base of creekline.
965	4		*Populus deltoides*	American Cottonwood	15.0	9.0	0.40	0.45	4.80	2.37	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Invasive		2 Very Poor	4 trees in a cluster. All very poor condition. Treat as one tree. In base of creekline.
966	3		*Populus deltoides*	American Cottonwood	13.0	7.0	0.39	0.46	4.68	2.39	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major Decay-Major	Medium (15-40 years)	Invasive		2 Very Poor	3 trees in a cluster. All very poor condition. Treat as one tree. In base of creekline.
967	2		*Populus deltoides*	American Cottonwood	13.0	7.0	0.43	0.46	5.16	2.39	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major Decay-Major	Medium (15-40 years)	Invasive		2 Very Poor	In base of creekline.
968	1		*Populus deltoides*	American Cottonwood	10.5	6.0	0.50	0.52	6.00	2.51	Over-mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major Decay-Major Branch Tearouts Lean-Minor	Medium (15-40 years)	Invasive		2 Very Poor	Very poor condition. In base of creekline.

4.2 Hornsby Quarry - Detailed Tree Assessment Plans

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
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PROJECT & CLIENT

Hornsby Quarry

Pre Development
Hornsby NSW 2077

Prepared for :

Hornsby Shire Council

Tree Assessment Package

DRAWING INDEX

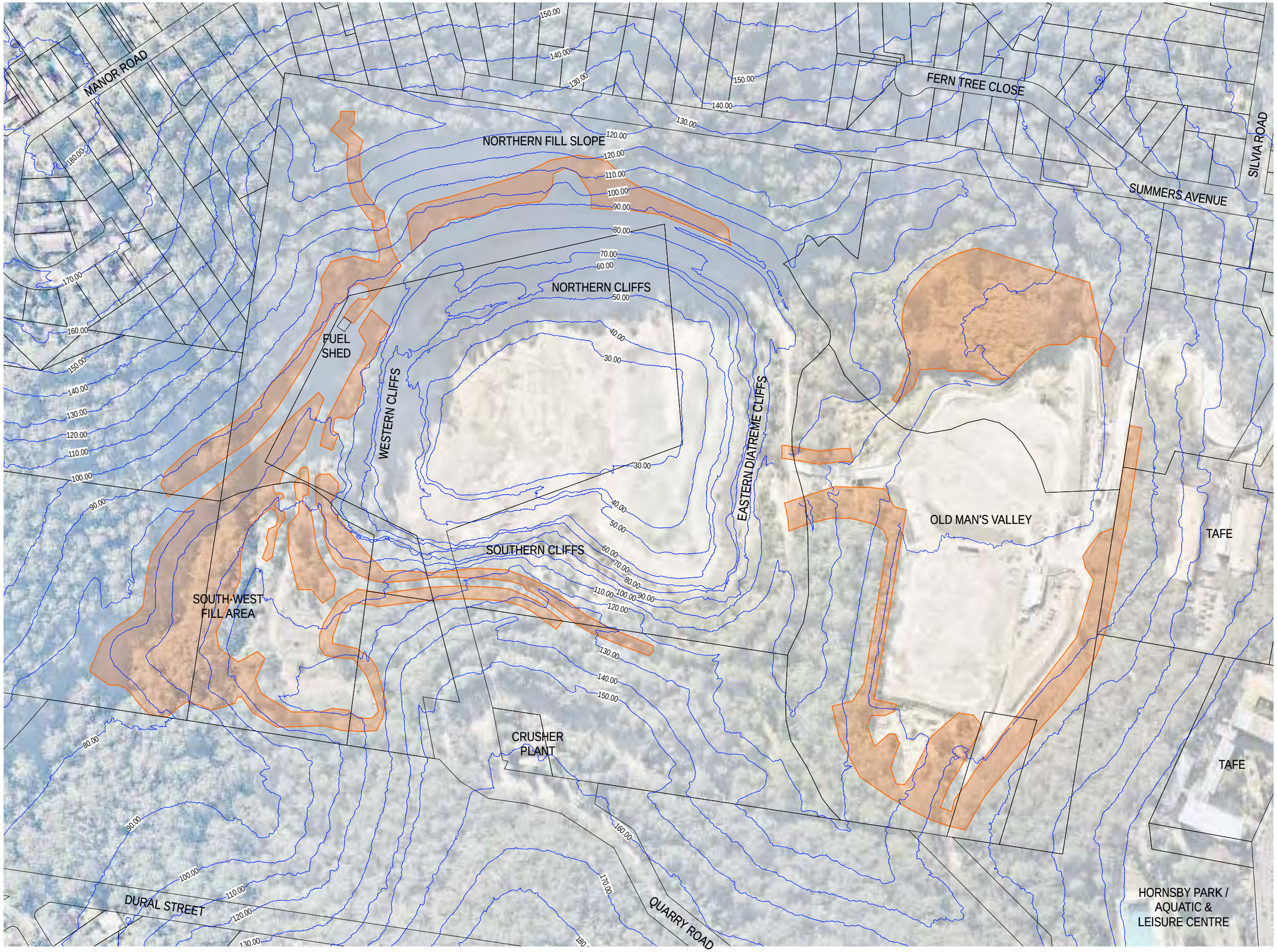
Drawing No:	Drawing Name	Current Rev.
T-00	Cover Page	A
T-01	Overall Site Plan	A
T-02	Tree Inventory Plan - North West	A
T-03	Tree Inventory Plan - North East	A
T-04	Tree Inventory Plan - South West	A
T-05	Tree Inventory Plan - South East	A
T-06	Tree Condition Rating Plan - North West	A
T-07	Tree Condition Rating Plan - North East	A
T-08	Tree Condition Rating Plan - South West	A
T-09	Tree Condition Rating Plan - South East	A
T-10	Tree Species Plan - North West	A
T-11	Tree Species Plan - North East	A
T-12	Tree Species Plan - South West	A
T-13	Tree Species Plan - South East	A
T-14	Tree Origin Plan - North West	A
T-15	Tree Origin Plan - North East	A
T-16	Tree Origin Plan - South West	A
T-17	Tree Origin Plan - South East	A
T-18	Tree Habitat Value Plan - North West	A
T-19	Tree Habitat Value Plan - North East	A
T-20	Tree Habitat Value Plan - South West	A
T-21	Tree Habitat Value Plan - South East	A
T-22	Large DBH Tree Plan - North West	A
T-23	Large DBH Tree Plan - North East	A
T-24	Large DBH Tree Plan - South West	A
T-25	Large DBH Tree Plan - South East	A

DATE :

22 August 2019

ISSUE :

For Review / Comment



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- 10m Contours
- Tree Survey Extent

0 20 40 100m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Overall Site Plan

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:1000@A0/1:2000@A2

DRAWING NUMBER: T-01

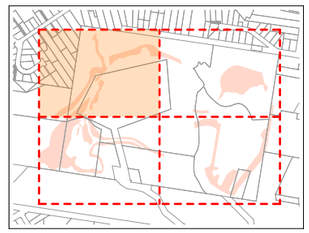
REVISION: A

Plotted at : 3:37 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Inventory Plan - North West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-02

REVISION: A

Plotted at : 3:38 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
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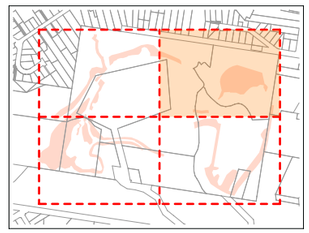
Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Inventory Plan - North East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-03

REVISION: A

Plotted at : 3:38 pm 22/8/19

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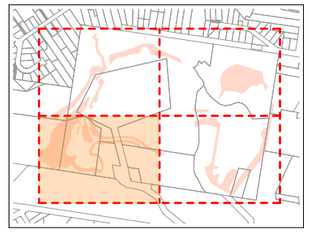
Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Inventory Plan - South West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-04 REVISION: A

Plotted at : 3:39 pm 22/8/19

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SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
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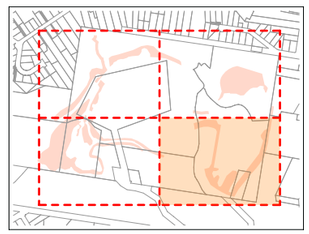
Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Inventory Plan - South East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-05 REVISION: A

Plotted at : 3:39 pm 22/8/19

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Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- 1. Dead (Note : no TPZ's shown for these trees)
- 2. Very Poor (Note : no TPZ's shown for these trees)
- 3. Low (Note: no TPZ's shown for these trees)
- 4. Moderate
- 5. High
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- Tree Identification Number

Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Condition Rating Plan - North West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

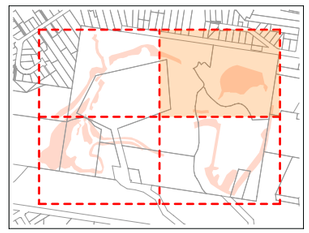
DRAWING NUMBER: T-06 REVISION: A

Plotted at : 3:39 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- 1. Dead (Note : no TPZ's shown for these trees)
- 2. Very Poor (Note : no TPZ's shown for these trees)
- 3. Low (Note: no TPZ's shown for these trees)
- 4. Moderate
- 5. High
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Condition Rating Plan - North East

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

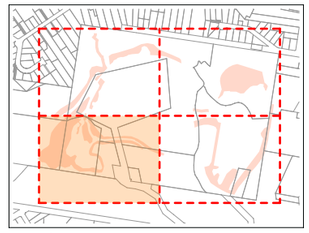
DRAWING NUMBER T-07 REVISION A

Plotted at : 3:39 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- 1. Dead (Note : no TPZ's shown for these trees)
- 2. Very Poor (Note : no TPZ's shown for these trees)
- 3. Low (Note: no TPZ's shown for these trees)
- 4. Moderate
- 5. High
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Condition Rating Plan - South West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-08 REVISION: A

Plotted at : 3:40 pm 22/8/19

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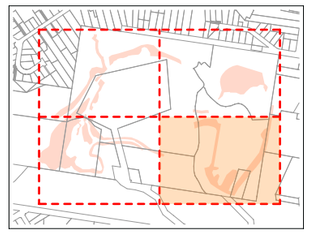
Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- 1. Dead (Note : no TPZ's shown for these trees)
- 2. Very Poor (Note : no TPZ's shown for these trees)
- 3. Low (Note: no TPZ's shown for these trees)
- 4. Moderate
- 5. High
- Extent of canopy as verified by site measure
- Nominal Tree Protection Zone Radius (TPZ) (Only shown for Moderate and High condition rating trees)
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

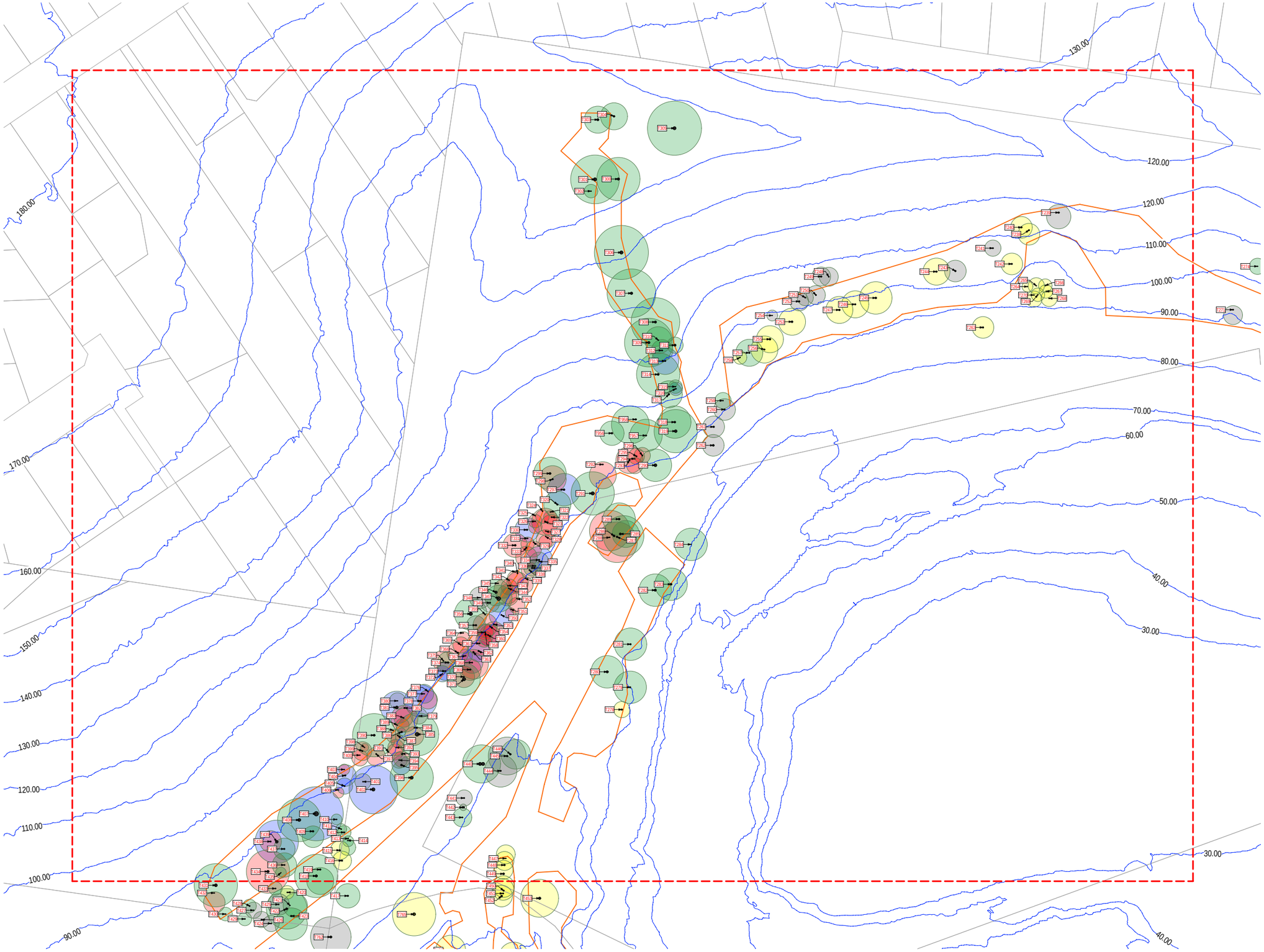
DRAWING TITLE

Tree Condition Rating Plan - South East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER T-09 REVISION A

Plotted at : 3:40 pm 22/8/19



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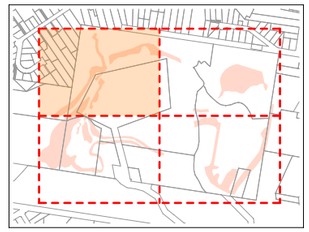
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Angophora floribunda
- Casuarina cunninghamiana
- Eucalyptus pilularis
- Eucalyptus saligna
- Others
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

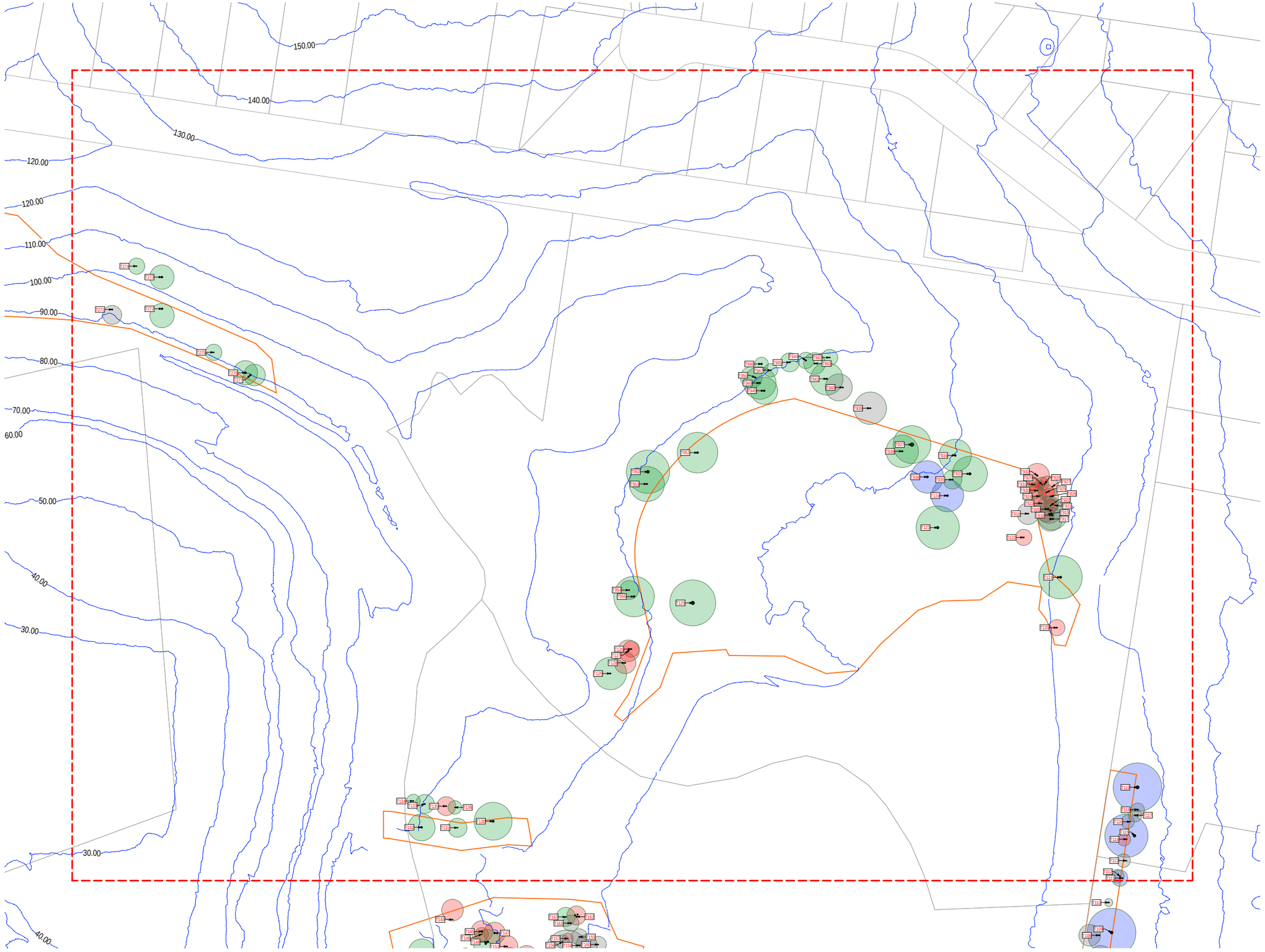
Tree Species Plan - North West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-10

REVISION: A

Plotted at : 3:40 pm 22/8/19



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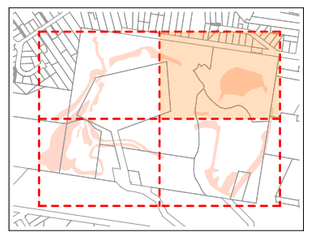
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Angophora floribunda
- Casuarina cunninghamiana
- Eucalyptus pilularis
- Eucalyptus saligna
- Others
- Extent of canopy as verified by site measure
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Species Plan - North East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-11
REVISION: A

Plotted at : 3:40 pm 22/8/19

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SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Angophora floribunda
- Casuarina cunninghamiana
- Eucalyptus pilularis
- Eucalyptus saligna
- Others
- Extent of canopy as verified by site measure
- T26 Tree Identification Number

Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

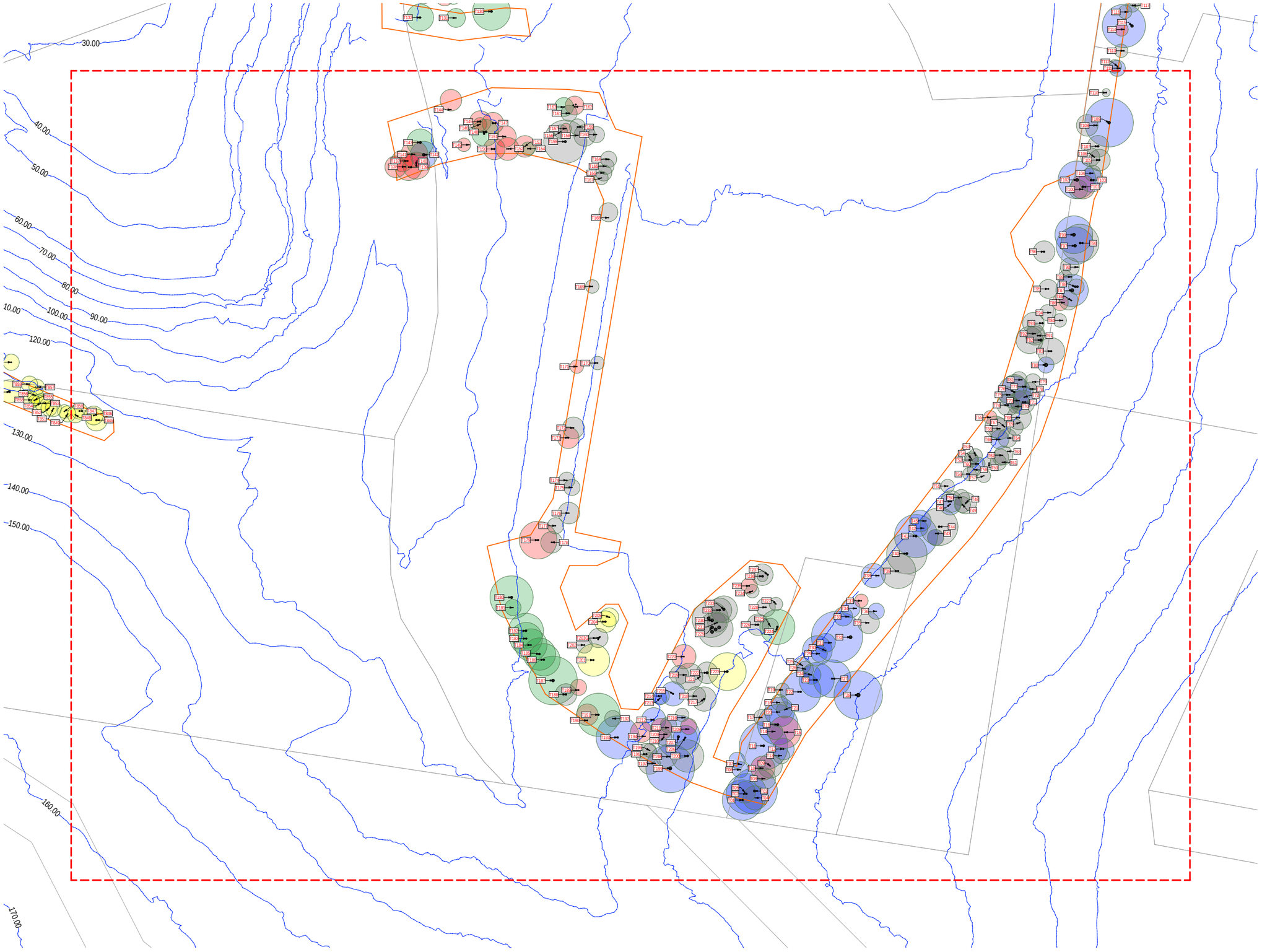
Tree Species Plan - South West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER T-12

REVISION A

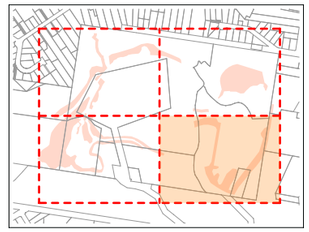
Plotted at : 3:40 pm 22/8/19



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Angophora floribunda
- Casuarina cunninghamiana
- Eucalyptus pilularis
- Eucalyptus saligna
- Others
- Extent of canopy as verified by site measure
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

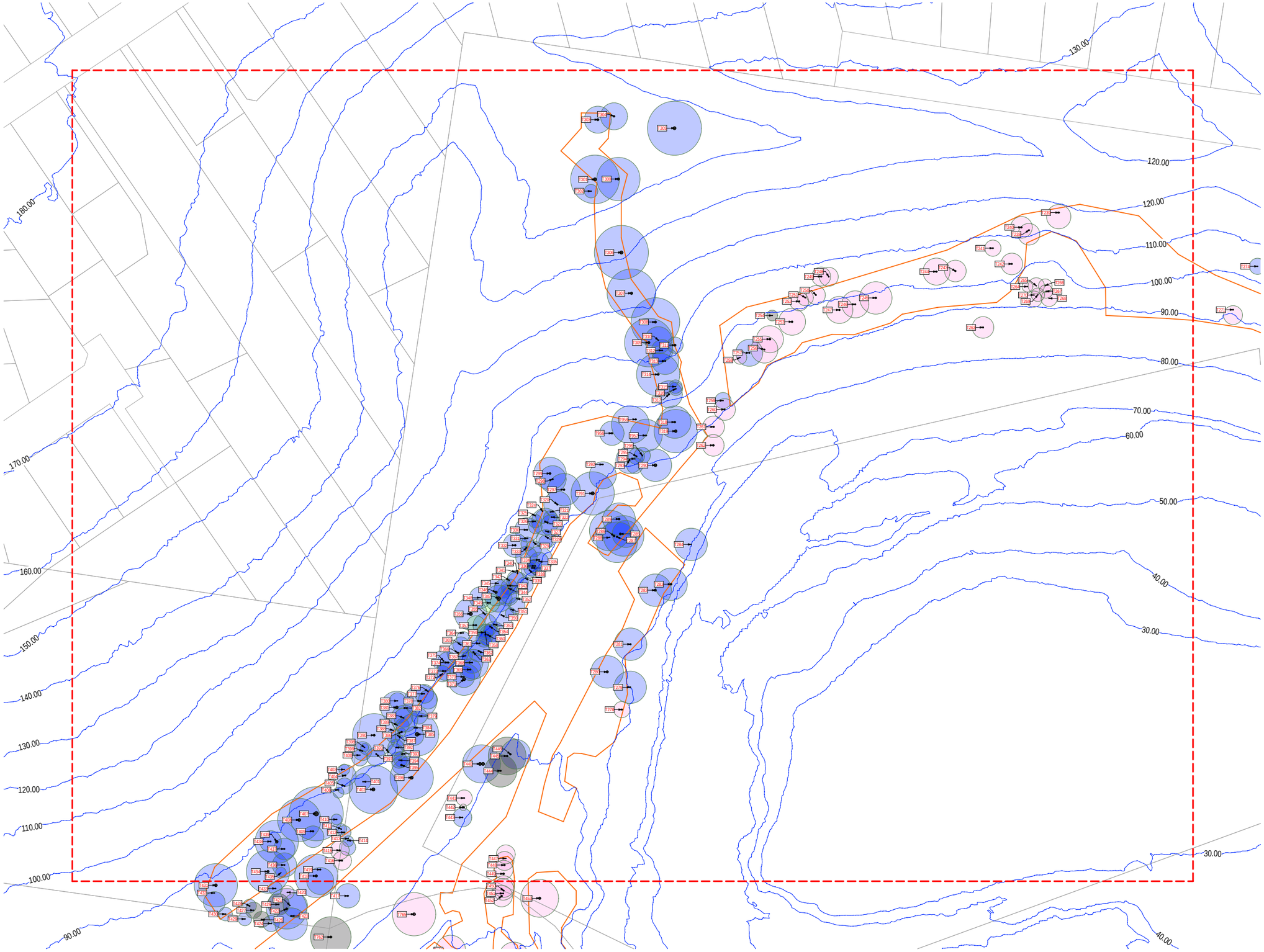
Tree Species Plan - South East

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

DRAWING NUMBER T-13

REVISION A

Plotted at : 3:41 pm 22/8/19



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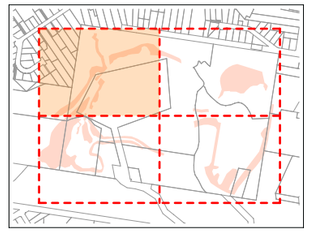
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Endemic
- Exotic
- Invasive
- Native
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Origin Plan - North West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER T-14

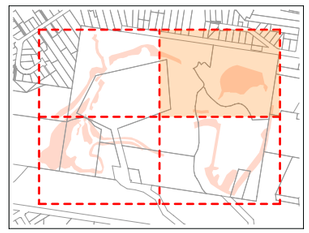
REVISION A

Plotted at : 3:41 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Endemic
- Exotic
- Invasive
- Native
- Extent of canopy as verified by site measure
- T26 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Origin Plan - North East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

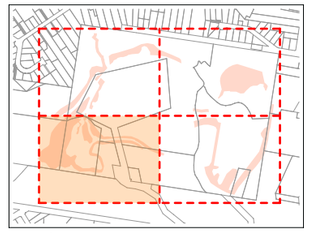
DRAWING NUMBER: T-15
REVISION: A

Plotted at : 3:41 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Endemic
- Exotic
- Invasive
- Native
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

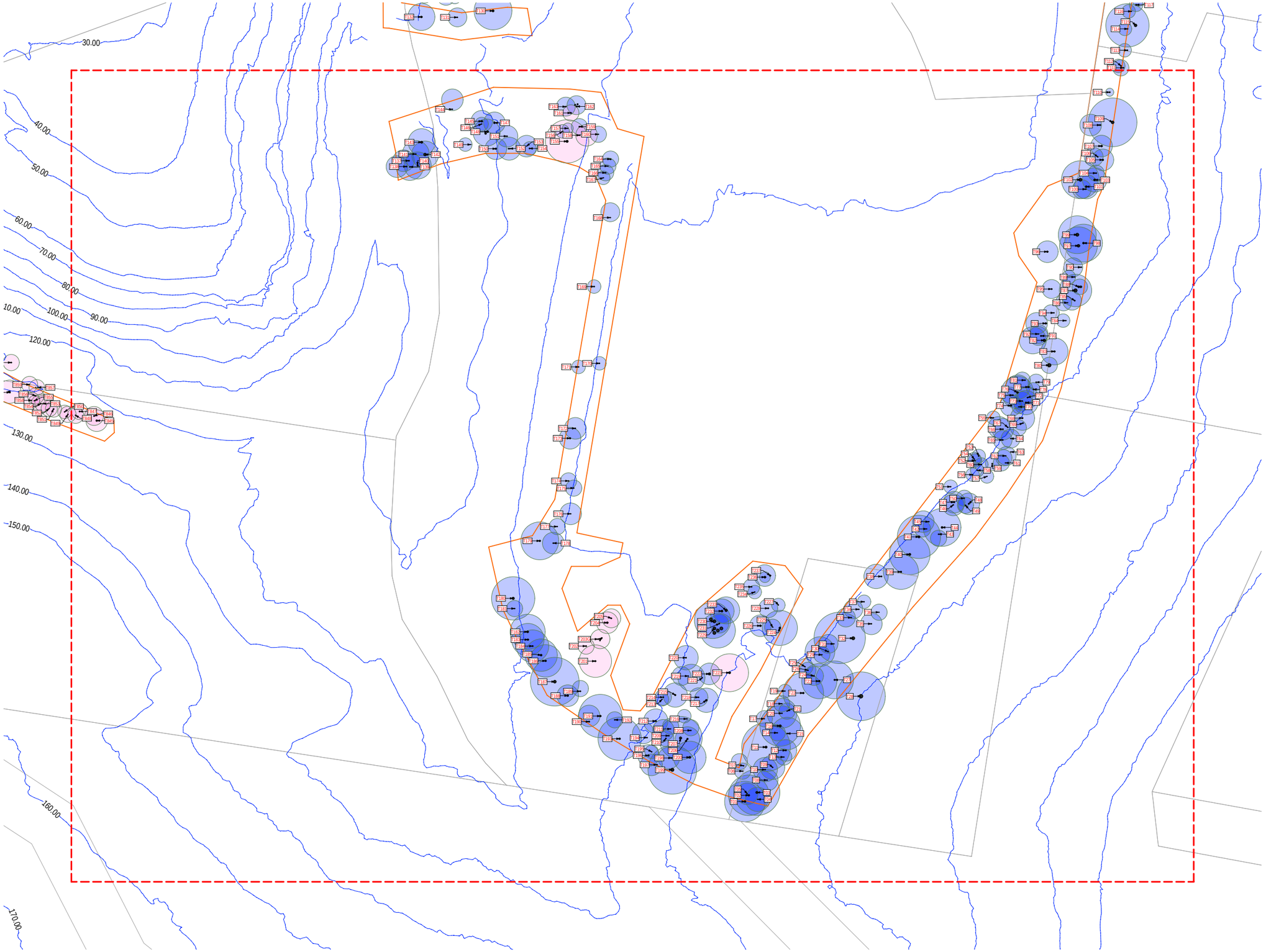
Tree Origin Plan - South West

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

DRAWING NUMBER T-16

REVISION A

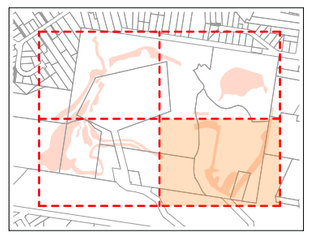
Plotted at : 3:41 pm 22/8/19



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Endemic
- Exotic
- Invasive
- Native
- Extent of canopy as verified by site measure
- T25 — Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Origin Plan - South East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

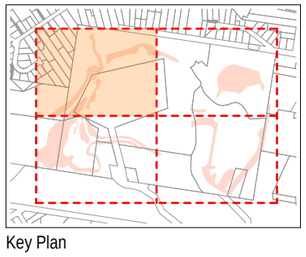
DRAWING NUMBER: T-17 REVISION: A

Plotted at : 3:41 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Potential Habitat Value
- Dead Tree
- Extent of canopy as verified by site measure
- T25 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Habitat Value Plan - North West

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

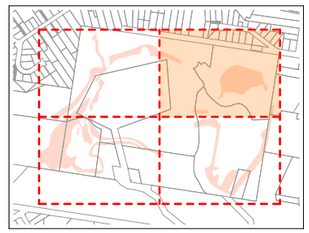
DRAWING NUMBER T-18 REVISION A

Plotted at : 3:42 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Potential Habitat Value
- Dead Tree
- Extent of canopy as verified by site measure
- T28 — Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Habitat Value Plan - North East

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

DRAWING NUMBER T-19

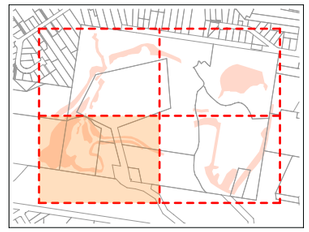
REVISION A

Plotted at : 3:42 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Potential Habitat Value
- Dead Tree
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Habitat Value Plan - South West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

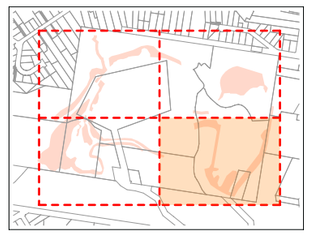
DRAWING NUMBER: T-20 REVISION: A

Plotted at : 3:42 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Potential Habitat Value
- Dead Tree
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

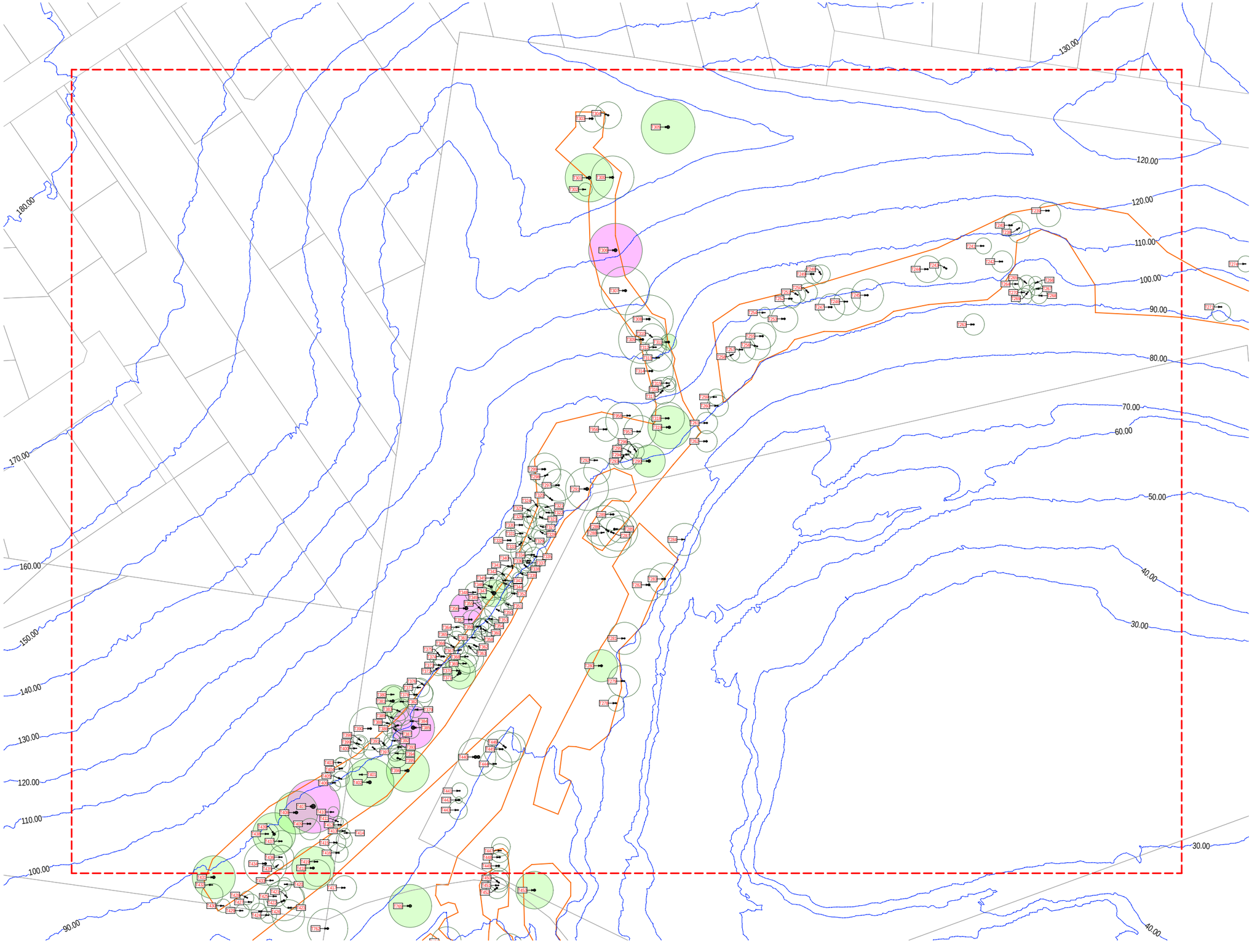
DRAWING TITLE

Tree Habitat Value Plan - South East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-21 REVISION: A

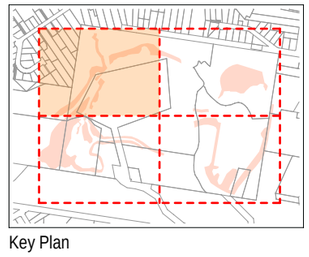
Plotted at : 3:42 pm 22/8/19



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree DBH >0.75m
- Tree DBH >0.99m
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

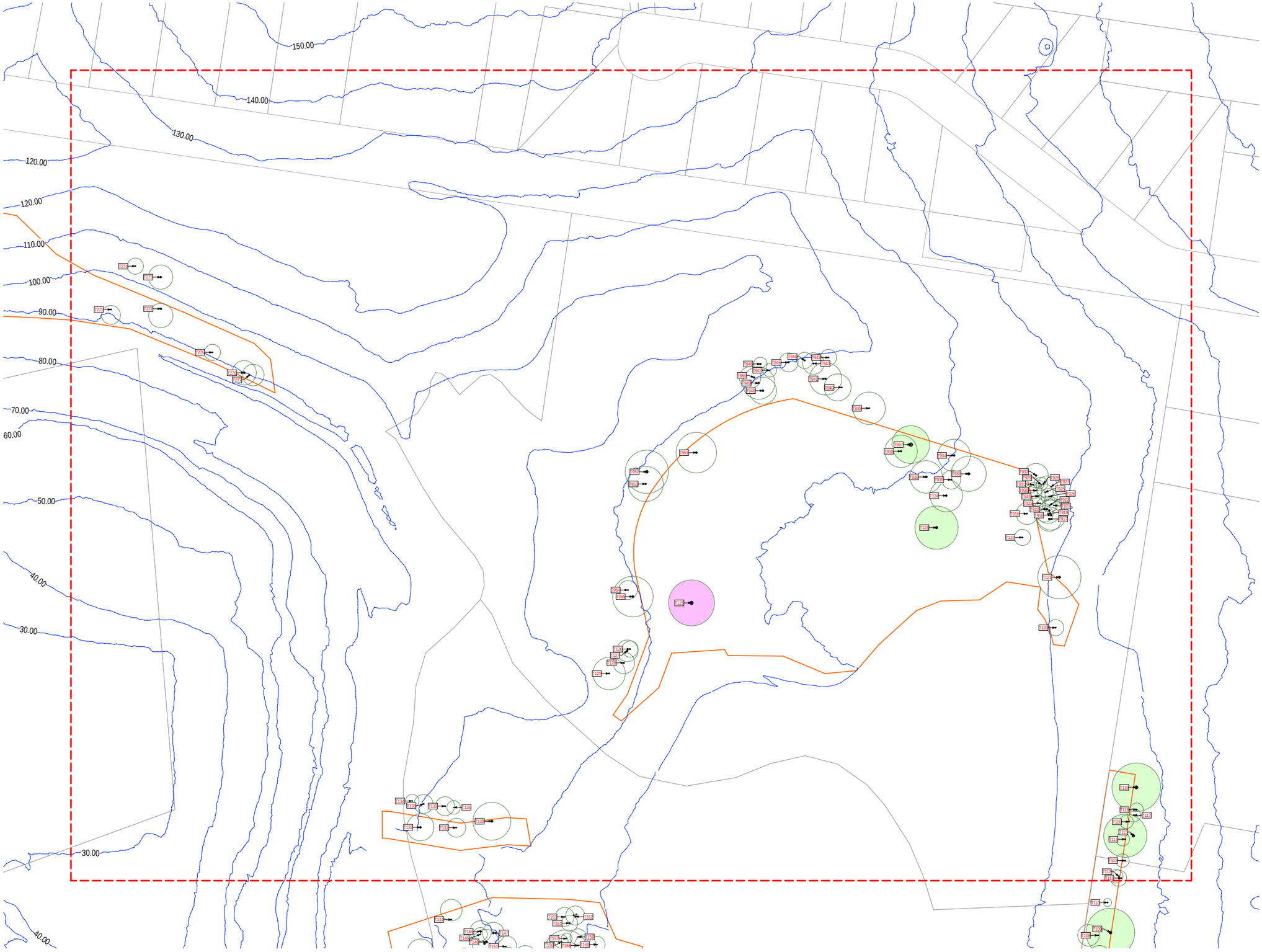
Large DBH Tree Plan - North West

Project No : 19.09
Designed : RWS
Drawn : CLB/SK
Scale : 1:500@A0/1:1000@A2

DRAWING NUMBER T-22

REVISION A

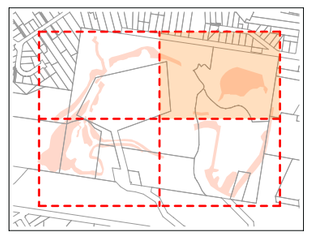
Plotted at : 3:43 pm 22/8/19



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree DBH >0.75m
- Tree DBH >0.99m
- Extent of canopy as verified by site measure
- T28 Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Large DBH Tree Plan - North East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-23

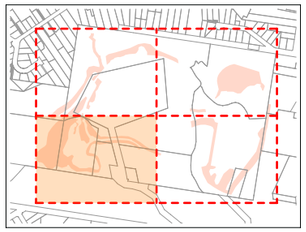
REVISION: A

Plotted at : 3:43 pm 22/8/19

ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree DBH >0.75m
- Tree DBH >0.99m
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

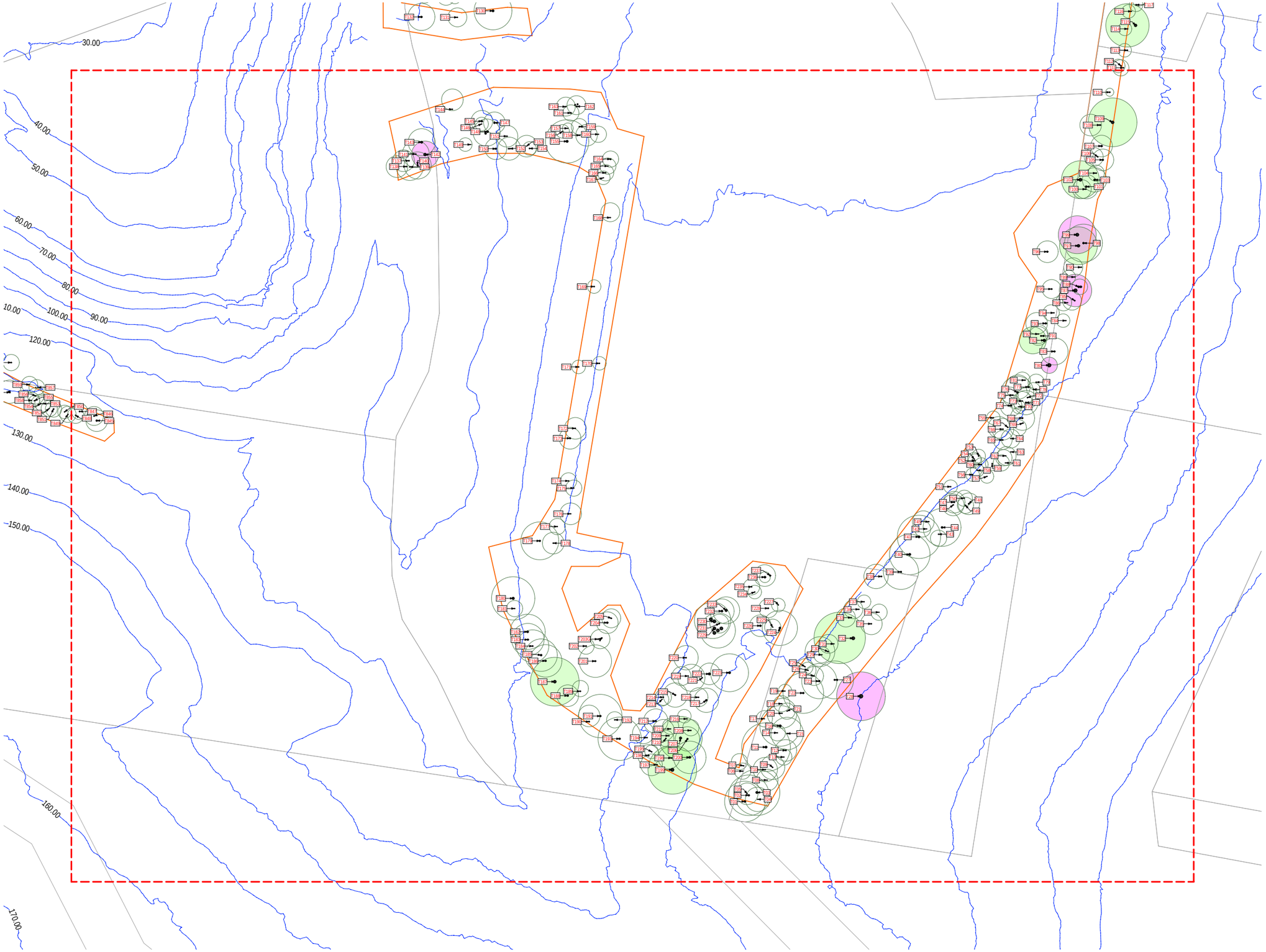
DRAWING TITLE

Large DBH Tree Plan - South West

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-24 REVISION: A

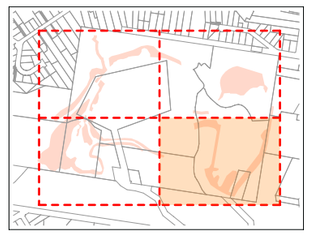
Plotted at : 3:43 pm 22/8/19



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
P 02 9957 2466 **F** 02 9957 3977 **W** ARTERRA.COM.AU

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree DBH >0.75m
- Tree DBH >0.99m
- Extent of canopy as verified by site measure
- Tree Identification Number



Key Plan

0 10 20 50m

REVISION	DESCRIPTION	CHKD	DATE
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Large DBH Tree Plan - South East

Project No	:	19.09
Designed	:	RWS
Drawn	:	CLB/SK
Scale	:	1:500@A0/1:1000@A2

DRAWING NUMBER: T-25

REVISION: A

Plotted at : 3:43 pm 22/8/19