

arboricultural impact assessment report

AIA-01

Revision B, Issued for REF
17 March 2023



PROJECT

Hornsby Park / Hornsby Quarry – Embellishment Works

Quarry Road, Hornsby, NSW 2077

CLIENT / PRINCIPAL

Hornsby Shire Council

296 Peats Ferry Road, Hornsby, NSW, 2077



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i EXECUTIVE SUMMARY

Hornsby Shire Council is in the process of transforming the former quarry into a unique and accessible destination, where the bushland, the quarry walls and a lake will take centre stage. Hornsby Park will cover approximately 59 hectares of bushland and open space and feature a 'Canopy Skywalk', walking tracks, active and passive recreation spaces and water-based recreation opportunities.

Arterra was engaged by Hornsby Shire Council to undertake an arboricultural assessment of the proposed embellishment works surrounding the former Hornsby Quarry and prepare the relevant reports and plans to help assess the tree related impacts and guide the proposed future development. In November/December 2022 Arterra extended on previous tree assessment and survey work around Hornsby Quarry. This expanded on work undertaken in 2019 when Arterra was originally engaged to prepare a tree survey of the trees located in and around the Hornsby Quarry/ Hornsby Park area and prepare the relevant arboricultural reports and plans to help guide the proposed bulk earthworks. The original tree survey was completed in August 2019 and included assessments of **1446** trees. From these, approximately 208 trees have already been removed under the approved bulk earthworks and quarry remediation.

A tree assessment and impact schedule has been completed for the trees within the areas that may be impacted by the Embellishment project. (Refer to Appendix 4.2 – Tree Impact Assessment Schedule). The trees were assessed, identified, positionally surveyed, photographed and given a unique identification number and plotted onto scaled plans for referencing and identification throughout the report and for future discussions and co-ordination with the Council, various authorities, consultants, contractors and other relevant stakeholders.

Following is a summary of the additional trees recorded on the site and some relevant factors regarding the embellishment development below.

- **927 trees** additional trees were surveyed and added to previous tree surveys. Of these additional trees:-
 - **156 (17%)** are recorded with High Condition/Retention Value Rating.
 - **352 (38%)** are recorded with Moderate Condition/Retention Value Rating.
 - **323 (35%)** are recorded with Low Condition/Retention Value Rating.
 - **65 (7%)** are recorded with Very Poor Condition/Retention Value Rating.
 - **31 (3%)** are recorded as standing Dead trees at least a 150mm DBH.

The most significant trees relating to the site are the large and mature endemic trees within the surrounding bushland. These trees are generally to be retained and protected throughout the course of the embellishment project. This current assessment has assumed that minor modifications to the designed location of the boardwalk from the Quarry Road fire trail to the Crusher Plant can be aligned to avoid most of the significant trees and therefore the tree impact assessments have been adjusted to take this into consideration. However, as part of the embellishment works:-

- **320** trees are proposed to be removed.
- **31** trees will require canopy pruning and branch removals.
- **4** trees have impacts that are considered readily rectifiable with minor design alterations.

It is important to note from the above tree related impacts. The vast majority of removals are associated with the Crusher Plant works and are non-endemic and low retention value trees. A break down of the proposed tree removals are summarised below:

- **213 (67%)** as part of the embellishment of the Crusher Plant.
- **46 (14%)** as part of the skywalk.
- **33 (10%)** as part of the Quarry Road to Quarry access driveway work and services.
- **9 (3%)** as part of the Quarry Road fire trail to Crusher Plant boardwalk.
- **14 (4%)** as part of the Southern Access track works.
- **5 (2%)** as part of the green line zig zag stairway from OMV.

Importantly, of the trees to be removed

- **6 (2%)** are Dead trees
- **41 (13%)** are Very Poor Condition/Retention Value Rating
- **179 (56%)** are Low Condition/Retention Value Rating
- **87 (27%)** are Moderate Condition/Retention Value Rating
- **7 (2%)** are High Condition/Retention Value Rating

The **31** trees that require **pruning** are all related to the Canopy Skywalk and generally involve acceptable levels of pruning, particularly when reviewed within a forested bushland setting where less than desirable tree forms are a naturally frequent occurrence.

The pruning will range from very minor through to some larger trees needing a few larger branches removed to facilitate the installation and clearances to the skywalk bridge decks and pylons. This may result in some mishappen trees but this is considered preferable to the total removal of important and large endemic trees. In the author's opinion the foreseeable pruning at this early stage of design is likely to be acceptable and not result in serious negative impacts to the trees. If the pruning was considered excessive then the tree was recommended for removal and is included within those statistics.

There are currently **4 trees** identified with impacts that could be readily rectified with very minor modifications to the current designs and grading. These are primarily associated with some works near higher value trees near the Crusher Plant. Specifically, this relates to **T1456** related to the Skywalk and **T1962, T1978** and **T1982** at the Crusher Plant. During design development, it is expected, this can be adequately addressed and these trees may be retained with acceptable levels of impacts.

The nominal tree protection zones have been calculated for all the trees on the site/ survey area. These zones have been calculated based on the Australian Standard 4970 – Protection of Trees on Development Sites. At this stage they have been calculated 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. Please don't hesitate to contact the undersigned should you require any additional information or interpretation.



Robert Smart AAILA , ISA, AA

Director, Registered Landscape Architect (054), Registered Consulting Arborist (1804).

1.0 INTRODUCTION

1.1 Background

Hornsby Shire Council is in the process of transforming the former quarry into a unique destination, where the bushland setting, quarry walls and the lake will take centre stage. Hornsby Park will cover approximately 59 hectares of bushland and open space and feature a 'Canopy Skywalk', walking tracks, active and passive recreation spaces and water-based recreation opportunities.

In November 2022 Arterra was engaged to extend on previous tree assessment and survey work around Hornsby Quarry. This expanded on work undertaken in 2019 when Arterra was first engaged by Hornsby Shire Council to prepare a tree survey of the trees located in and around the Hornsby Quarry/ Hornsby Park area and prepare the relevant arboricultural reports and plans to help guide the proposed re-development. The original tree survey was completed in August 2019. Following the original work, Council has subsequently requested four additional areas be included within our tree survey:

- Extension 01a: Northern portions of the north spoil mound.
- Extension 01b: Drainage areas east of the haul road above the eastern diatreme slopes.
- Extension 01c: North-eastern knoll area previously surveyed by Council surveyors and Dennis Marsden.
- Extension 02: An area at the intersection of the Southern Access Track and Quarry Road, near but below the Crusher Plant.
- Extension 03: The areas potential impacted by the Quarry embellishment works related to the Skywalk, various boardwalks and trails and the Crusher Plant itself.

This report covers primarily the area described as Extension 03 for the skywalk, boardwalk and crusher plant extension. Between 24 November and 8 December 2022, Arterra and LTS surveyors attended site, positionally surveyed and assessed the additional trees within the identified areas using the same criteria as the original survey work.

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 the Hornsby CBD and is accessed from both Quarry Road and Bridge Road. The area of the old Quarry site and Old Man's Valley (OMV) is approximately 40 hectares. Refer to the site Location Plan – Figure 1.

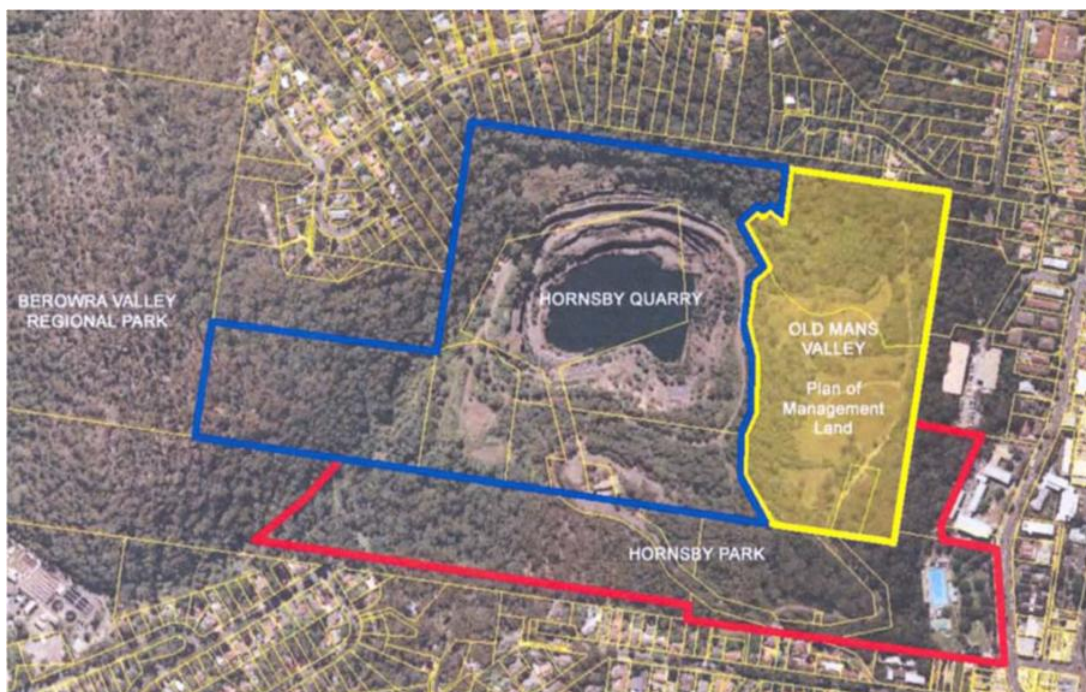


Figure 1 – Context and demarcation of Hornsby Park, Hornsby Quarry and Old Mans Valley. (Source: Hornsby Shire Council 2019)

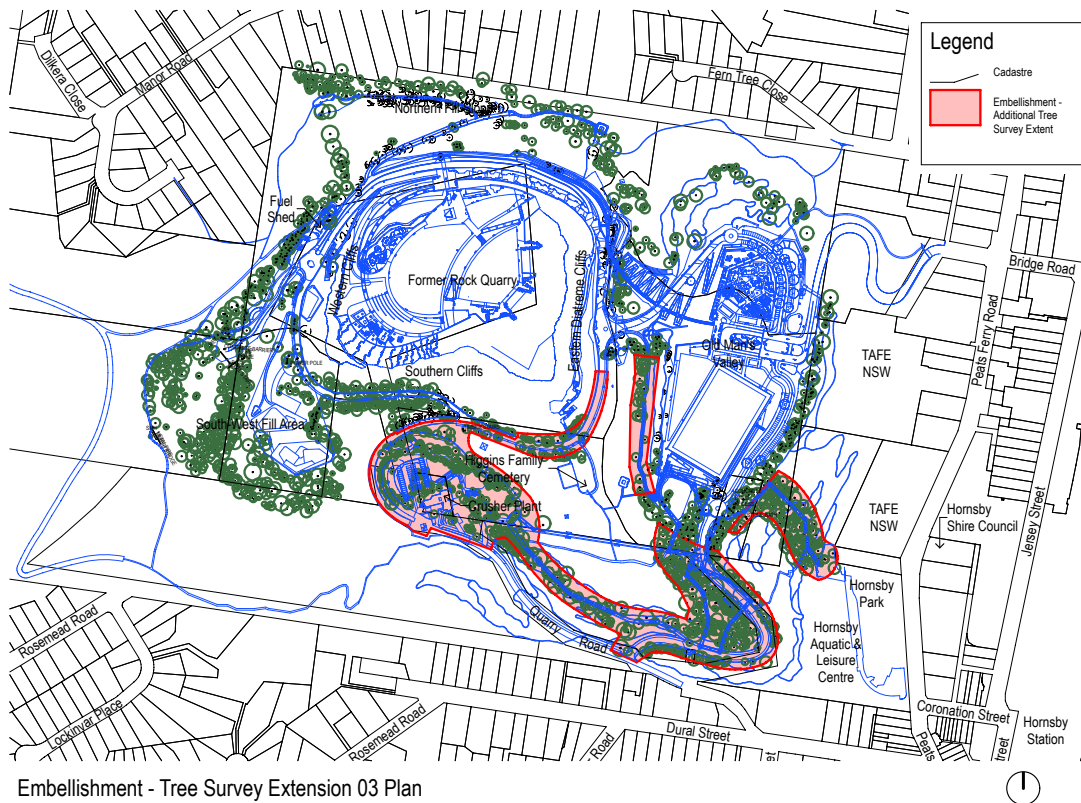


Figure 2 – Location and extent of additional area where tree survey has been extended. (Source: Arterra, December 2022)

Arterra was engaged to complete an arboricultural assessment of the trees within portions of the site, being an area of approximately 5.9 hectares (59,575m²). This area is potentially impacted by proposed major construction and minor 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 red in Figure 2. 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 wider site that are unlikely to be impacted, are not addressed as part of this report or the survey.

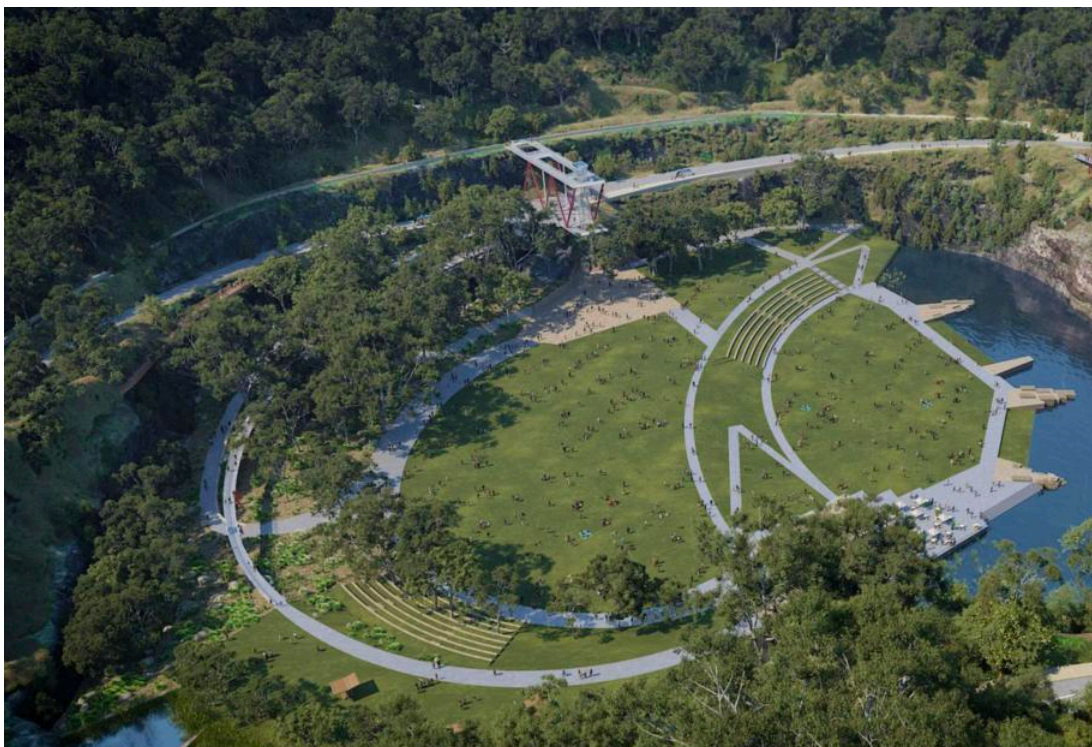


Figure 3 – Artists impression of the proposed completed embellishment of Hornsby Quarry looking north across the existing quarry void. (Source: Arterra Interactive / Cloustons/ Landscape Australia accessed from the internet 17 December 2022)



Figure 4 – View from the western side of the now abandoned Hornsby Quarry looking east towards Old Mans Valley. (Photo: Arterra 25 July 2019)

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 embellishment works to redevelop and rehabilitate the site into a valuable regional resource. This initial 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 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 final design and construction and
- provide initial high level 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 an initial review document: intended to provide guidance to the consent authority, designers and engineers. It may be necessary to make adjustments once the nature and full extent of the proposed site works are known and fully designed.
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 disturbances 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 tree 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 previously 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 and Arterra 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 are 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 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 ongoing assessment, tree health or stability.

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, but 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 left undisturbed 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.

"TPA" = Tree Protection Area

Although based on the nominal TPZ above, this is a consolidated and often simplified area to be applied during construction for tree protection. This area is often shaped to deal with practical construction realities whilst maintaining appropriate protection of the nominal TPZ (i.e fencing a nominal circular TPZ can be difficult and impractical. TPA areas often define a square or rectangular shape which includes the area calculated as the nominal TPZ). It often amalgamates and simplifies tree protection zones, particularly when they are overlapping and can be amended for items such as buildings, walls, pathways and existing fences. It also protects areas that are contiguous to the calculated nominal TPZ, which are to be applied when the nominal TPZ is not completely circular due to structures potentially impeding root growth, or when there is an incursion calculated within the TPZ.

"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 within which the woody roots and soil cohesion are considered vital to the structural stability of the tree. Disturbance, damage or removal of soil and roots within 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.

Non-Destructive Digging

This is the process of safely excavating the ground surface to minimise the risk of damage to existing tree roots. This method is used to map and locate existing tree roots within the TPZ and/or SRZ and helps to guide and inform the installation and/or construction of proposed services and/or structures which are in close proximity to retained trees. This is often achieved through hand digging using a shovel, trowel and/or fork with care not to damage the bark and wood of any roots. Compressed air (air spade) or water vacuum extraction are appropriate non-destructive alternatives to hand digging. When this work occurs within a TPZ and/or SRZ of a tree to be retained, a consulting arborist should always be present to monitor the works. Alternatively services can be installed via under boring at a depth of not less than 1.2m below existing ground levels, when passing the tree(s).

Inclusion or Included Bark Branch Union

Growth of bark at the interface of two or more branches on the inner side of the branch union which is unable to be lost from the tree and accumulates, or is trapped, between the acutely divergent branches. This can form a weakened branch union in some species.

Epicormic Growth

Juvenile shoots produced along branches or trunks from dormant or latent buds concealed beneath bark. Production can be stimulated by fire, pruning, wounding or root damage and may also be an indicator of tree stress or decline.

LiDAR

This is an acronym for Light Detection and Ranging. Also known as 3D laser scanning, this technology provides extremely precise control and visualisation through scanning and creation of 'digital point clouds' of three dimensional objects such as trees, buildings and terrains.

1.6 Assessment Methodology

Most original tree survey work was completed back in August 2019. For the embellishment extension Arterra's team consisting of an AQF5 consulting arborist and arborist assistant attended the site for several days over the period 24 November 2022 to 8 December 2022 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 portion of the site was the subject of this tree survey, assessment and report. The survey extent is shown in Figure 2. 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'. Those 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 significant differences were found.

Once tree positions were plotted and assessed against the proposed designs Robert Smart from Arterra attended the site to re-walk the route of the proposed Skywalk and reconfirm anticipated and potential tree pruning. This was done via a visual inspection from the ground and using the two-point clinometer function of a Nikon Forestry Pro laser range finder to verify approximate heights of branches and the likely impacts from the Skywalk bridge decks.

Desktop Review and Research

Digital AutoCAD files of the surveyed trees were imported into Arterra's standard CAD software (ArchiCAD v24). 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. This was then overlaid with proposed site designs to allow impact assessment and conflicts between trees and the proposed designs to be analysed.



Figure 5 – 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 recorded, assessed and identified by the consulting arborist to maintain consistency, accuracy of recording and tree identification numbering throughout. (Photo: Arterra 7/12/22)

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 and as requested by Hornsby Council. 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' values of the trees was determined based on a considered combination of the size, age, condition and suitability of the tree. The categories were nominated by Council.

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, 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 relatively 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 $12 \times$ (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.

1.9 What is Being Proposed and The Key Documents Reviewed

Hornsby Shire Council is in the process of transforming the former quarry into a unique destination, where the bushland setting, quarry walls and the lake will take centre stage. Hornsby Park will cover approximately 59

hectares of bushland and open space and feature a 'Canopy Skywalk', walking tracks, active and passive recreation spaces and water-based recreation opportunities.

The Embellishment Masterplan for a new public park has been designed by Clouston Associates in collaboration with Hornsby Shire Council. The former quarry void will form the heart of the park, with plans envisioning the establishment of a major green space along the quarry's west wall with a sweeping all access path that descends from the quarry's edge down to a large lawn, informal amphitheatre and freshwater lake beneath the cliffs. Other features include lookouts, a wetlands cascade, a lakeside amenities building and a major lift on the quarry's north wall that will provide equitable and universal access to the quarry base.

Plans for the Old Mans Valley (OMV) parkland directly adjoining the quarry also form part of the Master Plan. This part of the site will function as a gateway into the parkland as a whole and will be directed toward community needs, with multi-use fields, sports buildings and an accessible tree top skywalk that will offer a dramatic entry from Peats Ferry Road to the Old Mans Valley site.

The existing Hornsby Park on Peats Ferry Road will become the entry way to the new Hornsby Park. Existing paths and stairs including the Heritage Steps will link the site to the Berowra Valley National Park. Other aspects of the masterplan are the South-West Precinct which is identified as a site for potential educational bushland and eco-stay accommodation and adventure recreation in the longer-term, and the old Crusher Plant which will recognise the heritage value of the quarry through preservation of the historical buildings on the site.

The primary areas that have been a focus of this tree impact assessment are summarised as:-

- A **Tree Canopy Skywalk** which includes above ground structures and various pylons and supports aimed at minimising disturbances and impacts at ground level.
- **Roadworks** such as the drainage and infrastructure associated with the access driveways and roadways such as the Quarry Rd extension and the south-eastern Access Driveway from Quarry Road to Old Mans Valley.
- A **Lower Level Boardwalk** from Pylon 12A of the Skywalk and the OMV access driveway/Quarry Rd existing firetrail through to the Crusher Plant.
- **The Crusher Plant Embellishments** and associated earthworks and grading.
- Various **Minor Trails, Bird Hides** and Pedestrian Connections.
- **The Quarry Void and OMV and The Other Major embellishment** works. These are largely contained within the Quarry Void and Old Mans Valley. These areas are largely devoid of existing trees. Any trees that are present are already largely covered by the tree removals and the works that were undertaken for the bulk earthworks/ Quarry remediation.



Figure 6 – Extract from Canopy Skywalk and Cable Way Design Intent illustrating the style and scale and general construction intent for the Skywalk. (Source: Extract of Clouston Plans 30 September 2022)



Figure 7 – Extract of current Embellishment Master Plan. (source: Extract of Clouston Plans 30 September 2022)

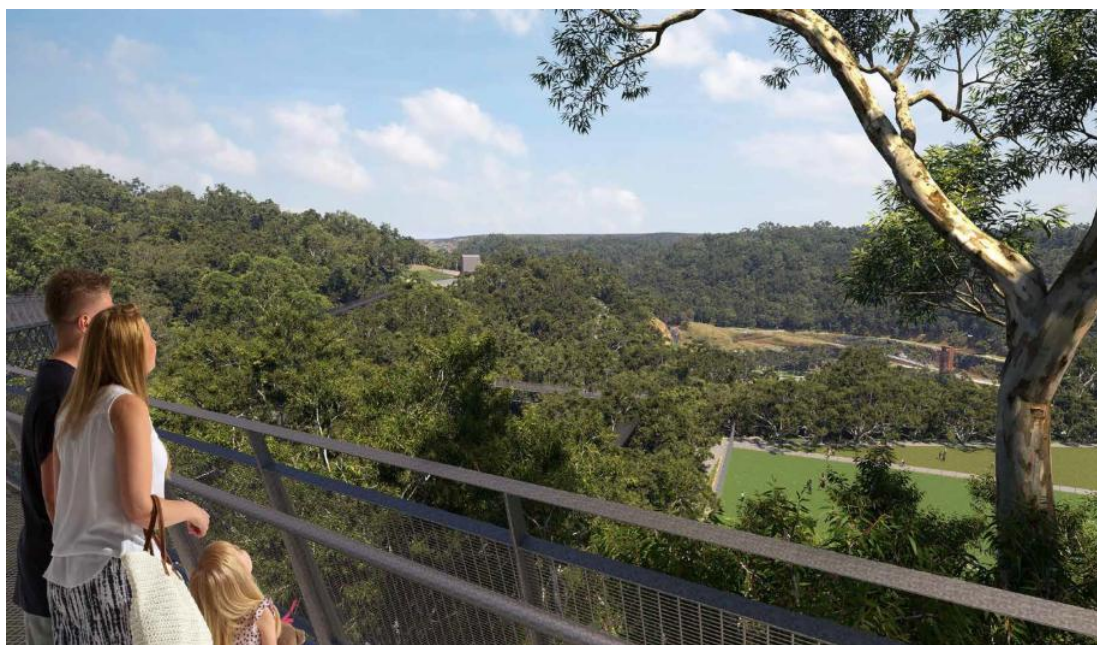


Figure 8 – Extract from Canopy Skywalk and Cable Way Design Intent documents illustrating the style and scale and general construction intent for the Skywalk. IN many locations the skywalk structure will be elevated to be well within or even above the canopy of the existing trees. (Source: Extract of Clouston Plans 30 September 2022)

Plans and documents that were referenced and reviewed as part of this tree impact assessment were:-

Clouston Associates – Landscape Architects:-

- Hornsby Park Embellishment -Canopy Skywalk and Cable Way Design Intent – Issue A Dated 29/07/2022
- Hornsby Park Embellishment Landscape Drawings for REF and Tender Issue Issue A Dated 30/09/2022
 - Volume 01 – General Landscape Drawings for REF
 - Volume 02 – Overall Site Landscape Drawings for REF

- Volume 03 – Old Mans Valley Landscape Drawings for REF
- Volume 04 – Quarry Landscape Drawings for REF
- Volume 05 – Quarry West Landscape Drawings for REF
- Volume 06 – Skywalk Landscape Drawings for REF
- Volume 07 – Circulation Landscape Drawings for REF
- Volume 08 – Northern Mound Landscape Drawings for REF
- Volume 09 – Crusher Plant Landscape Drawings for REF
- Volume 10 – Landscape Details for REF
-

Arterra Design:-

- Pre-development Tree Assessment Report, Rev. A, Issued 22/8/2019
- Supplement to Pre-development Tree Assessment Report – Rosemead Trail, Issued 2/10/2019
- Supplement to Pre-development Tree Assessment Report – Northern Fill Slopes, Issued 8/7/2020
- Supplement to Pre-development Tree Assessment Report – Marsden Survey, Issued 28/7/2020
- Supplement to Pre-development Tree Assessment Report – SAT Extension, Issued 18/11/2021

TTW Engineers:-

- Hornsby Park Embellishment Works – Civil Works Package – Issued for Tender dated 29/09/2022

1.10 Site Location, and Brief History and Context

The site operated as a quarry under private ownership from 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://friendsberowravally.org.au/html/landscape_-_hornsby_quarry.html accessed 19.08.2019)



Figure 9 – Site context and demarcation of the total 'Tree Survey Area' as identified by Council prior to undertaking the tree assessments. (Source: Arterra December 2022)

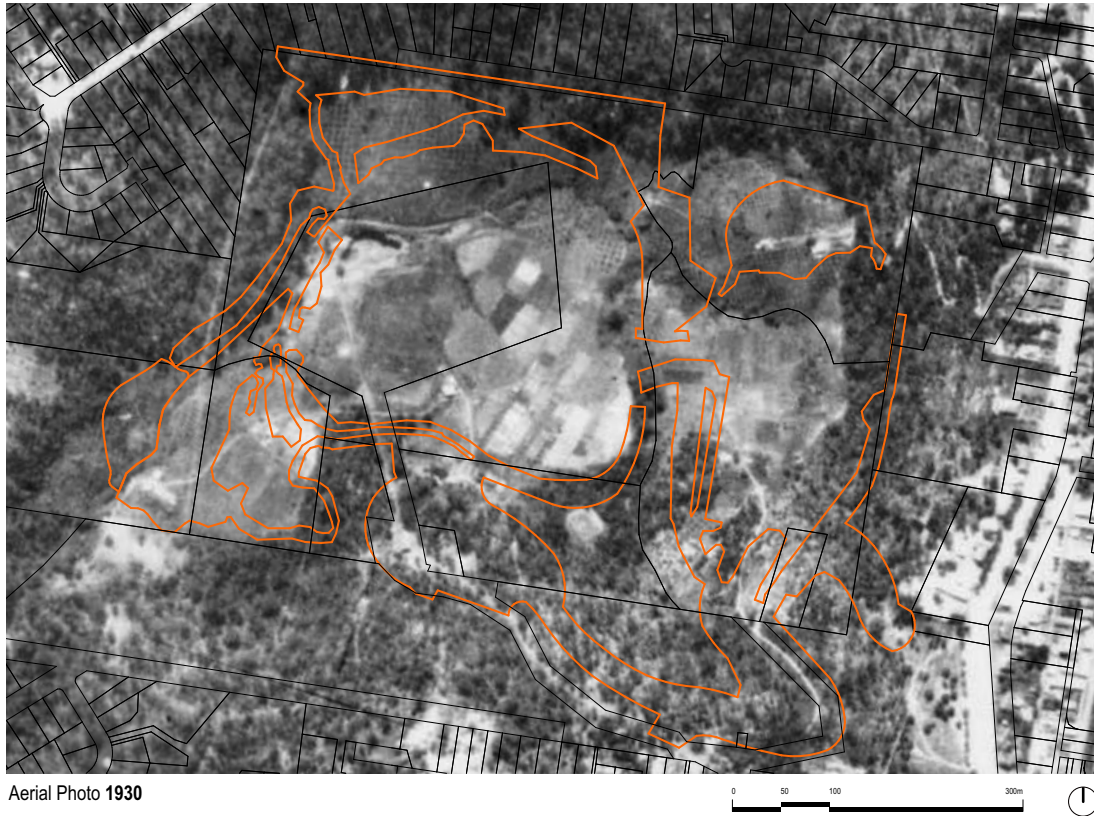


Figure 10 – The site in 1930 overlaid with the 'Tree Survey Area'. (Source: Arterra December/ NSW Spatial Services 2022)

Council compulsorily acquired the Quarry in 2004, under a decision handed down by the NSW Supreme Court when then owners, CSR Construction Materials, ceased all operations on the site. More recently the Quarry has been partially filled-in using in excess of 1million cubic metres 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 the original 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 are also scattered throughout the site.

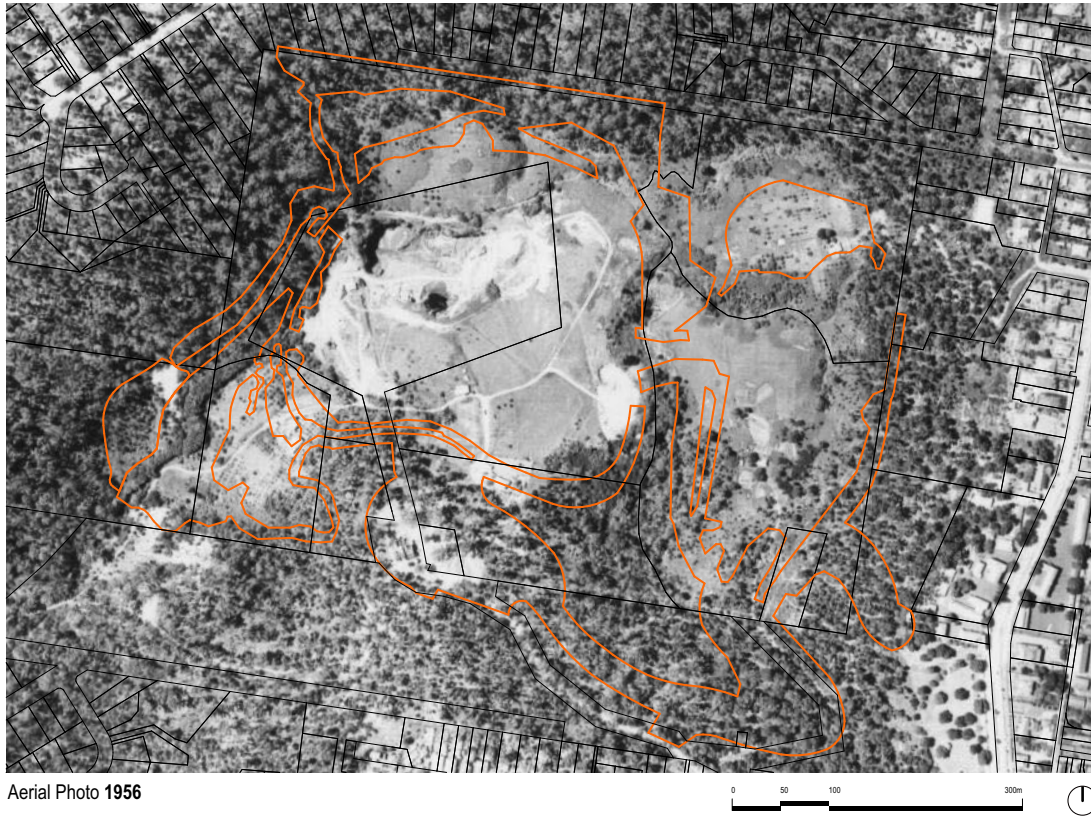


Figure 11 – The site in 1956 overlaid with the 'Tree Survey Area'. (Source: Arterra December/ NSW Spatial Services 2022)

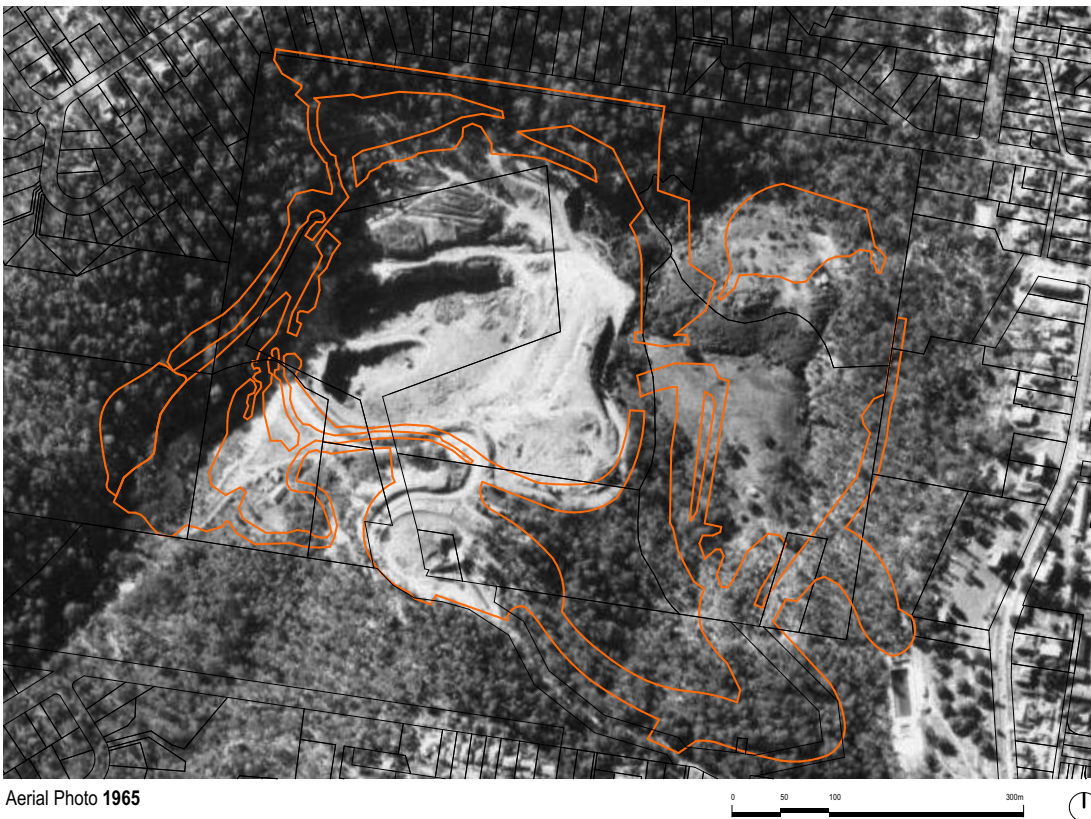
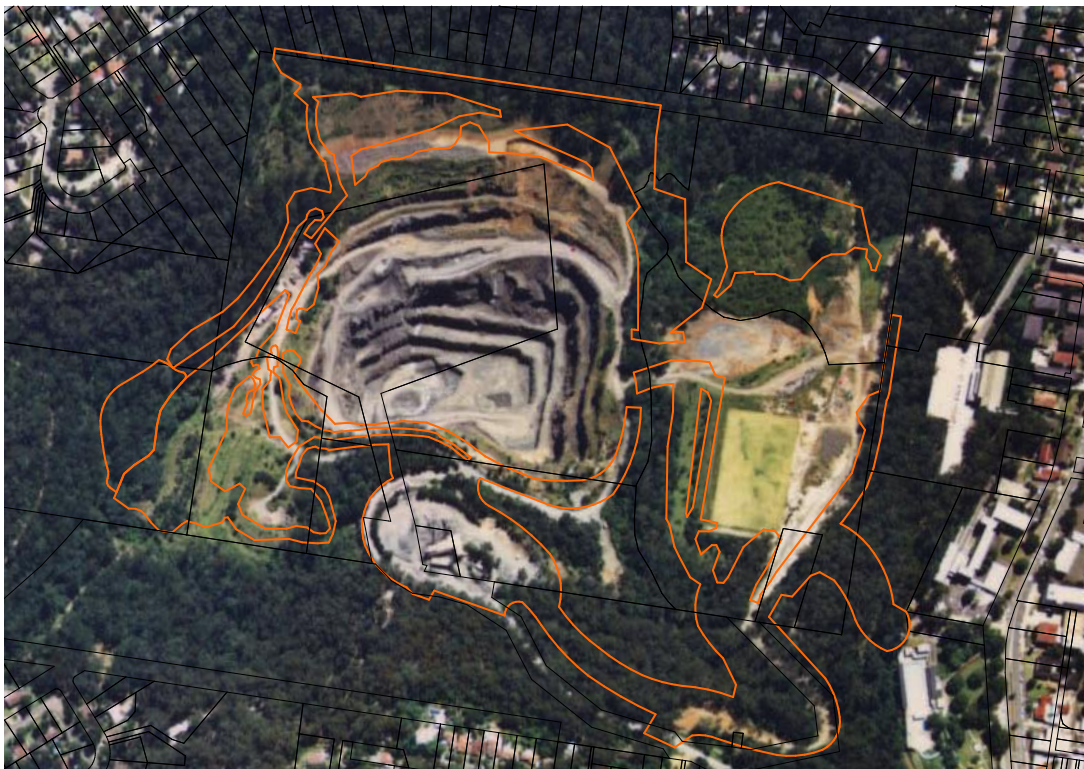


Figure 12 – The site in 1965 overlaid with the 'Tree Survey Area'. (Source: Arterra December/ NSW Spatial Services 2022)



Aerial Photo 1972

Figure 13 – The site in 1972 overlaid with the 'Tree Survey Area'. (Source: Arterra December/ NSW Spatial Services 2022)



Aerial Photo 1989

Figure 14 – The site in 1989 overlaid with the 'Tree Survey Area'. (Source: Arterra December/ NSW Spatial Services 2022)



Figure 15 – 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 associated with this area are Blue Gum/Blackbutt/Smooth-barked Apple Moist Shrubby Open Forest and Blackbutt Gully Forest. The first assemblage is a community that is often more broadly described as Blue Gum High Forest. Blue Gum High Forest 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) are the dominant trees, with the Blue Gums often favouring the moist lower slopes and Blackbutts more prevalent on the midslopes and ridges. The midstorey and understorey tree species would have been dominated by *Angophora costata*, *Angophora floribunda*, *Eucalyptus globoidea*, *Allocasuarina torulosa*, *Allocasuarina littoralis* and *Syncarpia glomulifera*. (Benson and Howell, 1995). Blackbutt Gully Forest, although not endangered, is considered a locally significant vegetation community in the Hornsby Shire.



Figure 16 – The site contains numerous significant and impressive endemic trees such as this Blackbutt (*Euc. pilularis*) which often stand well in excess of 30m 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 November 2022)

As previously stated, the primary purpose of the tree survey and following assessment was to accurately locate and identify the trees that may be potentially impacted by proposed future embellishment works, so that Council can then take an informed and proactive approach to the management of the trees. Arterra has identified, tagged and carried out an 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.

2.0 KEY TREE MANAGEMENT FINDINGS & OBSERVATIONS

2.1 Tree Assessment – Species and Conditions

The original tree surveys and subsequent initial extension areas had positioned and assessed **1446** trees. As part of the latest survey extension for the Review of Environmental Factors for the Embellishment Works an additional **927** trees were assessed and positionally surveyed. This represents a total of **2373** trees identified around the quarry margins.

Approximately 208 trees out of this total have already been removed or approved to be removed as part of approvals for the Quarry bulk earthworks and remediation works. These are illustrated on plans but are not further calculated or discussed. These **have not** been further calculated or considered as part of this assessment. Only trees directly associated with the embellishment works and that still exist have been analysed and presented within this report and schedules.

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 4.2 – Hornsby Quarry - Tree Assessment Schedule. There are many very significant and endemic trees located in the new additional survey area. The dominant species observed and recorded were:

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

Apart from the River She-Oak, the other 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/ Crusher Plant 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.

2.2 The Proposed Embellishment Development

The proposed building and embellishment development will result in a major site disturbance. Specifically, the Embellishment works will involve:-

- Major demolition and earthworks;
- Use of large scale civil and earthmoving equipment;
- Access to and from the site with large trucks and construction plant;
- Major excavations;
- Stockpiles/ storage of building materials;
- Re-grading and filling of the surface levels;
- Trenching for services;
- Major building works involving concreting, painting and general construction;
- Use of large cranes;
- Parking for site personnel and deliveries;
- Paving and retaining walls and
- Landscaping.

Key Assumptions:-

- The line of disturbance outside of the buildings or landscape structures has been typically estimated at 1.5-2.0m from the outer face of the construction to allow for provision of services, construction access and feathering out of grades during construction.
- That the Skywalk is a professionally designed and installed series of prefabricated structures with minimal on site construction and a footprint at the pylon and ground interface of around 2.5mx2.5m. It is assumed Skywalk sections will be craned into position using very large cranes and from existing access roads and tracks. Geotechnical testing, excavations, rock anchors and the like will be drilled with very small-scale equipment. This assumption is based on currently documented information from the design team including Clouston Associates documentation package Volume 10 – Landscape

Details for REF (particularly the Structures – Skywalk Tender Issue dated 30/09/22) and Canopy Skywalk and Cableway Design Intent Package Issue A dated 29/07/22. It is a reasonable assumption that this information and compliance with this intent will be used as a key driver in the selection process of suitable Contractors for this work.

- All new services for the buildings and landscape will be routed to be clear of any retained trees nominated TPAs.
- All construction access and deliveries are to be made from existing roads and tracks. Concrete will typically be pumped and will not require any truck movements through TPAs.
- Where no spot levels or new contours are indicated it is assumed that the existing surface levels are retained.
- It is assumed that any new landscape grading within the TPAs will be minimal.



Figure 17 – Blackbutt and Angophora dominated forest below the Hornsby Pool. (Source: Arterra 24/11/22)



Figure 18 – Blackbutt and Angophora dominated forest along the fire trail off Quarry Rd leading to OMV. (Source: Arterra 25/11/22)

2.3 Statistical Analysis of Additional Trees Within Embellishment Area

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

relevant ratings and other factors. The Tables following provide an overview and summary of the additional 927 trees surveyed as part of Extension 03.

Table 1 – Population of the Additional Trees Surveyed by Species and Respective Condition Ratings

Species	Common Name	1 Dead	2 Very Poor	3 Low	4 Mod	5 High	Total Trees	% of Population
<i>Casuarina cunninghamiana</i>	River She-Oak	1	31	195	74		301	32%
<i>Eucalyptus pilularis</i>	Blackbutt	20	5	17	65	97	204	22%
<i>Syncarpia glomulifera</i>	Turpentine	1	2	15	121	26	165	18%
<i>Angophora costata</i>	Smooth-barked Apple	4	10	44	41	2	101	11%
<i>Eucalyptus saligna</i>	Sydney Blue Gum			5	17	23	45	5%
<i>Eucalyptus resinifera</i>	Red Mahogany	1	2	10	6	3	22	2%
<i>Allocasuarina littoralis</i>	Black She-Oak	1	3	6	5		15	2%
<i>Corymbia gummifera</i>	Red Bloodwood	3	2	9			14	2%
<i>Angophora floribunda</i>	Rough-barked Apple			1	8	3	12	1%
<i>Casuarina glauca</i>	Swamp She-Oak		2	9	1		12	1%
<i>Allocasuarina torulosa</i>	Forest Oak		1	4	2		7	1%
<i>Eucalyptus microcorys</i>	Tallowood			1	4		5	1%
<i>Eucalyptus acmenoides</i>	White Mahogany		2		2		4	<1%
<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle		3				3	<1%
<i>Pinus elliotii</i>	Slash Pine		1	1			2	<1%
<i>Eucalyptus robusta</i>	Swamp Mahogany			2			2	<1%
<i>Livistona australis</i>	Cabbage Palm					2	2	<1%
<i>Banksia serrata</i>	Old Man Banksia				2		2	<1%
<i>Eucalyptus viminalis</i>	Ribbon Gum				1		1	<1%
<i>Acmena smithii</i>	Lilly Pilly				1		1	<1%
<i>Corymbia maculata</i>	Spotted Gum			1			1	<1%
<i>Eucalyptus botryoides</i>	Bangalay			1			1	<1%
<i>Acer negundo</i>	Box Elder			1			1	<1%
<i>Eucalyptus piperita</i>	Sydney Peppermint				1		1	<1%
<i>Pittosporum undulatum</i>	Sweet Pittosporum				1		1	<1%
<i>Phoenix canariensis</i>	Canary Island Date Palm		1				1	<1%
<i>Grevillea robusta</i>	Silky Oak			1			1	<1%
Grand Total		31	65	323	352	156	927	100%

Table 2 – Summary of Population by Tree Condition Rating Value

Condition Rating Value	Number of Trees	% of Population
5 High	156	17%
4 Moderate	352	38%
3 Low	323	35%
2 Very Poor	65	7%
1 Dead	31	3%
Total Population	927	100%

Table 3 – Summary of Population by Origin

Species Origin	Number of Trees	% of Population
Endemic (to local area)	596	64%
Native (wider Sydney or Australia)	326	35%
Non-native / Exotic	1	<1%
Invasive / weed	4	<1%
Total Population	927	100%

Table 4 – Summary of Population – ‘High’ Condition Rating Value by the Species

Tree Species	Common Name	# of Trees	% of High Value Population
<i>Eucalyptus pilularis</i>	Blackbutt	97	62%
<i>Syncarpia glomulifera</i>	Turpentine	26	17%
<i>Eucalyptus saligna</i>	Sydney Blue Gum	23	15%
<i>Angophora floribunda</i>	Rough-barked Apple	3	2%
<i>Eucalyptus resinifera</i>	Red Mahogany	3	2%
<i>Livistona australis</i>	Cabbage Tree Palm	2	1%
<i>Angophora costata</i>	Smooth-barked Apple	2	1%
	Total of High Value	156	100.00%

Table 5 – Summary of Population by Trunk (Diameter at Breast Height)

DBH Range	Number of Trees	% of Population
= or >1.00m	12	1%
0.75m – 0.99m	45	5%
0.15m-0.74m	870	94%
Total Population	927	100.00%

Table 6 – Summary of Population by Age Class

Age Class	Number of Trees	% of Population
Mature	846	91%
Semi-mature	30	3%
Dead	31	3%
Over-mature	14	2%
Senescent	6	1%
Total Population	927	100.00%

Most of the trees surveyed (596 trees or 64%) in this extension are locally endemic species with the exception of the *Casuarina cunninghamiana* (River She-Oak) (which represent 301 trees or 32%) which is a native to the broader Sydney region but would not normally be expected to be found around the Hornsby Quarry area. Most of these Casuarinas appear intentionally planted along the southern higher slopes and the road edges near the Crusher Plant and from these, numerous specimens have self-sown over the last few decades. The *Casuarina cunninghamiana* (River She-Oak), although a broadly Sydney native species, it is not a component of the locally endemic, critically endangered environmental community, Blue Gum High Forest of the Sydney Basin Bioregion nor typically found within the surrounding Blackbutt forests.



Figure 19 – Introduced *Casuarina* dominated Planting around the Crusher Plan. (Source: Arterra 2/12/22)

Privets remain a very prevalent species across the site making up the vast majority of the under-storey trees and shrubs in the survey area, apart from the area below the Hornsby Pool which is relatively free of Privet.

In the author's opinion, the most significant High value trees in these additional portions of the site should ideally be considered a material constraint to any proposed construction for the Skywalk and Crusher Plant boardwalks, particularly any larger *Eucalyptus pilularis* (Blackbutt), *Eucalyptus saligna* (Sydney Blue Gum) and the better quality *Syncarpia glomulifera* (Turpentines).

2.4 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 to minimising construction related impacts. Severing of roots within the Structural Root Zone (SRZ) can also lead to potentially unsafe instability of the tree as a structure.

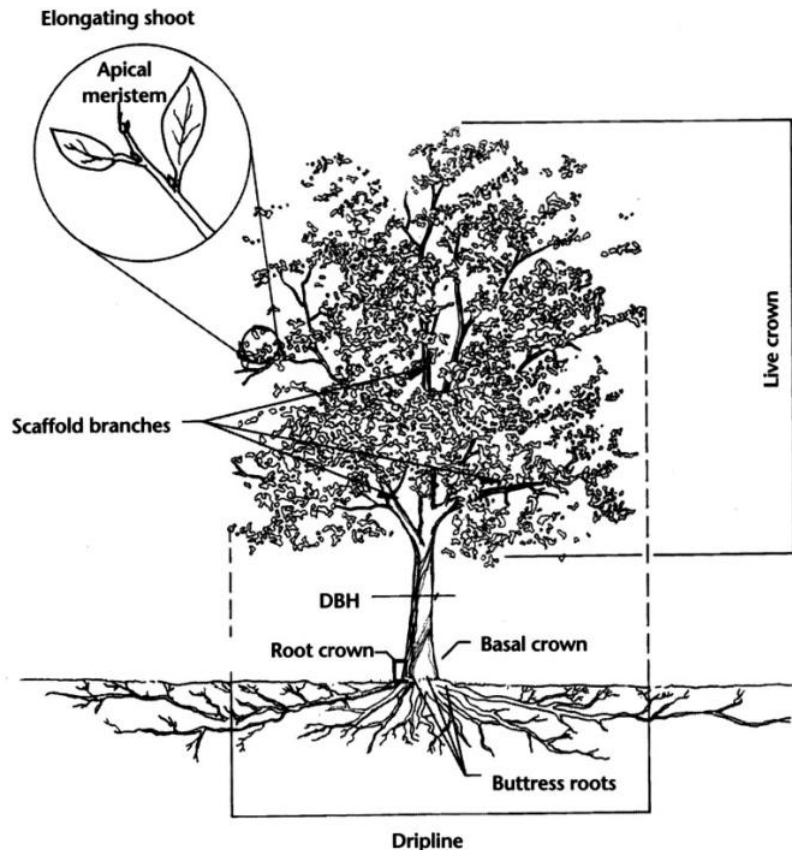


Figure 20 – Typical form and structure of a tree illustrating the typical form, location and extent of root growth (Source: Matheny and Clark, 1998)

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 $[CO_2 + H_2O + \text{light} = \text{sugar } (CH_2O \text{ [Glucose]}) + O_2]$

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 that 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 effects 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 grow 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.

2.5 Tree Impact Assessment Generally

The intention of this assessment is to clearly illustrate the trees to be retained and removed as part of the development. It is also to determine any incursions into the retained trees’ root zones and canopies by the proposed development and evaluate the likely impact of the proposed works on the trees. A detailed listing of the likely and foreseeable impacts of the proposed development on each tree is shown in Appendix 4.2 – Tree Impact Assessment Schedule.

Following is a summary of the trees found on the site and some relevant factors regarding development are summarised below.

- **927 trees** additional trees were surveyed and added to previous tree surveys. Of these additional surveyed trees:-
 - **156 (17%)** are recorded with High Condition/Retention Value Rating.
 - **352 (38%)** are recorded with Moderate Condition/Retention Value Rating.
 - **323 (35%)** are recorded with Low Condition/Retention Value Rating.
 - **65 (7%)** are recorded with Very Poor Condition/Retention Value Rating.
 - **31 (3%)** are recorded as standing Dead trees at least a 150mm DBH.

The most significant trees relating to the site are the large and mature endemic trees. These trees are generally to be retained and protected throughout the course of the embellishment project. This current assessment has assumed that minor modifications to the designed location of the boardwalk from the Quarry Road fire trail to the Crusher Plant can be undertaken and aligned to avoid most of the significant trees and therefore the assessments have been adjusted to take this into consideration. However, as part of the embellishment works:-

- **320** trees are proposed to be removed.
- **31** trees will require canopy pruning and branch removals
- **4** trees have impacts that are considered readily rectifiable with minor design alteration

It is important to note from the above tree related impacts. The vast majority of removals are associated with the Crusher Plant works. A break down of the proposed tree removals are summarised below:

- **213 (67%)** as part of the embellishment of the Crusher Plant.
- **46 (14%)** as part of the skywalk.
- **33 (10%)** as part of the Quarry Road to Quarry access driveway work and services.
- **9 (3%)** as part of the Quarry Road fire trail to Crusher Plant boardwalk.
- **14 (4%)** as part of the Southern Access track works.
- **5 (2%)** as part of the green line zig zag stairway from OMV.

Importantly, of the trees to be removed

- **6 (2%)** are Dead trees
- **41 (13%)** are Very Poor Condition/Retention Value Rating
- **179 (56%)** are Low Condition/Retention Value Rating
- **87 (27%)** are Moderate Condition/Retention Value Rating
- **7 (2%)** are High Condition/Retention Value Rating

The **31** trees that require **pruning** are all related to the Canopy Skywalk and generally involve acceptable levels of pruning, particularly when reviewed within a forested bushland setting where less than desirable tree forms are a naturally frequent occurrence.

The pruning will range from very minor through to some larger trees needing larger branches removed to facilitate the installation and clearances to the Skywalk bridge decks and pylons. This may result in some mishappen trees

but this is considered preferable to the total removal of otherwise important and large endemic trees. In the author's opinion that the foreseeable pruning at this early stage of design is likely to be acceptable and not result in serious negative impacts to the trees. If the pruning was considered to be excessive then the tree was recommended for removal and is included within those statistics.

There are currently **4 trees** identified with impacts that could be readily rectified with very minor modifications to the designs and grading. These are primarily associated with some works near higher value trees near the Crusher Plant. Specifically this relates to **T1456** related to the Skywalk and **T1962, T1978 and T1982** at the Crusher Plant. During design development, it is expected, this can be adequately addressed and these trees may be retained with acceptable levels of impacts.

Table 7 - Break up of Proposed Tree Removals by Species (in order of quantity)

Species	Common Name	Quantity Removed
<i>Casuarina cunninghamiana</i>	River She-Oak	229
<i>Eucalyptus pilularis</i>	Blackbutt	22
<i>Syncarpia glomulifera</i>	Turpentine	16
<i>Angophora costata</i>	Smooth-barked Apple	16
<i>Casuarina glauca</i>	Swamp She-Oak	9
<i>Allocasuarina littoralis</i>	Black She-Oak	6
<i>Eucalyptus saligna</i>	Sydney Blue Gum	6
<i>Eucalyptus resinifera</i>	Red Mahogany	3
<i>Melaleuca armillaris</i>	Bracelet Honey myrtle	3
<i>Eucalyptus microcorys</i>	Tallowood	2
<i>Eucalyptus robusta</i>	Swamp Mahogany	2
<i>Pinus elliotii</i>	Slash Pine	2
<i>Angophora floribunda</i>	Rough-barked Apple	1
<i>Corymbia gummiifera</i>	Red Bloodwood	1
<i>Eucalyptus viminalis</i>	Ribbon Gum	1
<i>Phoenix canariensis</i>	Canary Island Date Palm	1

2.6 Potential Tree Related Impacts to be Managed During Construction

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

- Root loss and disturbance due to excavations;
- Compaction of the root zone from 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 or damage of root zones from haul roads and the parking of vehicles/ plant equipment;
- Root disturbance from cut and fill and soil level changes;
- Physical damage to tree trunks and branches from passing machinery;
- Physical damage to tree trunks and branches from crane operations and installation of the Skywalk;
- Damage to tree roots from boardwalks, landscaping and pedestrian pathway construction.
- Introduction of serious plant pathogens such as Phytophthora or Armillaria from contaminated soil or equipment during construction.

The following Section provides the primary recommendations and proposed measures that aim to minimise and avoid these impacts as much as realistically possible.

3.0 RECOMMENDATIONS AND TREE MANAGEMENT PROTOCOLS

3.1 Potential Amendments to Site Layout and Design

The landscaping, servicing and proposed embellishment construction layout have been generally developed in consultation with the Client and the Landscape Architects. Arterra, as the Consulting Arborists, have aimed to minimise the impact on the existing trees to be retained and the designs have been modified to this effect wherever possible. This has been particularly relevant for the Skywalk where Arterra have been consulted, and reviewed pylon locations on a number of previous occasions to refine the impacts and routing. The trees noted for removal, as well as those to be retained, have been given careful consideration and recommendation for removal has not been given lightly.

In assessing the works currently prepared, the following has been noted as items within the current design drawings that should be further investigated during detailed design and could potentially be conditioned as part of any approvals.

- Investigate modifying the design of the Skywalk between Pylon 10 and 11 to avoid removal of the large *Eucalyptus pilularis* (Blackbutt) **T1597** and thereby also potentially thereby remove the need to prune **T1585** and construct the Pylon no. 10 within **T1585s** TPZ.
- Modify the final design of the **Quarry Rd to Crusher Plant Boardwalk** to avoid the more significant trees and actively use it as an opportunity to remove existing partially failed trees such as **T2206**. A proposed alignment, following the positional tree survey and assessment of the trees, has been provided by Arterra. It has been assumed that this revised alignment, or something similar, can be easily incorporated and therefore the statistics regarding removals and impacts has been based on Arterra's alignment, not the alignment proposed within the currently reviewed Clouston drawings.
- Modify the crusher plant embellishment designs to **retain additional and the more significant** trees particularly trees such as the High Value **T1982, T1978**, and moderate value trees such as T2127, T2128, T2129, T2130, T2131, T2133, T2136, T2139, T2141, T2142.

3.2 Discussion About 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 calculated and depicted as simple circles centred on the trunks of the trees. These are depicted graphically on the tree inventory plans for the 'high' and 'moderate' condition rating trees only. For any other trees they can be obtained numerically from the Appendix 4.2 schedules.

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 need to be adjusted in shape to compensate for the likelihood of there being little root development into these constrained areas. Any adjusted TPZ for each tree should be ideally 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 conceptual nature of the detailed construction or earthworks.

Encroachments and earthwork deviations within the nominal tree protection zones can be considered. The following should be noted:

- **Minor encroachments** of less than 10% would generally be readily acceptable but they should typically involve compensatory areas applied elsewhere that are contiguous to the remaining TPZ wherever possible;
- **Major encroachments** will usually necessitate the need for a much more in depth inspection of the particular tree(s) and potentially the use of non-destructive investigations of root to review and justify the proposed incursion;
- **Above ground encroachments** may also need to be considered to assess the impact and loss of any major branches and foliage;
- Incursions into the **Structural Root Zone** will typically not be allowed as is usually extremely difficult to justify that level of incursion without extraordinary building techniques being employed and/or very rigorous investigation of the tree root zone. In such situations it may be better to either re-design or reposition the proposed impacting element, or remove the tree.

It is important to note that for many of the trees observed within Hornsby Quarry, traditional and circular nominal Tree Protection Zones may often not strictly apply, as they would normally for more traditional forest trees or urban parkland trees. Many trees are growing in rather extreme and/or very unnatural environments. Others are growing in naturally very rocky conditions with minimal soils, which is common for this type of landscape and geology. 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 21 – Photo illustrating tree root development in extreme environments such as on edges of steep embankments may be very atypical and not confirm to normal circular and nominal TPZs. Once the exact nature of proposed earthworks and disturbances are known it may be necessary to undertake more detailed and site specific analysis of individual trees that are desired to be retained and protected. (Photo: Arterra 2/12/22)



Figure 22 – Photo illustrating tree root development in extreme environments such as steep embankments and rock influenced environments where roots may be very atypical and not conform to normal circular and nominal TPZs. More detailed and site specific analysis of individual trees that are desired to be retained and protected may still be needed during detailed design resolution. (Photo: Arterra 2/12/22)

Likewise, trees that are growing on very steep land may develop root systems that are extremely biased towards upslope directions, to facilitate their own stability, and there may be very little 'structural' or other root development on the less structurally important, downslope side of the tree. For example, trees may have developed very one-sided 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 rigorous and detailed arboricultural assessments and reviews based on the specific

site conditions an degrading proposed 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.

3.3 Key Tree Management Recommendations to Reduce Tree Related Impacts

The following recommendations are made to potentially reduce the negative construction impacts on the trees. The following guidelines are the likely and expected measures that will be required to retain and protect trees that may be within or adjacent to the work area.

1. **Thorough Tree Protection Documentation.** Thorough tree and native vegetation protection measures must be contained and well conveyed within the final Construction Contract documentation. We acknowledge this has been provided in the conceptual plans and details. Some update to the tree protection details and specifications are to be provided within the landscape details which are to consistently reflect AS4970 terminology and dimensions. (eg. Critical root zone and Primary root zone are no longer commonly used and these should instead be referring to SRZ and TPZ and AS4970).
2. **Final Clash Detection.** A targeted 3D LiDAR survey scan of some of the larger and more important trees on the alignment of Skywalk is recommended. Final 3D clash detection should be undertaken prior to the final fabrication and installation of the Skywalk. This may allow some finer adjustments to be made to designs and to fully identify the more major branches that may need to be removed and confirm that larger trees that are close to the raised bridge decks and railings can be retained without direct conflict with their trunks or overly significant pruning. Due to the cost and complexity of this work, it is expected that this would only be undertaken once the project progresses to final detailed design and construction stages.
3. **Avoid All Works and Disturbance Within SRZs.** Typically avoid all excavation works within the SRZ radius of any trees to be retained. Any work close to an SRZ should be undertaken by hand and overseen by an AQF5 Consulting Arborist.
4. **Control of General Site Disturbance.** Minimise the disturbance around any existing trees to be retained. If work is required within a nominal TPZ radius, this work should be done with only small-tracked equipment or by hand, with care to limit damage and disturbance of the root zone. All significant excavation work within TPZs should be supervised and overseen by a AQF5 Consulting Arborist.
5. **Tree Removals.** Given the forested nature where most work is required, the removal and clearing of existing trees should be done by a suitably qualified and experience arborists. Care should be taken to avoid impact or damage to other surrounding trees throughout the process. Felled material from native trees should typically be cut up into manageable portions and then spread out through adjoining natural areas as brush-matting and habitat features.
6. **Weed Material.** Material from removed any weed species such as Privet and Camphor Laurel should be separated from natural species and ideally removed from site for appropriate disposal.
7. **Disease Control.** To avoid inadvertent spreading or introduction of soil borne diseases such as Phytophthora and Armillaria, all earthmoving equipment and the like should be thoroughly checked and cleaned before being permitted on the site, when it is likely to be used within any of the bushland areas. Workers operating in known and mapped Phytophthora areas shall disinfect boots and hand tools upon entering and exiting all such areas.
8. **Tree Pruning.** Pruning of trees is to be judicious and targeted. All pruning to be undertaken in accordance AS 4373-2007 Pruning of Amenity Trees. Final pruning for clearances to the Skywalk and its pylons should only done just before, or during the actual installations, to avoid any unnecessary pruning, should designs change or the project (or part there of) be altered or abandoned. This is to avoid pre-emptive pruning or pruning purely for Contractor convenience. Pruning of tree canopies to facilitate machinery access or craneage should only be done by a qualified arborist and also be strictly in accordance with AS 4373-2007 Pruning of Amenity Trees.
9. **Install Ground Protection.** Ground protection is to be installed when necessary for gaining machinery access through any well-treed areas or where a significant access route is required through an identified TPA. Generally, Contractors shall be expected to use only very small-scale and tracked equipment when working in and around the bushland areas and other TPZs. Contractors shall utilise already defined walkways and access paths wherever possible to minimise further disturbance or create root impacts.
10. **Craneage.** Spotters and experienced crane operators and 'dogmen' are to be utilised and the larger sections are to be fed under the canopy using suitable gaps between the overhead canopies to 'weave' the larger segments to their destination. Lifting down through the canopy is likely to be largely unfeasible in the more forested areas and will result in unexpected and uncontrolled branch breakages.
11. **Minor Trail Resolution.** The onsite routing and identification of the minor trail works is to be pegged out and assessed in detail by an AQF5 Consulting Arborist, to ensure that trees and native vegetation that can be retained, is appropriately protected and worked around and that impacts to larger and more significant trees are avoided or minimised as much as possible. It is expected that minor on-site modifications can, and will be made, to path alignments, grading and construction methods in order to minimise tree impacts to acceptable levels.
12. **Tree Protection Area Fencing.** Given the bushland and uneven environment it is acknowledged that traditional tree protection fencing may not be practical. However, where possible and applicable, Contractors shall appropriately fence all TPAs (outside of any noted incursions) for the duration of all

major site construction work. 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 protection 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. Only in very steep or forested areas may this be converted to 'bunting' in order to control and demarcate the works.

13. **Controlled Construction Access.** During Construction the Contractor is to carefully control and fence all access to and from the construction areas so that unexpected movement does not occur through any TPA other than the noted building incursions. Construction access points and stockpiling and storage areas shall all be clearly identified and fenced where appropriate. Uncontrolled access points and uncontrolled parking of vehicles on the 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.
14. **Services Routing.** Ensure all new below ground services are excluded from running through any TPAs. During detailed design, services engineers are to continue to find appropriate solutions and routing to prevent the need for any significant trenching within the vicinity of retained trees.
15. **Final Grading.** Minimise the re-grading of the final ground surfaces within the TPAs, to meet and match proposed pathways and building levels. (beyond the already noted and accepted building incursions). Where filling it is required, limit it to a maximum depth of 200mm above or below existing ground levels and ensure filling material is only quality sandy manufactured organic garden mix. Always avoid any cutting when finalising levels with TPAs.
16. **Landscaping and Planting.** Avoid digging into existing tree root zones for the installation of the proposed landscaping around the trees and installation sizes of new plants to be 5L or less to ensure that excavations are typically less than 200mm in depth.
17. **Temporary Stockpiling.** Do not allow storage or stockpiling of any materials or site sheds within any established TPAs unless that it can be demonstrated that this will not impact on the tree retention and is approved in writing by the Consulting Arborist.
18. **Monitoring** - Ensure that an appropriately qualified Arborist is on site and supervises all major work, excavations and trenching when within the identified TPA areas.
19. **Communications.** 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 the sites trees and vegetation. 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 on the site.

3.4 Proposed Forest Canopy Pruning and Methodology

3.2.1 Extent of Pruning

Some identified trees will require selective clearance and reduction pruning to facilitate the proposed Skywalk development. The aim will be to provide the required canopy pruning to facilitate the construction of the new development but take a proactive approach to the management of these trees to be retained and put in place appropriate measures to reduce the pruning as much as possible and protect the trees during construction. Specifically, the aims is to:-

- Minimise extent of pruning and clearly define and communicate what is to be pruned and to what extent.
- Ensure the qualifications of personnel undertaking pruning works.
- Define the required oversight and supervision of the pruning.
- Define the work standards that are expected and to be applied.
- Outline the minimum standards for machinery and pedestrian access and safety protocols to be applied.

It is recommended that a targeted 3D LiDAR survey scan of some of the larger and more important trees on the alignment of Skywalk be undertaken. A final 3D clash detection should be analysed prior to the final fabrication and installation of the Skywalk. This may allow some finer adjustments to be made to the designs and to fully identify the more major branches that may need to be removed and confirm that larger trees that are close to the raised bridge decks and railings can be retained without direct conflict with their trunks or overly significant pruning. Due to the cost and complexity of this work, it is expected that this would only be undertaken once the project progresses to final detailed design and construction stages.

3.2.2 Pruning Expertise

A suitably qualified Tree Contractor/Utility Arborist shall be a member of Arboriculture Australia or equivalent body. They are to be employed, instructed and directly supervised in their activities by an Arborist with a minimum AQF level 4 qualification in arboriculture.

The Head Contractor/Development Manager is to submit to the Project Consulting Arborist the name(s), relevant qualifications, trade certificates, first aid and memberships, licenses and experience of the chosen utility arborist personnel. Where possible, and reasonable, the same Utility Arborist shall be used for all the tree pruning work on the site.

3.2.3 Canopy Pruning – Generally & Standards

The Tree Contractor shall prune only the selected branches of the protected tree and only as directed by the Project Consulting Arborist. Pruning is only to be undertaken by a suitably experienced and qualified Utility Arborist, as noted above. Work is to be in strict accordance with to AS4373 Pruning of Amenity Trees. Do not treat the resulting pruning wounds.

The Tree Contractor shall minimise the size and number of wounds resulting from all pruning. Ensure remaining canopy is as balanced as possible and is reasonable given the forested environment and with appropriate branch weight and crown distribution. Use only clean, sharp pruning implements for all pruning work, ensuring that cuts are made without damage, tearing or bruising of remaining vascular tissue.

Selective and Reduction Pruning

Remove the identified branches and branchlets for the necessary Skywalk and any Crane rig clearance requirements. These should be removed to a suitable internal lateral branch at least 1/3 the diameter of the branch removed or to the branch collar at the nearest stem or trunk. Also remove any broken, damaged and defective branches as required and where practical.

3.2.4 Pruning Access, Traffic and Pedestrian Management

Typically, all pruning work shall be undertaken from within the proposed construction site. Access to the foliage shall typically be utilising climbing techniques given the lack of access for any elevated work platforms. Where tree work will result in a danger to the public, suitable signage and barricades and 'spotter' personnel shall be placed to ensure the work is undertaken safely, while pruning is occurring overhead. Some pruning from an EWP may be possible from the roadways/ access drive to OMV.

3.2.5 Pruned Tree Material Disposal

All native tree branches and foliage that are pruned are to be sectioned and generally spread on site within the adjoining bushland.

3.2.6 Monitoring and Oversight

Pruning has a direct impact on the health, structure and viability of a tree. All pruning of live tissue results in a wound to the tree, which the tree must attempt to seal and compartmentalise. Incorrect pruning techniques can lead to increased risk of decay and disease within the tree, much the same as a wound in animals can lead to disease and infection. Pruning of the canopy also has the consequence of removing valuable foliage, which in-turn removes an essential source of energy production from the tree. The tree will then also spend considerable reserves of energy in trying to regrow the losses of the foliage. Branches and trunks are also important transport and storage tissues within the tree. To limit the impacts of the required pruning:

- To ensure the work is undertaken using the methods envisaged during the design and tree assessment phases of the project, the pruning work is to be reviewed and monitored in the field by the designated Project Consulting Arborist. The intention is to limit the pruning of the existing trees, while still allowing the appropriate provisions for construction access and future regrowth of the trees and foliage.
- Only 'selective pruning' is to be undertaken - selected branches shall be pruned as identified for removal in the field by the Project Consulting Arborist in conjunction with the appointed Utility Arborist. Work shall typically be done incrementally until the appropriate clearance is achieved.
- All pruning is to follow AS4373-2007 Pruning of Amenity Trees.

3.5 Proposed Tree Protection & Construction Activity Sequencing

The following sequence of activities should be followed for this project: -

1. A Tree Protection Specification & Plan be prepared and issued as part of the Construction Contract prior to any construction work.
2. The Project Consulting Arborist, Landscape Architect, Civil and Structural Engineers, Client and Contractor Site Foreman are to all meet prior to beginning any work on the site to discuss and review all work procedures, construction access routes, stockpiling and tree protection measures (ie: fence types and locations, access, craneage points, pylon construction methods etc.).
3. Contractors to discuss locations and type of any sediment and erosion controls (if any) and install them with minimal tree impact when within or passing through the TPAs.

4. Existing identified trees are to be removed. Stumps will generally be left in place except around Crusher plant where stumps may be grubbed out where this will not impact adjoining trees being retained.
5. Trunk protection is to be placed on all trees where machinery work or general site access is required in close proximity (ie. within 5.0m of the tree).
6. Any Construction Phase TPAs are to be defined and fenced off with a 1.8m high metal or plywood temporary fence prior to any further work within the vicinity of the trees. Any required rumble boards are to be installed to protect TPAs areas where access is required.
7. A utility Arborist is to undertake the required selective pruning of canopy or branches to facilitate construction of the Skywalk and the use of any large scale craneage equipment without accidental damage to the tree canopy. Pruning to be done in accordance with AS4373 - Pruning of Amenity Trees and performed by staff with suitable qualifications.
8. Proposed alignment, routing, grading and clearing works associated with minor trails and bird hides etc. are to be reviewed and modified where necessary in the field to maintain tree impacts and removals to an acceptable level.
9. General construction works are to be completed.
10. Contractor is to remove the TPZ fencing and then install any remaining and final pathways and landscaping within the TPAs under the trees, only after other major construction work is completed.

3.6 Demolition and Excavation Work Near Trees or within TPAs

Demolition of paths and small excavations required within a TPA shall be done with small, tracked equipment or by hand, with care to limit damage and disturbance of the root zone. All such work within TPAs shall be monitored, inspected and overseen by a qualified Project Consulting Arborist.

3.7 Tree Protection Fencing & Definition of TPAs

Final contract documentation shall establish and clearly define any tree protection areas. This will typically require the installation of a 1.8m high temporary steel mesh or chain wire fencing with adequate lateral bracing. Fencing shall comply with the requirements of AS 4687-2007 Temporary fencing and hoardings. These areas around the trees shall be delineated as a "Tree Protection Zone" during the remaining construction process, via appropriate weatherproof signage. Access will typically be excluded from these zones and the levels will be left largely at the existing levels with the exception of the potential installation of 75mm of mulch in bare areas. No stockpiling, excavation, trenching, re-fuelling or material storage should be allowed in this area.

3.8 Ground Protection within TPAs

Vehicular movement and access shall typically not be required or approved through the TPAs. If it is necessary and it is proposed to create any access or haul road, or similar, within the TPZ of a retained tree, the Contractor shall install rumble strips / boards over the TPZ ground surface. No excavation shall be allowed. Contractor shall first place a suitable permeable geotextile to the extent required and then a 100mm thick layer of wood chip mulch or coarse no-fines gravel over the extent to be covered with the rumble strip / boards. Then place hardwood boards (minimum 3600 x 200 x 75mm) on their flat edge, side by side, with a 30 - 50mm gap to form a rumble strip. These boards are to be held together with three galvanised metal bracing straps nailed to each board. The two outer straps are to be approximately 200mm in from the ends of the boards. The third strap is to be along the centre line of the boards.



Figure 23 – Example of acceptable Tree Protection Area ground protection. (Image: Arterra)

3.9 Trunk and Lower Branch Protection

A trunk barrier is to be erected around the circumference of the tree trunk and trunk flare and root buttress. This barrier will consist of a double layer of suitable 'used' artificial grass matting, carpet or carpet underfelt placed around the trunk. A layer of battens is to be placed over the underfelt. The battens are to have a maximum spacing of 50-100mm. The height of the battens is to be 2 metres or to the height of the first branches. Lower large branches may require the same protection if they are likely to be damaged by passing vehicles or equipment. Secure in place with galvanised steel bracing straps. Do not nail into or otherwise injure the trunk or bark. Battens may be made from any suitable waste timber of similar sizes and depths. All sharp or protruding edges are to be properly covered with tape or similar padding.



Figure 24 – Example of acceptable Trunk Protection batten installation. (Image: Arterra)

3.10 Final Landscaping within TPAs

Once final levels are set by the finished structural elements. The final trimming and landscaping shall be judiciously undertaken. The final pedestrian pavements or boardwalks shall be installed without undue excavation or compaction to the soil and all soft landscaping within the tree protection zone will be installed with care to avoid root disturbance via irrigation trenching, lighting installation and the planting of larger plants. The installation of 100-200mm of new garden mix topsoil over the pre-existing soil will provide a suitable medium in which to plant new plants without damage to existing tree roots. Permanent irrigation (if used) shall be installed as spray heads located outside of TPZs and spraying inwards. All other services such as electrical services shall also be designed and installed to avoid any excavation or trenching around the trees.

3.11 Final Building and Pedestrian Clearance Pruning

Once the final levels and finishes are in place the Project Consulting Arborist shall supervise any selective pruning of any lower peripheral branches to retained trees to achieve any clearances for final pedestrian access, Skywalk maintenance etc. This shall be minimised as much as possible. It is anticipated that the final pruning of any of the retained trees will be minimal and will not have any serious impact to the trees' health or habit.

The branches of the tree shall only be pruned as specifically needed and directed by the Project Consulting Arborist. Work is to be in strictly accordance with to AS4373 - Pruning of Amenity Trees. Do not treat wounds. Only clean,

sharp pruning implements shall be used for all pruning work, ensuring that cuts are made without damage, tearing or bruising of the remaining vascular tissue.

3.12 References

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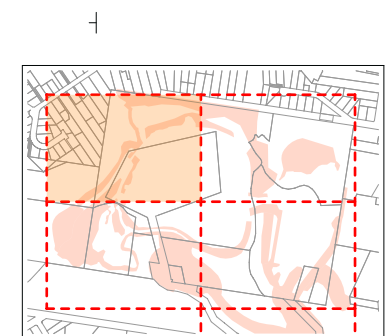
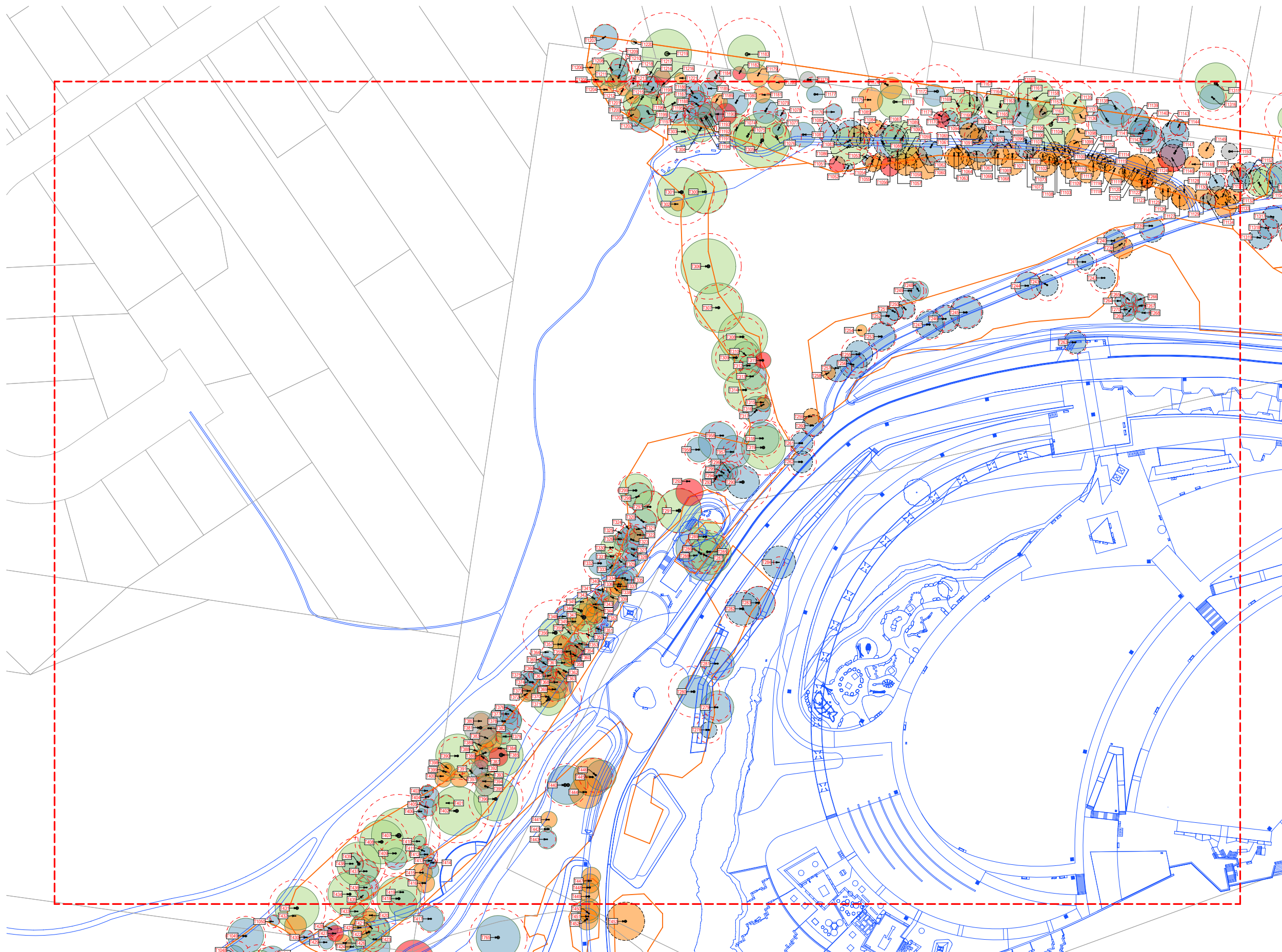
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4.0 APPENDICES

4.1 Tree Plans

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



D	Embellishment Extension 03	RWS	16/12/22
C	North Fill Extension	RWS	28/07/20
B	Rosemead Avenue Extent	RWS	2/10/19
A	For Review / Comment	RWS	22/08/19
REVISION DESCRIPTION		CHKD	DATE

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Condition Rating Plan - North West

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

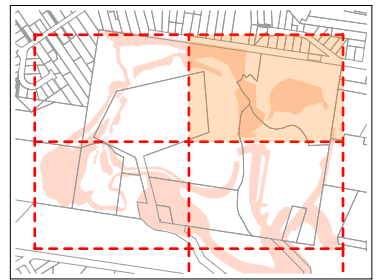
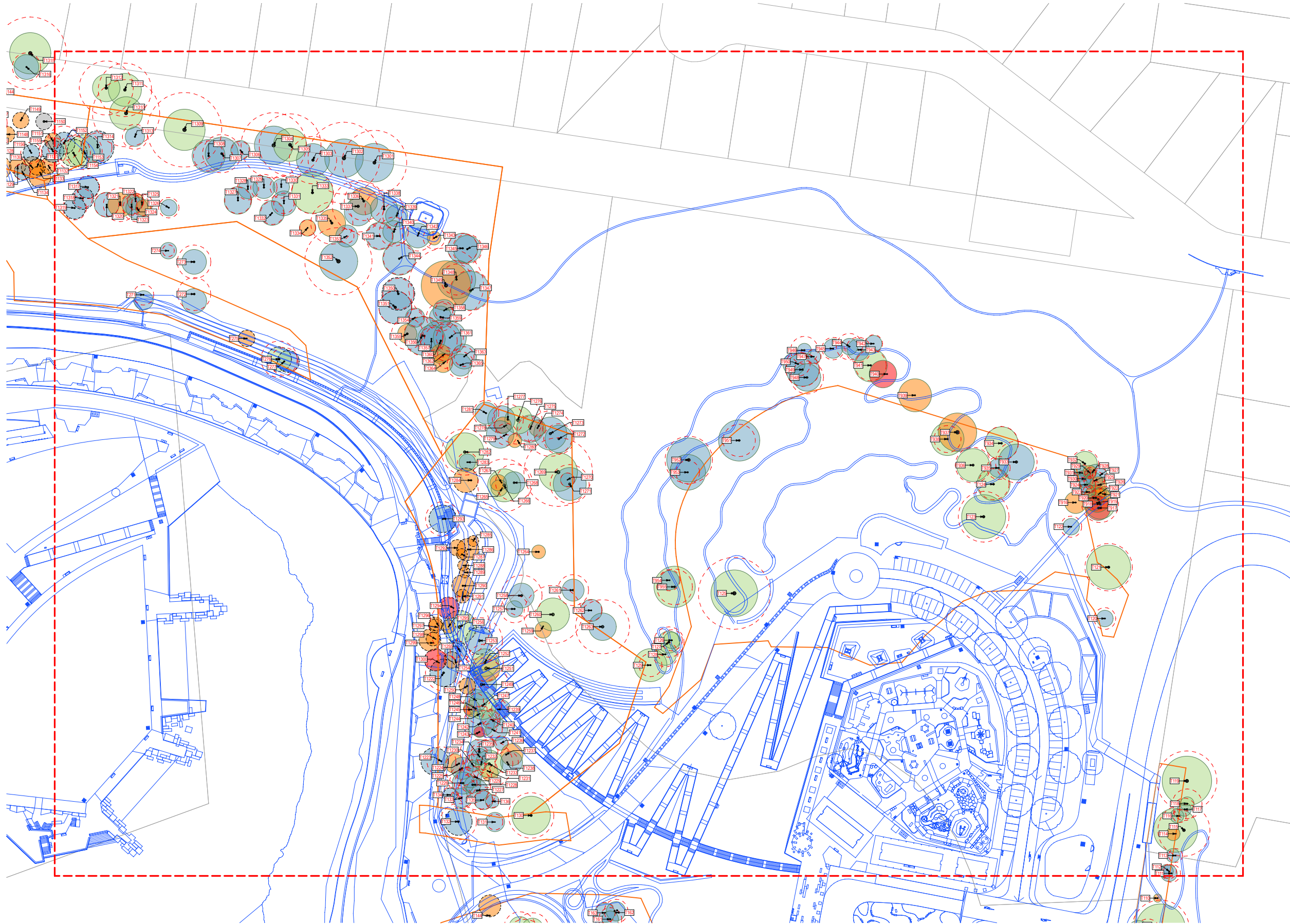


DRAWING NUMBER
T-07

REVISION
D

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



REVISION	DESCRIPTION	CHKD	DATE
E	Embellishment Extension 03	RWS	16/12/22
D	North Fill Extension-Marsden Additions	RWS	9/9/20
C	North Fill Extension	RWS	28/07/20
B	Rosemead Avenue Extent	RWS	2/10/19
A	For Review / Comment	RWS	22/08/19

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

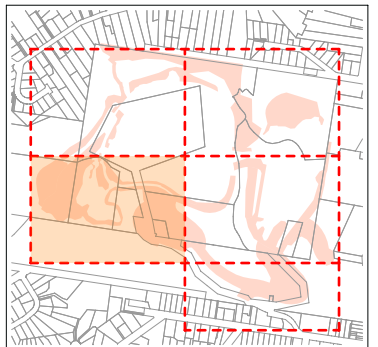
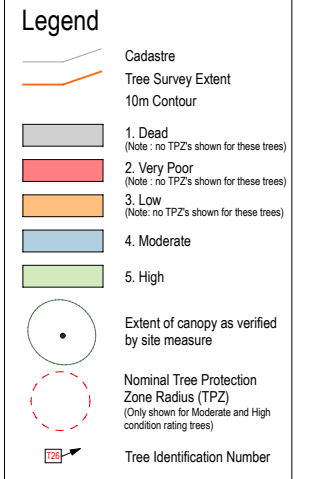
DRAWING TITLE

Tree Condition Rating Plan -
North East

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

DRAWING NUMBER
T-08

REVISION
E



Key Plan



REVISION	DESCRIPTION	CHKD	DATE
E	Embellishment Extension 03	RWS	16/12/22
D	SAT_QuarryRd Extension	RWS	22/11/21
C	North Fill Extension	RWS	28/07/20
B	Rosemead Avenue Extent	RWS	2/10/19
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/BT

Scale : 1:500@A0/1:1000@A2

DRAWING NUMBER

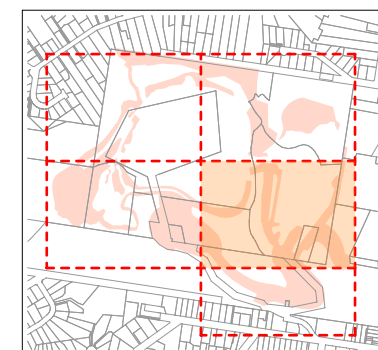
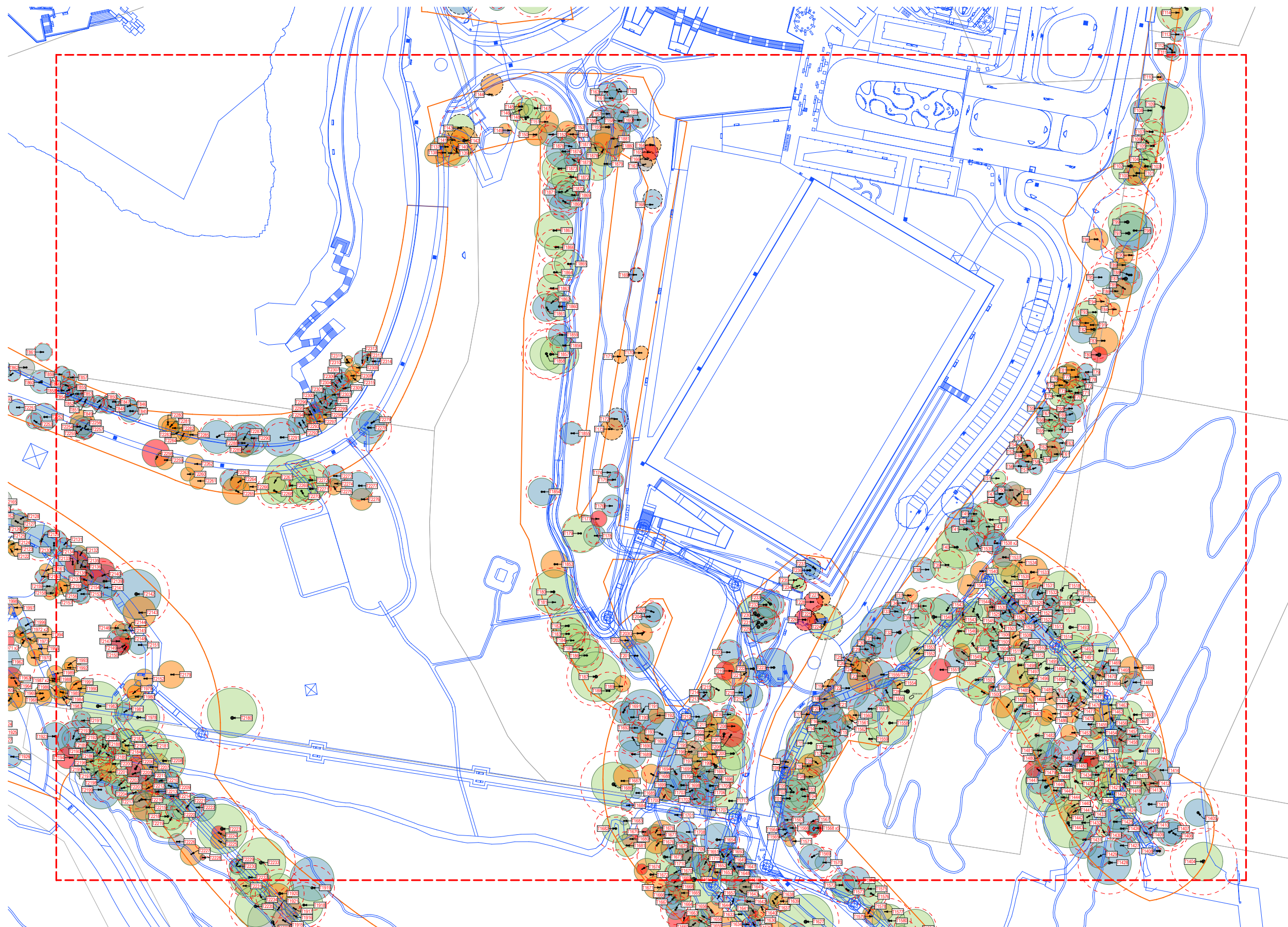
T-09

REVISION

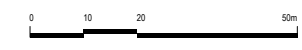
E

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



REVISION	DESCRIPTION	CHKD	DATE
D	Embellishment Extension 03	RWS	16/12/22
C	North Fill Extension	RWS	28/07/20
B	Rosemead Avenue Extent	RWS	2/10/19
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/BT
Scale : 1:500@A0/1:1000@A2



DRAWING NUMBER
T-10

REVISION
D



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

Cadastral

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)

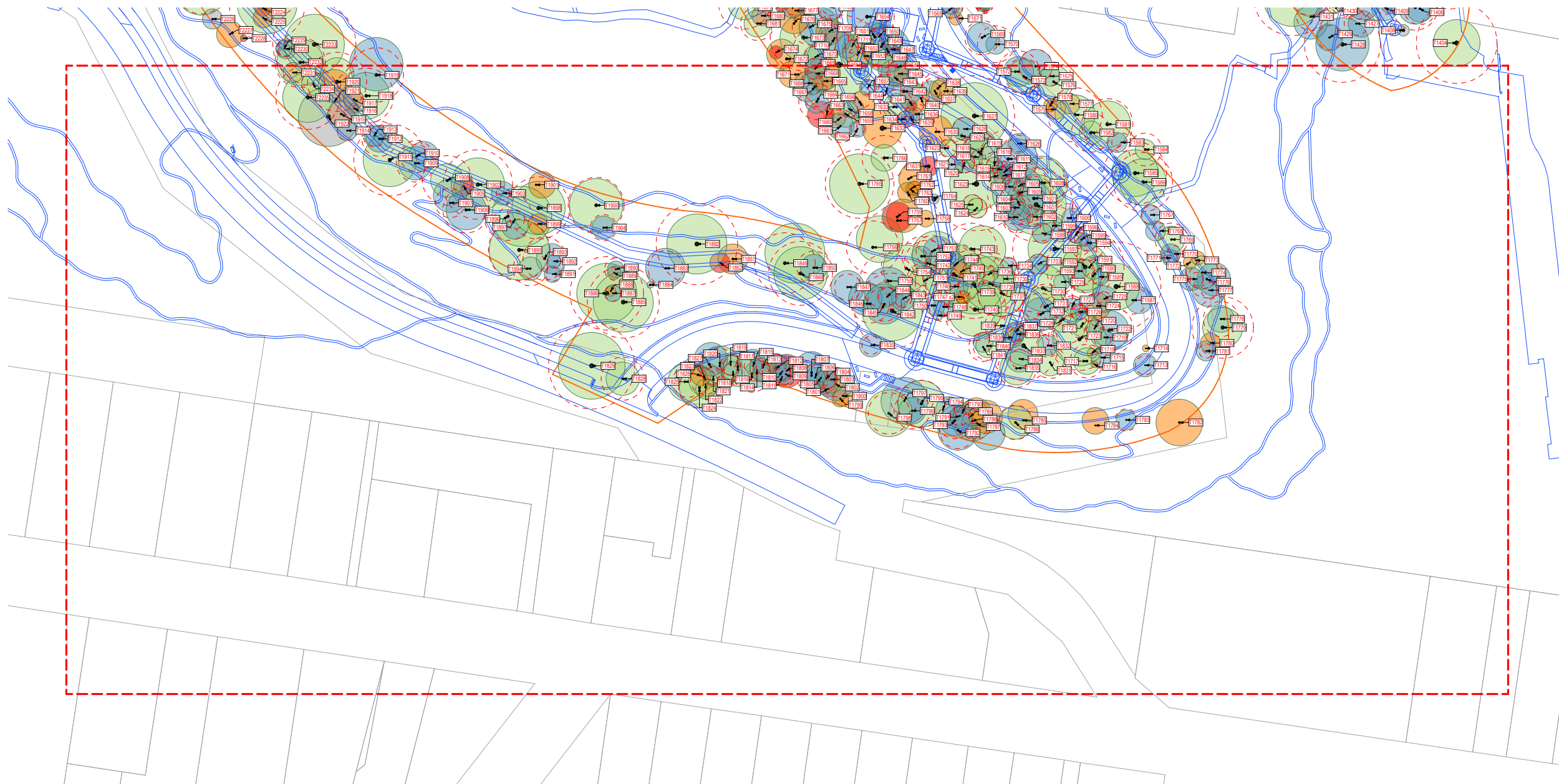
4. Moderate

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



A	Embellishment Extension 03	RWS	16/12/22
REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Condition Rating Plan -
Quarry Road East

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

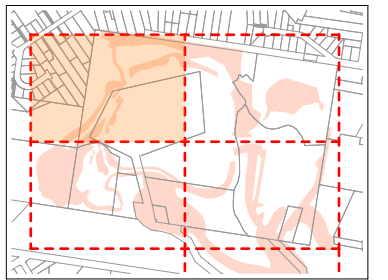


DRAWING NUMBER	REVISION
T-11	A

Plotted at : 11:47 am 24/4/2023

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree to Be Removed
- Tree Previously Removed (or already approved for removal)
- Tree to Be Pruned
- 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



REVISION	DESCRIPTION	CHKD	DATE
A	For Embellishment REF	RWS	20/12/22

PROJECT & CLIENT

Hornsby Quarry

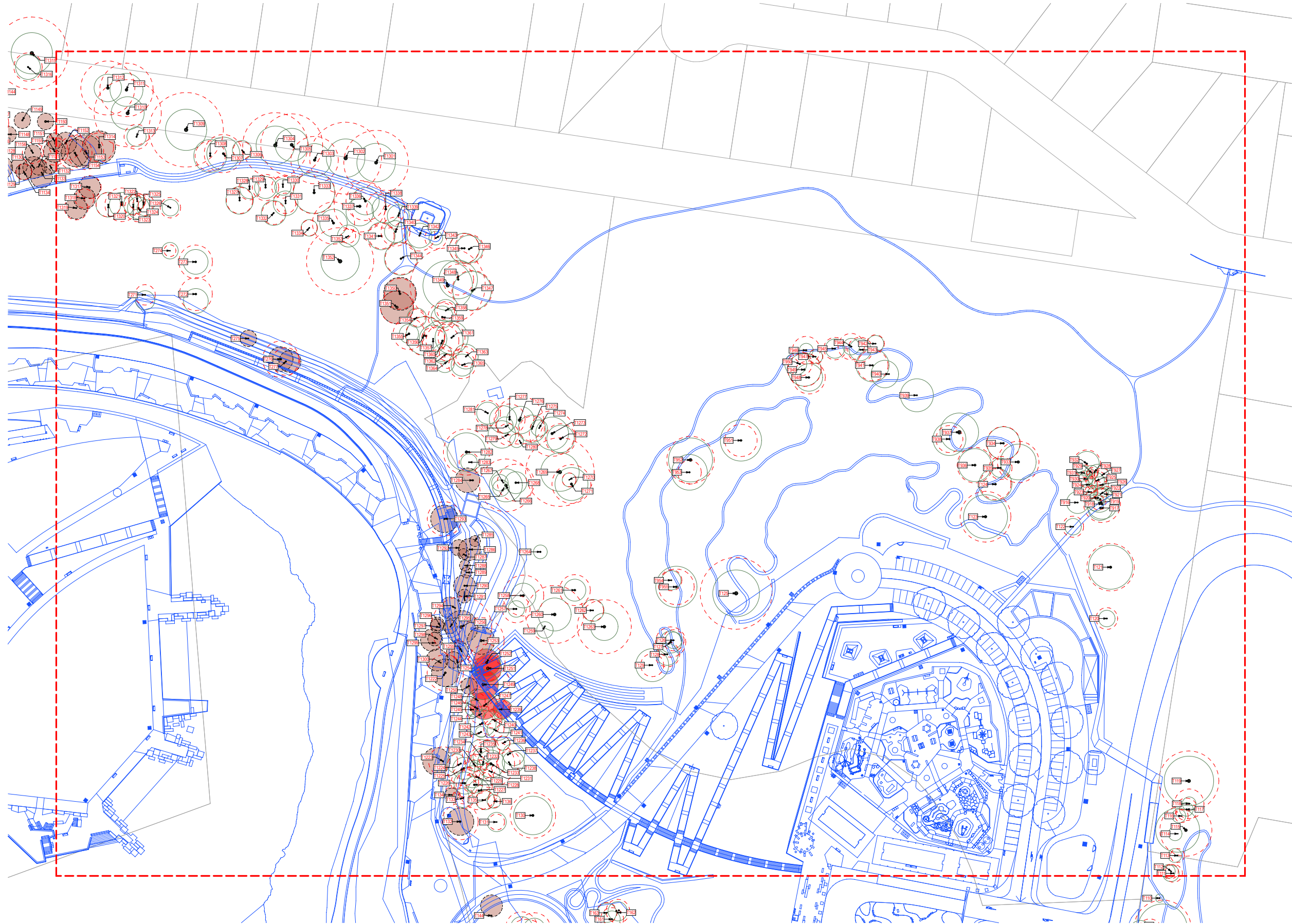
Hornsby Shire Council

DRAWING TITLE

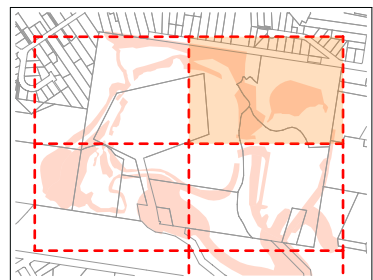
Tree Impact Assessment Plan - North West

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

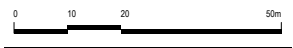
DRAWING NUMBER	REVISION
T-31	A



- Legend**
- Cadastre
 - Tree Survey Extent
 - 10m Contour
 - Tree to Be Removed
 - Tree Previously Removed (or already approved for removal)
 - Tree to Be Pruned
 - 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



REVISION	DESCRIPTION	REF	CHKD	DATE
A	For Embellishment	REF	RWS	20/12/22

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

DRAWING TITLE

Tree Impact Assessment
Plan - North East

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

DRAWING NUMBER
T-32

REVISION
A

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree to Be Removed
- Tree Previously Removed (or already approved for removal)
- Tree to Be Pruned
- 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



A	For Embellishment REF	RWS	20/12/22
REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT

Hornsby Quarry

Hornsby Shire Council

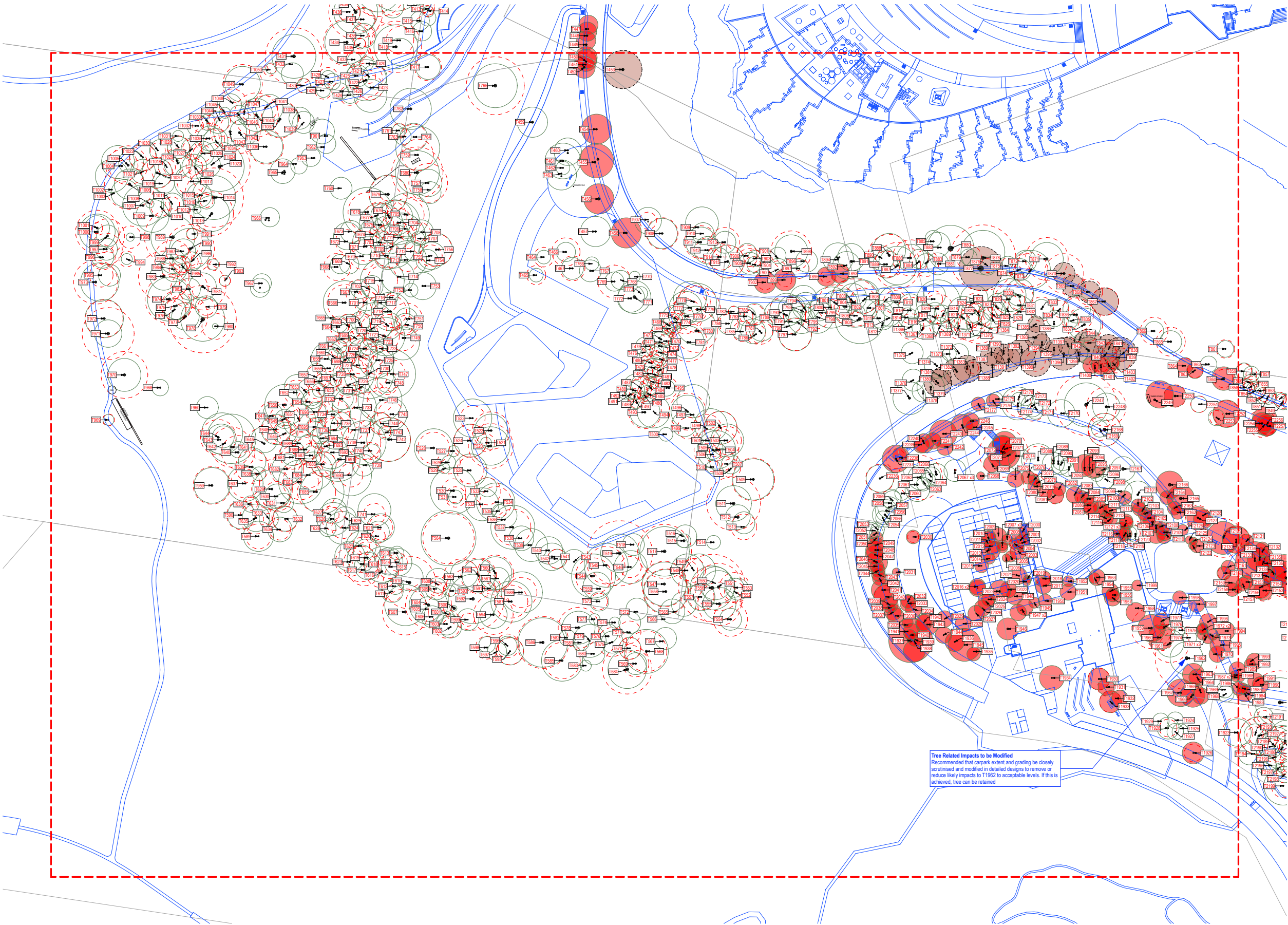
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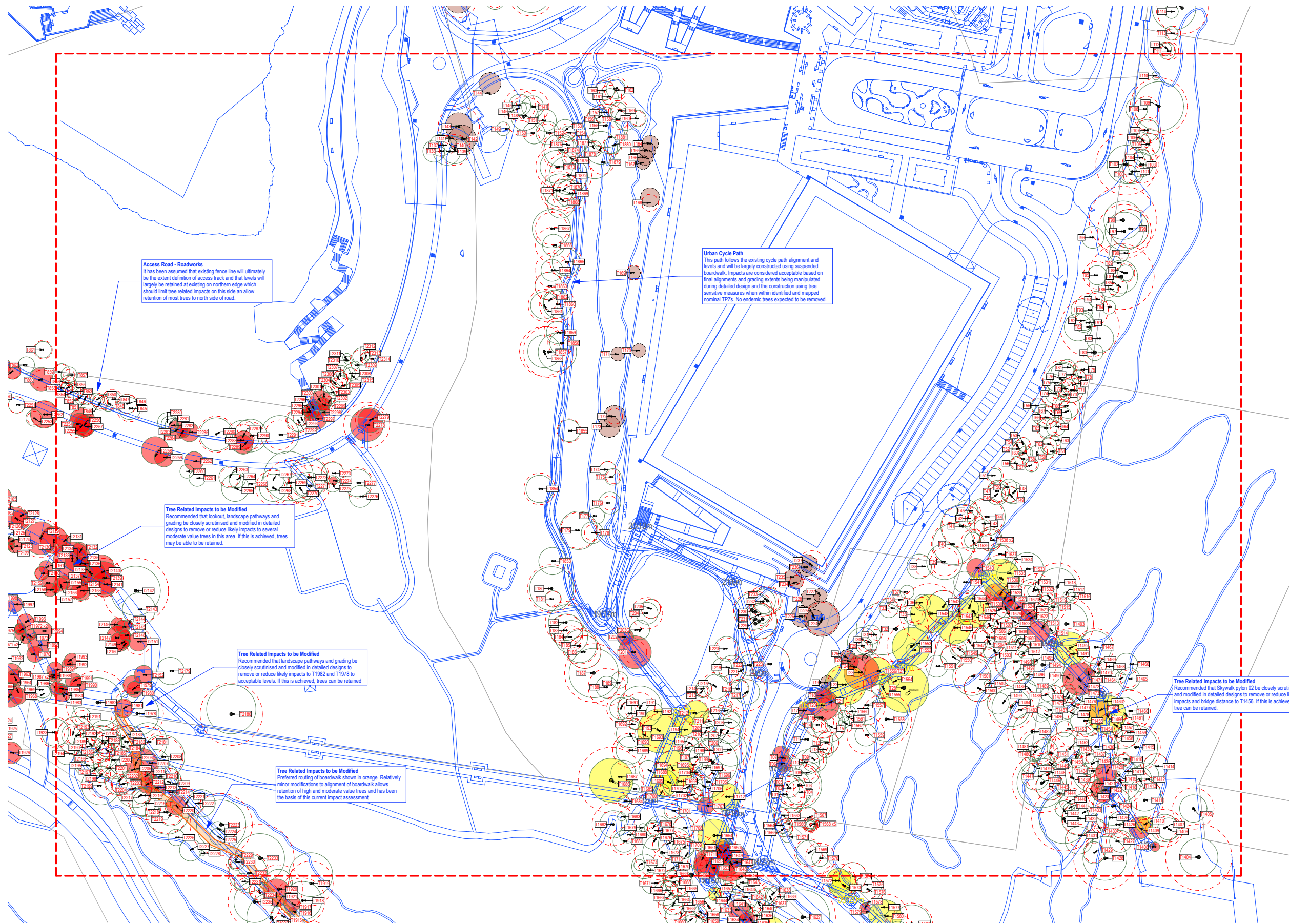
Tree Impact Assessment Plan - South West

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

DRAWING NUMBER
T-33

REVISION
A



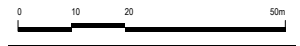


Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree to Be Removed
- Tree Previously Removed (or already approved for removal)
- Tree to Be Pruned
- 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



A	For Embellishment REF	RWS	20/12/22
REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT
Hornsby Quarry

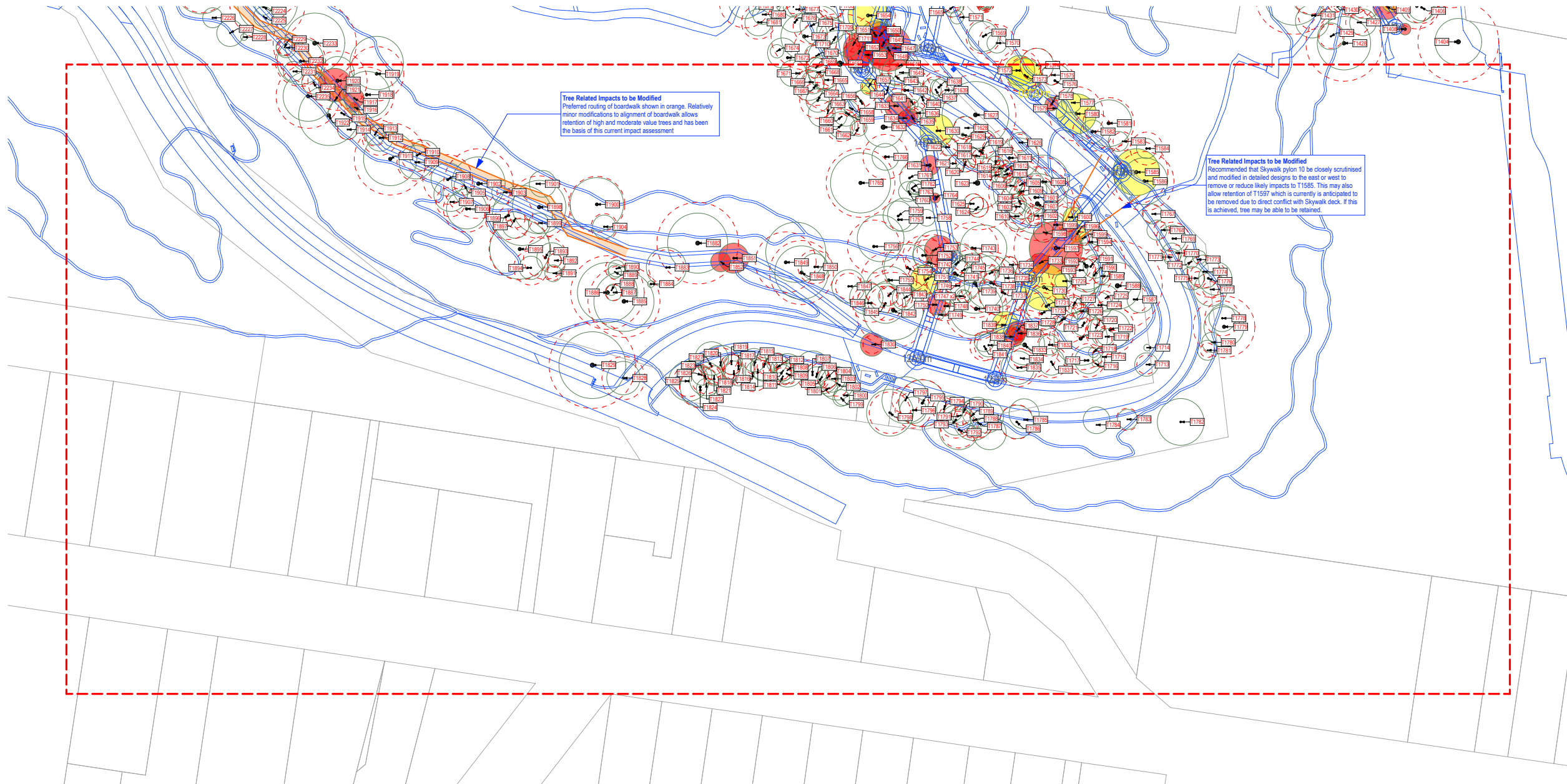
Hornsby Shire Council
DRAWING TITLE
Tree Impact Assessment Plan - South East

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

DRAWING NUMBER
T-34
REVISION
A

Legend

- Cadastre
- Tree Survey Extent
- 10m Contour
- Tree to Be Removed
- Tree Previously Removed (or already approved for removal)
- Tree to Be Pruned
- 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



4.2 Hornsby Quarry Embellishment Areas - Tree Assessment Schedule

Hornsby Quarry - Tree Impact Assessment Schedule (Embellishment Area - Survey Extension 03)

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	Removal	Removal Notes
6	1		<i>Eucalyptus pilularis</i>	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.	Remove	Poor quality tree. Within foot print of new pylon
7	1		<i>Eucalyptus pilularis</i>	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.	Remove	Within foot print of new roadway
17	1		<i>Allocasuarina littoralis</i>	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.	Remove	Poor quality tree. Recommend removal to facilitate construction of pylon and road.
18	1		<i>Allocasuarina littoralis</i>	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.	Remove	Poor quality tree. Recommend removal to facilitate construction of pylon and road.
20	1		<i>Eucalyptus pilularis</i>	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		Remove	Growing into and leaning towards pylon. Recommend removal to facilitate construction of pylon.
22	1		<i>Eucalyptus pilularis</i>	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		Pruning	Skywalk largely over top of tree canopy. Will likely need only very minor branches pruned to south where above 20-22m.
23	1		<i>Eucalyptus pilularis</i>	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	Remove	Poor quality tree. Recommend removal to facilitate construction.
26	1		<i>Allocasuarina littoralis</i>	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.	Remove	Poor quality tree. Within foot print of new roadway
28	1		<i>Eucalyptus pilularis</i>	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.	Pruning	Skywalk and pylon right at top of tree canopy. Multibranched and spreading tree. Will likely need selective branches pruned to north-to fit around pylon and skywalk deck. Will need to be undertaken very selectively as pylon installed.
193	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	16.0	0.52	0.58	6.24	2.63	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate		Pruning	Skywalk adjacent upper tree canopy. Will likely need some branches pruned to east above 16m but below 20m to facilitate, but should be worked around and retained. (3 x 100mm)
194	1		<i>Angophora floribunda</i>	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	Pruning	Skywalk adjacent very upper portion of tree canopy. Will likely need some minor branches pruned to west above 15m to facilitate, but should be worked around and retained.
201	1		<i>Casuarina cunninghamiana</i>	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		Remove	Within direct conflict and footprint of skywalk.
202	1		<i>Casuarina glauca</i>	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		Remove	Within direct conflict and footprint of skywalk.
212	1		<i>Eucalyptus pilularis</i>	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.	Pruning	Skywalk adjacent very upper portion of tree canopy. Will likely need some minor branches pruned to west above 15m to facilitate, but should be worked around and retained.
447	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
448	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
449	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
450	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
451	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
452	1		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
454	1		<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Southern Access Track road.
455	2		<i>Casuarina cunninghamiana</i>	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.	Remove	Within footprint of upgraded Southern Access Track road.
456	1		<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Southern Access Track road.
860	3	Remote	<i>Casuarina cunninghamiana</i>	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.	Remove	Likely excessive impacts from upgraded Quarry access road and installation of services.
863	1	Remote	<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Quarry access road.

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	Removal	Removal Notes
864	1	Remote	<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Quarry access road.
893	1	Remote	<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Southern Acces Track road.
895	1	Remote	<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Southern Acces Track road.
899	1	Remote	<i>Casuarina cunninghamiana</i>	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		Remove	Within footprint of upgraded Southern Acces Track road.
900	1	Remote	<i>Angophora floribunda</i>	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		Remove	Within footprint of upgraded Southern Acces Track road.
1239	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	18.0	7.0	0.31	0.34	3.72	2.10	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.	Remove	Within footprint of Green Line zigzag stair construction from OMV.
1247	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	24.0	10.0	0.58	0.65	6.96	2.76	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Remove	Within footprint of Green Line zigzag stair construction from OMV.
1249	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	26.0	11.0	0.80	0.93	9.60	3.21	Mature	Normal	Good	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic	Stag Creation Potential	4 Moderate	Ganoderma at base.	Remove	Within footprint of Green Line zigzag stair construction from OMV.
1251	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	20.0	10.0	1.01	1.01	12.12	3.32	Mature	Normal	Average	Co-dominant Stems Deadwood-Major	Long (>40 years)	Endemic		3 Low	Major failure of main trunk at 9.0m.	Remove	Within footprint of Green Line zigzag stair construction from OMV.
1252	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	26.0	10.0	0.56	0.79	6.72	3.00	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Remove	Within footprint of Green Line zigzag stair construction from OMV.
1400	1		<i>Casuarina cunninghamiana</i>	River She-Oak	13.0	6.0	0.19	0.28	2.28	1.94	Mature	Normal	Average	Lean-Minor, Asymmetric Canopy	Medium (15-40 years)	Native	SAT	4 Moderate		Remove	Within footprint of upgraded Quarry access road.
1401	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	7.0	0.22	0.40	2.64	2.25	Mature	Normal	Average		Medium (15-40 years)	Native	SAT	4 Moderate		Remove	Within footprint of upgraded Quarry access road.
1402	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	7.0	0.30	0.39	3.60	2.23	Mature	Normal	Average		Medium (15-40 years)	Native	SAT	4 Moderate		Remove	Within footprint of upgraded Quarry access road.
1403	1		<i>Casuarina cunninghamiana</i>	River She-Oak	11.0	5.0	0.16	0.22	2.00	1.75	Mature	Normal	Average		Medium (15-40 years)	Native	SAT	4 Moderate		Remove	Within footprint of upgraded Quarry access road.
1404	1		<i>Syncarpia glomulifera</i>	Turpentine	17.5	14.0	1.01	1.21	12.12	3.59	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		5 High			
1405	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	10.0	0.63	0.84	7.56	3.08	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		4 Moderate			
1406	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	8.0	0.40	0.48	4.80	2.43	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1407	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	10.0	0.55	0.69	6.60	2.83	Mature	Fair	Average	Deadwood-Minor Tip Dieback Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Major wounding to base to north to 3.0m		
1408	1		<i>Eucalyptus pilularis</i>	Blackbutt	11.5	3.5	0.63	0.77	7.56	2.97	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Stag tree	Remove	In the way of Skywalk entry. Dead Tree
1409	1		<i>Syncarpia glomulifera</i>	Turpentine	12.0	8.0	0.18	0.26	2.16	1.88	Semi-mature	Good	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within footprint and conflicting with structure of skywalk
1410	1		<i>Syncarpia glomulifera</i>	Turpentine	9.0	6.0	0.19	0.28	2.28	1.94	Semi-mature	Good	Average		Long (>40 years)	Endemic		4 Moderate		Pruning	Close to skywalk - foliage to south-west will need pruning but otherwise tree could be retained.
1411	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	12.0	0.60	0.77	7.20	2.97	Mature	Fair	Average	Lean-Minor Asymmetric Canopy Tip Dieback Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.		
1412	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	9.0	0.36	0.42	4.32	2.30	Mature	Poor	Average	Tip Dieback Deadwood-Major	Long (>40 years)	Endemic		3 Low	Asymmetric to north.		
1413	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	9.0	0.43	0.49	5.16	2.45	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead			
1414	1		<i>Angophora costata</i>	Smooth-barked Apple	19.5	9.0	0.38	0.50	4.56	2.47	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate			
1415	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	16.0	0.75	0.88	9.00	3.14	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1416	1		<i>Angophora costata</i>	Smooth-barked Apple	13.0	4.0	0.20	0.22	2.40	1.75	Mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate			
1417	1		<i>Angophora costata</i>	Smooth-barked Apple	17.0	8.0	0.28	0.32	3.36	2.05	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1418	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.78	0.85	9.36	3.09	Mature	Good	Good	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		5 High	Minor decay at old trunk wound.		Minor impact from pylon base construction. Outside SRZ
1419	1		<i>Angophora costata</i>	Smooth-barked Apple	12.0	2.0	0.20	0.25	2.40	1.85	Dead	Dead	Average	Deadwood-Major	Short (5-15 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	Removal	Removal Notes
1420	1		<i>Angophora costata</i>	Smooth-barked Apple	18.5	8.0	0.43	0.52	5.16	2.51	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		3 Low	Major wound , borer blaze at 6-8m on north.	Remove	Within footprint and conflicting with structure of skywalk
1421	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	3.0	0.22	0.27	2.64	1.91	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead			
1422	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	9.0	0.52	0.62	6.24	2.71	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Major basal wound to east, but good reaction wood.	Remove	Pylon base needing to be within SRZ of tree. Trunk and foliage conflicting with pylon above ground. Recommend removal
1423	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	5.0	0.21	0.28	2.52	1.94	Semi-mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1424	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.73	0.92	8.76	3.20	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1425	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	10.0	0.54	0.66	6.48	2.78	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1426	1		<i>Angophora costata</i>	Smooth-barked Apple	19.5	10.0	0.40	0.60	4.80	2.67	Mature	Fair	Average	Deadwood-Minor Tip Dieback Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to east. Basal wounding, root death to north.		
1427	1		<i>Angophora costata</i>	Smooth-barked Apple	17.0	8.0	0.30	0.36	3.60	2.15	Mature	Normal	Average		Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to east.		
1428	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.95	1.04	11.40	3.36	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems Decay-Major	Long (>40 years)	Endemic		4 Moderate	Major basal wound to north. Reasonable reaction wood. Decay.		
1429	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	8.0	0.30	0.42	3.60	2.30	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1430	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.5	5.0	0.21	0.28	2.52	1.94	Semi-mature	Good	Good		Long (>40 years)	Endemic		5 High			
1431	1		<i>Angophora costata</i>	Smooth-barked Apple	19.5	10.0	0.35	0.47	4.20	2.41	Mature	Fair	Average	Asymmetric Canopy Epicormic Growth Deadwood-Major	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to south.		
1432	1		<i>Angophora costata</i>	Smooth-barked Apple	20.5	12.0	0.48	0.57	5.76	2.61	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1433	1		<i>Corymbia gummifera</i>	Red Bloodwood	12.0	4.0	0.25	0.34	3.00	2.10	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead			
1434	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.55	0.67	6.60	2.80	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		5 High	On rock shelf		
1435	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	8.0	0.39	0.52	4.68	2.51	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	On rock shelf. Asymmetric to west.		
1436	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	16.0	0.69	0.76	8.28	2.95	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	On rock shelf.		
1437	1		<i>Corymbia gummifera</i>	Red Bloodwood	15.0	6.0	0.26	0.34	3.12	2.10	Over-mature	Poor	Average	Deadwood-Major Tip Dieback Epicormic Growth	Short (5-15 years)	Endemic		2 Very Poor			
1438	1		<i>Angophora costata</i>	Smooth-barked Apple	13.5	8.0	0.40	0.53	4.80	2.53	Senescent	Poor	Average	Deadwood-Major Tip Dieback Epicormic Growth	Short (5-15 years)	Endemic		2 Very Poor			
1439	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.70	0.84	8.40	3.08	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1440	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	6.0	0.30	0.36	3.60	2.15	Over-mature	Poor	Average	Deadwood-Major Tip Dieback	Short (5-15 years)	Endemic		3 Low	On rock shelf.		
1441	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	4.0	0.16	0.22	2.00	1.75	Senescent	Poor	Average	Deadwood-Major Tip Dieback Epicormic Growth	Short (5-15 years)	Endemic		2 Very Poor	On rock shelf.		
1442	1		<i>Corymbia gummifera</i>	Red Bloodwood	17.0	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Average	Deadwood-Major Tip Dieback Epicormic Growth	Medium (15-40 years)	Endemic		3 Low			
1443	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	0.98	0.98	11.76	3.28	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		5 High			
1444	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	1.0	0.18	0.22	2.16	1.75	Dead	Dead	Average	Deadwood-Major Lean-Minor	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1445	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.43	0.54	5.16	2.55	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1446	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	0.90	1.00	10.80	3.31	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1447	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	10.0	0.45	0.57	5.40	2.61	Mature	Good	Good	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		

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1448	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	6.0	0.26	0.38	3.12	2.20	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Branch Tearouts Epicormic Growth	Long (>40 years)	Endemic		3 Low	Asymmetric to north. Top leader broken out.		
1449	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	6.0	0.40	0.42	4.80	2.30	Mature	Normal	Average	Asymmetric Canopy Branch Tearouts Epicormic Growth Co-dominant Stems Deadwood-Major Tip Dieback	Long (>40 years)	Endemic		3 Low	Asymmetric to west. Eastern trunk dead.		
1450	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	6.0	0.42	0.63	5.04	2.73	Mature	Normal	Average	Asymmetric Canopy Branch Tearouts Epicormic Growth Deadwood-Major Tip Dieback Cavity	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Very asymmetric to south-west. Basal wound and cavity to north-east.		
1451	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	10.0	0.50	0.66	6.00	2.78	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1452	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	12.0	0.57	0.73	6.84	2.90	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1453	1		<i>Corymbia gummifera</i>	Red Bloodwood	16.0	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Poor	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1454	1		<i>Corymbia gummifera</i>	Red Bloodwood	14.0	5.0	0.20	0.24	2.40	1.82	Mature	Poor	Average	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1455	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.50	0.62	6.00	2.71	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1456	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	14.0	0.68	0.81	8.16	3.03	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Impact	Skywalk span very close to trunk. Recommend minor adjustment of Pylon 2 to the west. Pruning required to west. Likley 2 branches (1 x200mm and 1 x 150mm)
1457	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	8.0	0.42	0.50	5.04	2.47	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.	Pruning	Will likely need branches below 16m pruned to west
1458	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	6.0	0.34	0.42	4.08	2.30	Mature	Fair	Average	Tip Dieback Cavity Decay-Minor	Long (>40 years)	Endemic		3 Low	Small basal cavity to south. Internal decay.		
1459	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	12.0	0.42	0.54	5.04	2.55	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1460	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	10.0	0.63	0.69	7.56	2.83	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		5 High	Asymmetric to west.		
1461	1		<i>Eucalyptus pilularis</i>	Blackbutt	9.0	1.0	0.18	0.22	2.16	1.75	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1462	1		<i>Angophora costata</i>	Smooth-barked Apple	13.0	8.0	0.30	0.30	3.60	2.00	Senescent	Poor	Average	Deadwood-Major Tip Dieback	Short (5-15 years)	Endemic		3 Low		Remove	Within footprint and conflicting with structure of skywalk
1463	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	1.0	0.20	0.24	2.40	1.82	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1464	1		<i>Syncarpia glomulifera</i>	Turpentine	12.0	4.0	0.17	0.22	2.04	1.75	Semi-mature	Good	Average	Asymmetric Canopy Decay-Minor Epicormic Growth	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.major wounding to south side of trunk from 1-4m.		
1465	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	8.0	0.27	0.34	3.24	2.10	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	Burned on east side. Basal wound to east.		
1466	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	8.0	0.47	0.59	5.64	2.65	Mature	Poor	Average	Asymmetric Canopy Deadwood-Major	Short (5-15 years)	Endemic		3 Low	Asymmetric to west. Fire wounding to lower trunk.		
1467	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	12.0	0.57	0.72	6.84	2.88	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1468	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.28	0.33	3.36	2.08	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1469	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.24	0.32	2.88	2.05	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1470	1		<i>Corymbia gummifera</i>	Red Bloodwood	14.5	5.0	0.25	0.25	3.00	1.85	Mature	Poor	Average		Short (5-15 years)	Endemic		3 Low	Basal wounding to south-east.		
1471	1		<i>Angophora costata</i>	Smooth-barked Apple	9.0	3.0	0.19	0.23	2.28	1.79	Senescent	Moribund	Average	Deadwood-Major Tip Dieback	Remove (<5 years)	Endemic		2 Very Poor	Major dieback	Remove	Poor tree. Recommend removal regardless of work.
1472	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	12.0	0.77	0.93	9.24	3.21	Mature	Excellent	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Remove	Skywalk span very close to trunk. Recommended minor adjustment of Pylon 2 west to protect T1456. This worsens impact and likely major branches will be requiring removal anyway even if it could be retained.

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1473	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	1.0	0.20	0.30	2.40	2.00	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1474	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.24	0.30	2.88	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Fire damage to base on east.		
1475	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	5.0	0.23	0.29	2.76	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1476	1		<i>Corymbia gummifera</i>	Red Bloodwood	18.5	4.0	0.23	0.28	2.76	1.94	Mature	Poor	Average	Tip Dieback	Short (5-15 years)	Endemic		3 Low			
1477	1		<i>Eucalyptus resinifera</i>	Red Mahogany	18.0	5.0	0.20	0.26	2.40	1.88	Mature	Poor	Average	Asymmetric Canopy Deadwood-Minor	Short (5-15 years)	Endemic		3 Low	Asymmetric to west.		
1478	1		<i>Corymbia gummifera</i>	Red Bloodwood	17.0	5.0	0.21	0.25	2.52	1.85	Mature	Poor	Average	Tip Dieback Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low	Asymmetric to west.		
1479	1		<i>Angophora costata</i>	Smooth-barked Apple	13.0	6.0	0.21	0.25	2.52	1.85	Over-mature	Moribund	Average	Deadwood-Major Tip Dieback	Remove (<5 years)	Endemic		2 Very Poor	Major dieback. Asymmetric to west.		
1480	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	6.0	0.23	0.25	2.76	1.85	Mature	Poor	Average	Asymmetric Canopy Deadwood-Minor Epicormic Growth	Medium (15-40 years)	Endemic		3 Low	Asymmetric to south-west.		
1481	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	10.0	0.53	0.63	6.36	2.73	Mature	Good	Average	Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic		4 Moderate			
1482	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.76	0.86	9.12	3.11	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1483	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.28	0.42	3.36	2.30	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Basal wound to east.		
1484	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.68	0.72	8.16	2.88	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1485	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	8.0	0.33	0.43	3.96	2.32	Over-mature	Poor	Average	Deadwood-Major Tip Dieback Cavity Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low	Major basal cavity to west. Asymmetric to west.		
1486	1		<i>Angophora costata</i>	Smooth-barked Apple	14.0	6.0	0.20	0.23	2.40	1.79	Over-mature	Poor	Average	Tip Dieback Asymmetric Canopy Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1487	1		<i>Angophora costata</i>	Smooth-barked Apple	15.5	6.0	0.27	0.33	3.24	2.08	Mature	Poor	Average	Tip Dieback Asymmetric Canopy Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1488	1		<i>Corymbia gummifera</i>	Red Bloodwood	14.0	5.0	0.17	0.21	2.04	1.72	Mature	Poor	Average	Tip Dieback	Short (5-15 years)	Endemic		3 Low			
1489	1		<i>Corymbia gummifera</i>	Red Bloodwood	15.0	5.0	0.22	0.25	2.64	1.85	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1490	1		<i>Angophora costata</i>	Smooth-barked Apple	12.0	3.0	0.21	0.25	2.52	1.85	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1491	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	3.0	0.21	0.24	2.52	1.82	Dead	Dead	Average	Deadwood-Major Decay-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value. Major decay		
1492	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	12.0	0.60	0.69	7.20	2.83	Mature	Good	Good	Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High		Pruning	Will likely need branches below 22m pruned to south-west. Branches to south-west at 15m and 18m need pruning. (2x200mm, 2 x 75mm).
1493	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.84	1.03	10.08	3.35	Mature	Good	Good	Deadwood-Major Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Termite mudding in upper branches. Flight cuts on trunk.		
1494	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.88	1.02	10.56	3.34	Mature	Good	Good	Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1495	1		<i>Eucalyptus pilularis</i>	Blackbutt	9.0	2.0	0.15	0.25	2.00	1.85	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1496	1		<i>Angophora costata</i>	Smooth-barked Apple	13.0	2.0	0.18	0.25	2.16	1.85	Mature	Moribund	Average	Tip Dieback Deadwood-Major	Remove (<5 years)	Endemic		2 Very Poor			
1497	1		<i>Eucalyptus pilularis</i>	Blackbutt	22.0	10.0	0.49	0.80	5.88	3.01	Mature	Fair	Poor	Deadwood-Major Co-dominant Stems Tip Dieback Epicormic Growth	Long (>40 years)	Endemic	Small Hollows or Spouts	3 Low			
1498	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	14.0	0.61	0.78	7.32	2.98	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1499	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	8.0	0.33	0.51	3.96	2.49	Mature	Poor	Average	Tip Dieback Deadwood-Major Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low	Asymmetric to west. Smaller trunk dead.		
1500	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.42	0.49	5.04	2.45	Mature	Good	Good		Long (>40 years)	Endemic		5 High			

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1501	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.55	0.67	6.60	2.80	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1502	1		<i>Corymbia gummifera</i>	Red Bloodwood	9.0	2.0	0.17	0.19	2.04	1.65	Senescent	Moribund	Average	Tip Dieback Deadwood-Major	Remove (<5 years)	Endemic		2 Very Poor			
1503	1		<i>Eucalyptus piperita</i>	Sydney Peppermint	21.0	8.0	0.41	0.67	4.92	2.80	Mature	Fair	Average	Co-dominant Stems Tip Dieback Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1504	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	12.0	0.50	0.64	6.00	2.74	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1505	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	8.0	0.38	0.45	4.56	2.37	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	Butt sweep growing out of rock.		
1506	1		<i>Syncarpia glomulifera</i>	Turpentine	13.5	4.0	0.29	0.35	3.48	2.13	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1507	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	12.0	0.47	0.57	5.64	2.61	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1508	1		<i>Angophora costata</i>	Smooth-barked Apple	23.0	6.0	0.32	0.60	3.84	2.67	Mature	Poor	Average	Tip Dieback Deadwood-Major Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low			
1509	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	5.0	0.25	0.33	3.00	2.08	Mature	Poor	Average	Tip Dieback Deadwood-Major Asymmetric Canopy	Short (5-15 years)	Endemic		3 Low			
1510	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.34	0.46	4.08	2.39	Mature	Normal	Average	Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Major wound to south-east.		
1511	1		<i>Eucalyptus pilularis</i>	Blackbutt	8.0	2.0	0.24	0.27	2.88	1.91	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1512	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	2.0	0.20	0.26	2.40	1.88	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1513	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	8.0	0.51	0.60	6.12	2.67	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south-west.	Remove	Within footprint and conflicting with structure of skywalk
1514	1		<i>Syncarpia glomulifera</i>	Turpentine	13.5	4.0	0.22	0.29	2.64	1.97	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
1515	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	8.0	0.43	0.50	5.16	2.47	Mature	Fair	Average	Asymmetric Canopy Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south-west.		
1516	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	3.0	0.20	0.23	2.40	1.79	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate	Wounding to east.		
1517	1		<i>Eucalyptus pilularis</i>	Blackbutt	17.0	2.0	0.20	0.26	2.40	1.88	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1518	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	14.0	0.73	0.93	8.76	3.21	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1519	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	5.0	0.27	0.37	3.24	2.18	Mature	Normal	Average	Termites	Long (>40 years)	Endemic		4 Moderate	Termite mudding and cavity to north at 1m.		
1520	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	5.0	0.31	0.38	3.72	2.20	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Fire wounding to base at north.		
1521	1		<i>Syncarpia glomulifera</i>	Turpentine	17.5	6.0	0.32	0.37	3.84	2.18	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future
1522	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	4.0	0.26	0.34	3.12	2.10	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future
1523	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	4.0	0.23	0.34	2.76	2.10	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1524	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	7.5	0.31	0.50	3.72	2.47	Mature	Poor	Average	Tip Dieback Deadwood-Major Cavity Termites Co-dominant Stems	Short (5-15 years)	Endemic	Small Hollows or Spouts	3 Low	Western trunk dead with termite mudding and small hollows.	Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future
1525	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	8.0	0.41	0.48	4.92	2.43	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1526	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	8.0	0.38	0.46	4.56	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1527	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	4.0	0.38	0.50	4.56	2.47	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future

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1528	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	7.5	0.23	0.34	2.76	2.10	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic	Small Hollows or Spouts	4 Moderate		Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future
1529	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	8.0	0.32	0.41	3.84	2.28	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	Asymmetric to west.	Remove	Under footprint and conflicting with structure of skywalk. Would require excessive pruning and would continue to grow into structure in future
1530	1		<i>Angophora costata</i>	Smooth-barked Apple	8.0	4.0	0.21	0.34	2.52	2.10	Mature	Poor	Poor	Tip Dieback Deadwood-Major Asymmetric Canopy Cavity Decay-Major	Short (5-15 years)	Endemic		2 Very Poor			
1531	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	4.0	0.29	0.56	3.48	2.59	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1532	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	8.0	0.51	0.61	6.12	2.69	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1533	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	12.0	0.57	0.66	6.84	2.78	Mature	Poor	Average	Deadwood-Major	Short (5-15 years)	Endemic	Small Hollows or Spouts	3 Low			
1534	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	10.0	0.26	0.32	3.12	2.05	Mature	Fair	Poor	Deadwood-Major Asymmetric Canopy Epicormic Growth	Medium (15-40 years)	Endemic	Small Hollows or Spouts	3 Low	Very asymmetric to west.		
1535	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	8.0	0.25	0.34	3.00	2.10	Mature	Fair	Poor	Epicormic Growth Deadwood-Minor	Medium (15-40 years)	Endemic	Small Hollows or Spouts	3 Low			
1536	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.70	0.81	8.40	3.03	Mature	Good	Good	Deadwood-Minor Cavity	Long (>40 years)	Endemic	Large Hollow	5 High	Basal cavity otherwise ok.	Pruning	Skywalk and pylon right at top of tree canopy. Will likely need branches pruned to south-west above 20m. (1x200mm, 2 x 100mm.)
1537	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.35	0.60	4.20	2.67	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1538	2		<i>Syncarpia glomulifera</i>	Turpentine	19.0	8.0	0.34	0.42	4.08	2.30	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Closely spaced group of two trees.		
1539	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	6.0	0.34	0.45	4.08	2.37	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Large basal wound to north.		
1540	1		<i>Corymbia gummifera</i>	Red Bloodwood	16.0	7.0	0.31	0.36	3.72	2.15	Over-mature	Poor	Average	Tip Dieback Deadwood-Minor Epicormic Growth	Short (5-15 years)	Endemic		3 Low		Remove	Poor quality tree and impacted by pylon construction and skywalk deck., Recommend removal to facilitate construction.
1541	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	8.0	0.36	0.46	4.32	2.39	Mature	Fair	Average	Deadwood-Minor Branch Tearouts	Medium (15-40 years)	Endemic		3 Low	Wounding and cracking around lower trunk.		
1542	1		<i>Angophora costata</i>	Smooth-barked Apple	15.5	12.0	0.50	0.65	6.00	2.76	Mature	Fair	Average	Deadwood-Minor Branch Tearouts	Medium (15-40 years)	Endemic		4 Moderate	Wounding and surface cracking around lower trunk.		
1543	1		<i>Angophora costata</i>	Smooth-barked Apple	12.0	7.0	0.20	0.24	2.40	1.82	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north-west.		
1544	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	7.0	0.43	0.55	5.16	2.57	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Basal fire wound to east, otherwise ok. Good reaction wood.		
1545	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	12.0	0.65	0.75	7.80	2.93	Mature	Good	Good	Deadwood-Minor Cavity	Long (>40 years)	Endemic	Large Hollow	5 High	Basal cavity otherwise ok.	Pruning	Skywalk and pylon right at top of tree canopy. Will likely need minor branches pruned to north-west above 20m. Lowest branches can stay. (2 x 150mm to west above 20m.)
1546	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	12.0	0.60	0.84	7.20	3.08	Mature	Good	Good	Deadwood-Minor Cavity	Long (>40 years)	Endemic		5 High		Pruning	Skywalk and pylon right at top of tree canopy. Will likely need minor branches pruned to north-west above 20m. Most of tree likely to sit under structure and will grow around. (2 x 200mm 1x 100mm.)
1547	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.57	0.66	6.84	2.78	Mature	Good	Good	Deadwood-Minor Cavity	Long (>40 years)	Endemic		5 High			
1548	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	14.0	0.91	1.22	10.92	3.60	Mature	Good	Good	Deadwood-Minor Cavity Co-dominant Stems	Long (>40 years)	Endemic		5 High	Growing on rock shelf. Lowest branch to eastern side at approximately 14.0m above ground.	Pruning	Skywalk. Will likely need branches pruned to north-west. (1x 300mm to south-east.)
1549	1		<i>Corymbia gummifera</i>	Red Bloodwood	12.0	6.0	0.23	0.36	2.76	2.15	Mature	Fair	Average	Deadwood-Minor Branch Tearouts	Medium (15-40 years)	Endemic		3 Low			
1550	1		<i>Angophora costata</i>	Smooth-barked Apple	18.5	9.0	0.36	0.48	4.32	2.43	Mature	Fair	Average	Deadwood-Minor Branch Tearouts Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate			
1551	1		<i>Angophora costata</i>	Smooth-barked Apple	14.0	4.0	0.30	0.48	3.60	2.43	Mature	Poor	Average	Branch Tearouts Deadwood-Major Epicormic Growth	Short (5-15 years)	Endemic		2 Very Poor			
1552	1		<i>Eucalyptus resinifera</i>	Red Mahogany	11.0	5.0	0.18	0.25	2.16	1.85	Mature	Fair	Average	Tip Dieback	Medium (15-40 years)	Endemic		3 Low			

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1553	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.74	0.85	8.88	3.09	Mature	Good	Good	Deadwood-Minor Cavity	Long (>40 years)	Endemic		5 High		Pruning	Skywalk and pylon right at top of tree canopy. Will likely need minor branches pruned to north-west above 20m. Most of tree likely to sit under structure and will grow around. Lower branches can be retained with 2 x 150mm upper branches to east removed.
1554	1		<i>Angophora costata</i>	Smooth-barked Apple	14.5	4.0	0.23	0.28	2.76	1.94	Mature	Fair	Average	Deadwood-Major	Medium (15-40 years)	Endemic		3 Low			
1555	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	8.0	0.36	0.44	4.32	2.34	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate			
1556	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	10.0	0.43	0.50	5.16	2.47	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate	Previously recorded as T27 but tage missing so retagged as 1556.	Pruning	Skywalk and pylon right at top of tree canopy. Will likely need some very minor branches pruned to north-west above 20m.
1557	1		<i>Eucalyptus pilularis</i>	Blackbutt	22.0	11.0	0.61	0.61	7.32	2.69	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1558	1		<i>Eucalyptus pilularis</i>	Blackbutt	24.0	16.0	0.78	0.87	9.36	3.12	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1559	1		<i>Syncarpia glomulifera</i>	Turpentine	15.5	8.0	0.58	0.60	6.96	2.67	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Endemic		5 High			
1560	1		<i>Angophora costata</i>	Smooth-barked Apple	14.0	4.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1561	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	4.0	0.18	0.22	2.16	1.75	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1562	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	18.0	4.0	0.32	0.38	3.84	2.20	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1563	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	6.0	0.22	0.26	2.64	1.88	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1564	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	6.0	0.27	0.34	3.24	2.10	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1565	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	6.0	0.26	0.33	3.12	2.08	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1566	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	4.0	0.16	0.20	2.00	1.68	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1567	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	8.0	0.31	0.39	3.72	2.23	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1568	5		<i>Syncarpia glomulifera</i>	Turpentine	14.0	4.0	0.21	0.26	2.52	1.88	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	Closely spaced group of 5 trees.		
1569	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	9.0	0.43	0.54	5.16	2.55	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1570	1		<i>Eucalyptus resinifera</i>	Red Mahogany	19.0	6.0	0.46	0.46	5.52	2.39	Mature	Fair	Average	Co-dominant Stems Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1571	1		<i>Eucalyptus pilularis</i>	Blackbutt	16.5	4.0	0.16	0.22	2.00	1.75	Mature	Normal	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west over road.		
1572	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	9.0	0.52	0.52	6.24	2.51	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate		Pruning	Skywalk and pylon right at top of tree canopy. Will likely need some very selective pruning and minor branches pruned to south-west above 20m.
1573	1		<i>Eucalyptus resinifera</i>	Red Mahogany	22.0	10.0	0.45	0.52	5.40	2.51	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Pruning	Skywalk and pylon right at top of tree canopy. Will likely need some very selective pruning and minor branches pruned to south-west above 20m.
1574	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	10.0	0.42	0.55	5.04	2.57	Mature	Fair	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1575	1		<i>Eucalyptus resinifera</i>	Red Mahogany	17.0	6.0	0.24	0.32	2.88	2.05	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1576	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	10.0	0.49	0.57	5.88	2.61	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1577	1		<i>Angophora costata</i>	Smooth-barked Apple	12.0	6.0	0.17	0.19	2.04	1.65	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		3 Low			
1578	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	4.0	0.45	0.57	5.40	2.61	Mature	Normal	Poor	Branch Tearouts Decay-Minor Epicormic Growth	Medium (15-40 years)	Endemic		3 Low	Decay and major tearout of primary leader.	Remove	Poor quality tree. Within foot print of skywalk. Recommend removal.
1579	1		<i>Allocasuarina littoralis</i>	Black She-Oak	12.0	6.0	0.19	0.24	2.28	1.82	Mature	Fair	Average		Medium (15-40 years)	Endemic		3 Low			
1580	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	12.0	0.68	0.78	8.16	2.98	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Pruning	Skywalk adjacent tree canopy. Will likely need some selective branches pruned to south-west below 23m. (2x 150mm)
1581	1		<i>Eucalyptus resinifera</i>	Red Mahogany	30.0	14.0	0.64	0.89	7.68	3.15	Mature	Normal	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		5 High			
1582	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	7.0	0.49	0.82	5.88	3.04	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		5 High	Minor basal wounding to centre of both stems.		

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1583	1		<i>Angophora costata</i>	Smooth-barked Apple	14.0	6.0	0.24	0.30	2.88	2.00	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1584	1		<i>Syncarpia glomulifera</i>	Turpentine	23.0	6.0	0.41	0.53	4.92	2.53	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		5 High			
1585	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	14.0	0.79	0.96	9.48	3.25	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High		Pruning	Skywalk and pylon adjacent tree canopy. Pylon disturbance outside SRZ. Will likely need some branches pruned to west below above 12 and below 28m. (Anticipate 1x250mm.)
1586	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	14.0	0.74	0.83	8.88	3.06	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1587	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	8.0	0.35	0.44	4.20	2.34	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1588	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	14.0	1.12	1.26	13.44	3.65	Mature	Good	Good	Decay-Minor Deadwood-Major Branch Tearouts Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Basal wounding to south.		
1589	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	5.0	0.21	0.28	2.52	1.94	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1590	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	10.0	0.46	0.52	5.52	2.51	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Asymmetric to west.		
1591	1		<i>Syncarpia glomulifera</i>	Turpentine	20.0	7.0	0.43	0.50	5.16	2.47	Mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1592	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	14.0	0.97	1.10	11.64	3.44	Mature	Good	Good	Termites Co-dominant Stems Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1593	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	5.0	0.31	0.39	3.72	2.23	Mature	Good	Average	Asymmetric Canopy Cavity	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west. Basal wound and cavity.		
1594	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	5.0	0.44	0.49	5.28	2.45	Mature	Good	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1595	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	4.0	0.17	0.25	2.04	1.85	Mature	Normal	Average	Co-dominant Stems Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1596	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	5.0	0.35	0.47	4.20	2.41	Mature	Good	Good		Long (>40 years)	Endemic		5 High		Pruning	Skywalk adjacent tree canopy. Will likely need some very minor branches pruned to north-west above 16m.
1597	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	16.0	1.05	1.05	12.60	3.38	Mature	Good	Good	Termites Co-dominant Stems Deadwood-Major Epicormic Growth Decay-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Branch to north starts at 15.5m. Wounding and minor decay to western trunk on north side at 4-6m agl.	Remove	Within direct conflict and footprint of skywalk.
1598	1		<i>Syncarpia glomulifera</i>	Turpentine	15.5	6.0	0.25	0.29	3.00	1.97	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1599	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.32	0.40	3.84	2.25	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1600	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.36	0.37	4.32	2.18	Mature	Good	Good	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.	Pruning	Skywalk adjacent tree canopy. Will likely need some very minor branches pruned to south-east above 16m.
1601	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	10.0	0.55	0.78	6.60	2.98	Mature	Good	Average	Asymmetric Canopy Decay-Minor Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Basal wound and decay. Included main junction.		
1602	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	6.0	0.19	0.25	2.28	1.85	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1603	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	6.0	0.33	0.35	3.96	2.13	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west. Wounding to trunk.		
1604	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	6.0	0.26	0.33	3.12	2.08	Mature	Fair	Average	Asymmetric Canopy Decay-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west. Wounding to trunk.		
1605	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	6.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Asymmetric Canopy Decay-Minor Lean-Minor Root Impacts	Medium (15-40 years)	Endemic		3 Low	Asymmetric to east. Washout and erosion to base, hence lean.		
1606	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	5.0	0.28	0.33	3.36	2.08	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1607	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	18.0	0.92	1.17	11.04	3.53	Mature	Good	Good	Termites Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic	Small Hollows or Spouts	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	Removal	Removal Notes
1608	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	16.0	0.62	0.73	7.44	2.90	Mature	Good	Good	Termites Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1609	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	16.0	0.79	0.98	9.48	3.28	Mature	Good	Average	Termites Deadwood-Major Epicormic Growth Lean-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	Suspected historic root plate failure. Tree leaning to south-east. Will be supported by neighbouring trees if further failure occurred.		
1610	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	8.0	0.39	0.44	4.68	2.34	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
1611	1		<i>Angophora costata</i>	Smooth-barked Apple	23.0	12.0	0.73	0.74	8.76	2.92	Mature	Fair	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1612	1		<i>Syncarpia glomulifera</i>	Turpentine	9.0	5.0	0.16	0.20	2.00	1.68	Semi-mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1613	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	6.0	0.22	0.25	2.64	1.85	Mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate			
1614	1		<i>Syncarpia glomulifera</i>	Turpentine	20.5	5.0	0.26	0.30	3.12	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1615	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	5.0	0.23	0.29	2.76	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1616	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	5.0	0.20	0.26	2.40	1.88	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1617	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	5.0	0.18	0.24	2.16	1.82	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1618	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	10.0	0.50	0.62	6.00	2.71	Mature	Normal	Average		Long (>40 years)	Endemic		5 High			
1619	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	9.0	0.47	0.60	5.64	2.67	Mature	Normal	Average	Cavity Asymmetric Canopy	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Fire wounding and basal cavity. Good reaction wood. Asymmetric to north.		
1620	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	6.0	0.25	0.33	3.00	2.08	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1621	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.20	0.26	2.40	1.88	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1622	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	5.0	0.23	0.26	2.76	1.88	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1623	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	16.0	1.17	1.39	14.04	3.80	Mature	Good	Good	Termites Deadwood-Major Epicormic Growth Decay-Major Cavity	Long (>40 years)	Endemic	Small Hollows or Spouts Large Hollow	5 High	Major basal cavity and wounding but good reaction wood.		
1624	1		<i>Livistona australis</i>	Cabbage Palm	6.0	6.0	0.25	0.40	3.00	2.25	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Growing on edge of creek bank.		
1625	1		<i>Livistona australis</i>	Cabbage Palm	7.0	6.0	0.25	0.40	3.00	2.25	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Growing on edge of creek bank.		
1626	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	6.0	0.21	0.28	2.52	1.94	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1627	1		<i>Eucalyptus pilularis</i>	Blackbutt	34.0	20.0	1.01	1.13	12.12	3.48	Mature	Good	Good	Termites Deadwood-Major Epicormic Growth	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Prominent tree from road.		
1628	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	7.0	0.28	0.30	3.36	2.00	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate			
1629	1		<i>Eucalyptus pilularis</i>	Blackbutt	8.0	1.0	0.30	0.50	3.60	2.47	Dead	Dead	Average	Deadwood-Major Decay-Minor	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1630	1		<i>Angophora costata</i>	Smooth-barked Apple	24.0	10.0	0.44	0.50	5.28	2.47	Mature	Poor	Average	Deadwood-Major	Short (5-15 years)	Endemic		3 Low		Pruning	Skywalk and pylon adjacent tree canopy. Pylon disturbance outside SRZ. Will likely need some branches pruned to south-west below above 13m to facilitate pylon platform. (1x 150mm)
1631	1		<i>Phoenix canariensis</i>	Canary Island Date Palm	8.0	6.0	0.60	0.90	7.20	3.17	Mature	Poor	Average	Deadwood-Major	Remove (<5 years)	Invasive		2 Very Poor		Remove	Within footprint of skywalk and invasive species therefore recommend removal.
1632	1		<i>Angophora costata</i>	Smooth-barked Apple	25.0	12.0	0.62	1.30	7.44	3.69	Mature	Fair	Average	Deadwood-Major Co-dominant Stems	Medium (15-40 years)	Endemic		3 Low	Tridominant trunks.		
1633	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	8.0	0.43	0.52	5.16	2.51	Mature	Good	Good		Long (>40 years)	Endemic		5 High		Remove	Within direct conflict and footprint of skywalk.
1634	1		<i>Syncarpia glomulifera</i>	Turpentine	19.5	5.0	0.20	0.24	2.40	1.82	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1635	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	4.0	0.22	0.27	2.64	1.91	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.

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1636	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	4.0	0.27	0.39	3.24	2.23	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1637	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.33	0.38	3.96	2.20	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1638	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	5.0	0.41	0.53	4.92	2.53	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Prominent tree from road.		
1639	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	8.0	0.31	0.34	3.72	2.10	Mature	Poor	Poor	Branch Tearouts Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1640	1		<i>Angophora costata</i>	Smooth-barked Apple	20.0	9.0	0.42	0.46	5.04	2.39	Mature	Fair	Average	Termites Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west.		
1641	1		<i>Angophora costata</i>	Smooth-barked Apple	14.0	3.0	0.30	0.32	3.60	2.05	Mature	Moribund	Poor	Deadwood-Major Termites Epicomic Growth	Remove (<5 years)	Endemic		2 Very Poor			
1642	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	10.0	0.64	0.73	7.68	2.90	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1643	1		<i>Angophora costata</i>	Smooth-barked Apple	17.0	8.0	0.30	0.30	3.60	2.00	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north.		
1644	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	6.0	0.35	0.38	4.20	2.20	Mature	Normal	Average	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.		
1645	1		<i>Eucalyptus pilularis</i>	Blackbutt	12.0	5.0	0.17	0.24	2.04	1.82	Semi-mature	Fair	Poor	Deadwood-Major Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to east.		
1646	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	12.0	0.47	0.53	5.64	2.53	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate			
1647	1		<i>Angophora costata</i>	Smooth-barked Apple	9.0	4.0	0.17	0.20	2.04	1.68	Mature	Moribund	Poor	Deadwood-Major	Remove (<5 years)	Endemic		2 Very Poor		Remove	Within direct conflict and footprint of skywalk lift tower.
1648	1		<i>Angophora costata</i>	Smooth-barked Apple	20.0	14.0	0.46	0.49	5.52	2.45	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk lift tower.
1649	1		<i>Eucalyptus resinifera</i>	Red Mahogany	26.0	12.0	0.48	0.59	5.76	2.65	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic		5 High		Remove	Within direct conflict and footprint of skywalk lift tower.
1650	1		<i>Eucalyptus resinifera</i>	Red Mahogany	18.0	8.0	0.23	0.25	2.76	1.85	Mature	Fair	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1651	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	9.0	0.53	0.63	6.36	2.73	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1652	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	9.0	0.20	0.23	2.40	1.79	Mature	Good	Average	Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1653	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	10.0	0.39	0.44	4.68	2.34	Mature	Poor	Poor	Deadwood-Major Asymmetric Canopy Pest/Disease	Remove (<5 years)	Endemic		3 Low	Asymmetric to north-west.	Remove	Within direct conflict and footprint of skywalk.
1654	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	12.0	0.68	0.85	8.16	3.09	Mature	Fair	Average	Pest/Disease Co-dominant Stems Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	Tridiminant trunks.	Pruning	Skywalk adjacent tree canopy. Will likely need some branches pruned to east above 8m but below 12m to facilitate, but can probably be worked around and retained. (1 x 200mm, 1x 150mm)
1655	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	20.0	1.46	1.60	15.00	4.03	Mature	Good	Good	Deadwood-Major Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Significant tree.	Pruning	Skywalk and pylon adjacent tree canopy. Pylon disturbance outside SRZ. Will likely need some branches pruned to east above 10m and below 15m to facilitate pylon platform.
1656	1		<i>Eucalyptus resinifera</i>	Red Mahogany	20.0	8.0	0.39	0.42	4.68	2.30	Mature	Poor	Average	Termites Deadwood-Major Decay-Major	Medium (15-40 years)	Endemic		3 Low	Extensive termite damage and mudding.		
1657	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.17	0.22	2.04	1.75	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate		Pruning	Skywalk adjacent tree canopy but near top of tree. Will likely need numerous upper branches pruned to north-east above 12m to facilitate, but can probably be worked around and retained.
1658	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.22	0.27	2.64	1.91	Mature	Good	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1659	1		<i>Syncarpia glomulifera</i>	Turpentine	23.0	8.0	0.49	0.60	5.88	2.67	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1660	1		<i>Allocasuarina littoralis</i>	Black She-Oak	16.0	6.0	0.17	0.30	2.04	2.00	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to west.		
1661	1		<i>Eucalyptus resinifera</i>	Red Mahogany	22.0	8.0	0.41	0.50	4.92	2.47	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1662	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.16	0.19	2.00	1.65	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate			
1663	1		<i>Allocasuarina littoralis</i>	Black She-Oak	12.0	8.0	0.17	0.21	2.04	1.72	Mature	Poor	Poor	Asymmetric Canopy Lean-Major	Short (5-15 years)	Endemic		2 Very Poor	Asymmetric to west.		
1664	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.45	0.59	5.40	2.65	Mature	Normal	Average	Cavity	Long (>40 years)	Endemic	Large Hollow	4 Moderate	Basal wound and cavity.		

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1665	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.21	0.28	2.52	1.94	Mature	Normal	Average		Long (>40 years)	Endemic	Basal Hollow	4 Moderate			
1666	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.26	0.34	3.12	2.10	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1667	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	9.0	0.50	0.65	6.00	2.76	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1668	1		<i>Angophora costata</i>	Smooth-barked Apple	17.0	10.0	0.24	0.28	2.88	1.94	Mature	Fair	Poor	Pest/Disease Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to east.		
1669	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	6.0	0.27	0.31	3.24	2.02	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1670	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	7.0	0.27	0.36	3.24	2.15	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1671	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	8.0	0.41	0.49	4.92	2.45	Mature	Fair	Poor	Deadwood-Minor Asymmetric Canopy Branch Tearouts Decay-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to west		
1672	1		<i>Eucalyptus pilularis</i>	Blackbutt	24.0	9.0	0.55	0.70	6.60	2.85	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor Termites	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north-west.		
1673	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.83	0.98	9.96	3.28	Mature	Normal	Good	Asymmetric Canopy Deadwood-Minor Termites	Long (>40 years)	Endemic		5 High			
1674	1		<i>Eucalyptus resinifera</i>	Red Mahogany	18.0	4.0	0.20	0.24	2.40	1.82	Mature	Poor	Poor	Deadwood-Minor Poor Taper Cavity	Short (5-15 years)	Endemic	Small Hollows or Spouts	2 Very Poor			
1675	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	12.0	0.45	0.50	5.40	2.47	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to east.		
1676	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	10.0	0.42	0.52	5.04	2.51	Mature	Fair	Average	Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north.		
1677	1		<i>Angophora costata</i>	Smooth-barked Apple	17.0	8.0	0.32	0.32	3.84	2.05	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north-east.		
1678	1		<i>Banksia serrata</i>	Old Man Banksia	8.0	6.0	0.16	0.20	2.00	1.68	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate			
1679	1		<i>Eucalyptus acmenoides</i>	White Mahogany	14.0	3.0	0.18	0.24	2.16	1.82	Semi-mature	Poor	Poor	Termites Deadwood-Major Tip Dieback	Short (5-15 years)	Endemic		2 Very Poor	Active termites.		
1680	1		<i>Eucalyptus acmenoides</i>	White Mahogany	19.0	3.0	0.25	0.32	3.00	2.05	Semi-mature	Poor	Average	Deadwood-Major Tip Dieback Epicormic Growth	Short (5-15 years)	Endemic		2 Very Poor			
1681	1		<i>Syncarpia glomulifera</i>	Turpentine	24.0	8.0	0.42	0.55	5.04	2.57	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1682	1		<i>Syncarpia glomulifera</i>	Turpentine	26.0	10.0	0.65	0.70	7.80	2.85	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1683	1		<i>Corymbia gummifera</i>	Red Bloodwood	18.0	3.0	0.23	0.40	2.76	2.25	Dead	Dead	Average	Termites Decay-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1684	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	4.0	0.19	0.26	2.28	1.88	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1685	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	4.0	0.34	0.46	4.08	2.39	Mature	Good	Good	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	4 trunks.		
1686	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	16.0	1.00	1.13	12.00	3.48	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Major termite mudding and satellite nest.	Pruning	Suspension bridge adjacent upper tree canopy. Will likely need some minor branches pruned to south above 25m but below 13m to facilitate, but should definitely be worked around and retained.
1687	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	9.0	0.40	0.44	4.80	2.34	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to north-east.		
1688	1		<i>Angophora costata</i>	Smooth-barked Apple	15.0	7.0	0.34	0.38	4.08	2.20	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1689	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.52	0.63	6.24	2.73	Mature	Normal	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate			
1690	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	31.0	10.0	0.47	0.55	5.64	2.57	Mature	Fair	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate			
1691	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	31.0	8.0	0.43	0.57	5.16	2.61	Mature	Fair	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate			
1692	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	4.0	0.18	0.23	2.16	1.79	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			

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1693	1		<i>Eucalyptus resinifera</i>	Red Mahogany	16.0	6.0	0.19	0.25	2.28	1.85	Mature	Fair	Average	Termites	Long (>40 years)	Endemic		3 Low			
1694	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.59	0.69	7.08	2.83	Mature	Normal	Average	Deadwood-Minor Lean-Minor Termites	Long (>40 years)	Endemic		4 Moderate	Lean to west but corrected. Lowest western branch at 7.0m to west.	Pruning	Skywalk adjacent upper tree canopy. Will likely need some branches pruned to west above 20m to facilitate, but should be worked around and retained. (1x150mm and 1 x 100mm)
1695	1		<i>Allocasuarina torulosa</i>	Forest Oak	11.0	5.0	0.18	0.23	2.16	1.79	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1696	1		<i>Allocasuarina torulosa</i>	Forest Oak	12.0	5.0	0.20	0.24	2.40	1.82	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1697	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	7.0	0.30	0.35	3.60	2.13	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1698	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	12.0	0.57	0.68	6.84	2.81	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate			
1699	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	10.0	0.40	0.45	4.80	2.37	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west.	Pruning	Skywalk adjacent very upper portion of tree canopy. Will likely need some branches pruned to west above 18m to facilitate, but should be worked around and retained.
1700	1		<i>Allocasuarina torulosa</i>	Forest Oak	12.0	5.0	0.18	0.25	2.16	1.85	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1701	1		<i>Allocasuarina torulosa</i>	Forest Oak	9.5	6.0	0.20	0.29	2.40	1.97	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate			
1702	1		<i>Allocasuarina torulosa</i>	Forest Oak	11.0	6.0	0.18	0.21	2.16	1.72	Mature	Normal	Average		Medium (15-40 years)	Endemic		4 Moderate			
1703	1		<i>Eucalyptus resinifera</i>	Red Mahogany	24.0	10.0	0.45	0.55	5.40	2.57	Mature	Normal	Average	Termites	Long (>40 years)	Endemic		4 Moderate			
1704	1		<i>Eucalyptus pilularis</i>	Blackbutt	14.0	2.0	0.20	0.22	2.40	1.75	Dead	Dead	Average	Termites Decay-Minor Deadwood-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
1705	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	12.0	0.63	0.76	7.56	2.95	Mature	Normal	Average	Deadwood-Minor Lean-Minor Termites	Long (>40 years)	Endemic		4 Moderate			
1706	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	8.0	0.31	0.36	3.72	2.15	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to south.		
1707	1		<i>Allocasuarina littoralis</i>	Black She-Oak	9.0	6.0	0.16	0.18	2.00	1.61	Dead	Dead	Average		Short (5-15 years)	Endemic		1 Dead		Remove	Within direct conflict and footprint of skywalk.
1708	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	8.0	0.32	0.32	3.84	2.05	Mature	Fair	Average	Deadwood-Minor Bulldges	Medium (15-40 years)	Endemic		4 Moderate			
1709	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	8.0	0.26	0.30	3.12	2.00	Mature	Poor	Average	Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
1710	1		<i>Angophora costata</i>	Smooth-barked Apple	19.5	10.0	0.35	0.41	4.20	2.28	Mature	Fair	Average	Deadwood-Minor Epicormic Growth	Medium (15-40 years)	Endemic		4 Moderate			
1711	1		<i>Banksia serrata</i>	Old Man Banksia	8.0	7.0	0.16	0.18	2.00	1.61	Mature	Normal	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to west. Growing on top of rock outcrop.		
1712	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.55	0.62	6.60	2.71	Mature	Normal	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		5 High	Prominent tree from road on down slope near bike timber wall.	Pruning	Skywalk and pylon adjacent tree canopy. Will likely need some branches pruned to south above 8m but below 13m to facilitate, but should definitely be worked around and retained.
1713	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.5	7.0	0.24	0.26	2.88	1.88	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1714	1		<i>Casuarina glauca</i>	Swamp She-Oak	17.0	2.0	0.17	0.22	2.04	1.75	Semi-mature	Normal	Average		Long (>40 years)	Native		3 Low			
1715	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	6.0	0.27	0.35	3.24	2.13	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1716	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	2.0	0.17	0.22	2.04	1.75	Mature	Poor	Poor		Short (5-15 years)	Endemic		2 Very Poor			
1717	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	8.0	0.42	0.55	5.04	2.57	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1718	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	3.0	0.16	0.24	2.00	1.82	Mature	Fair	Average		Medium (15-40 years)	Endemic		3 Low			
1719	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	5.0	0.26	0.31	3.12	2.02	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1720	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	5.0	0.23	0.29	2.76	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1721	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	8.0	0.38	0.55	4.56	2.57	Mature	Good	Good		Long (>40 years)	Endemic	Basal Hollow	5 High	Small basal wound and hollow.		

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1722	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	12.0	0.62	0.80	7.44	3.01	Mature	Good	Good	Termites Deadwood-Major Cavity	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Small basal hollow and large termite nest at 8.0m to east side.		
1723	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.78	0.95	9.36	3.24	Mature	Good	Good	Deadwood-Major Termites Branch Tearouts	Long (>40 years)	Endemic		5 High			
1724	1		<i>Angophora costata</i>	Smooth-barked Apple	23.0	8.0	0.42	0.46	5.04	2.39	Mature	Poor	Average	Deadwood-Major	Short (5-15 years)	Endemic		3 Low			
1725	1		<i>Acmena smithii</i>	Lilly Pilly	12.0	8.0	0.18	0.23	2.16	1.79	Mature	Good	Average		Short (5-15 years)	Endemic		4 Moderate			
1726	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	5.0	0.19	0.25	2.28	1.85	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1727	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.26	0.30	3.12	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1728	1		<i>Syncarpia glomulifera</i>	Turpentine	25.0	8.0	0.64	0.76	7.68	2.95	Mature	Normal	Average		Long (>40 years)	Endemic		5 High			
1729	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	5.0	0.28	0.33	3.36	2.08	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1730	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	14.0	0.79	0.88	9.48	3.14	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic		5 High		Pruning	Skywalk and pylon adjacent tree canopy. Pylon disturbance outside SRZ. Will likely need some branches pruned to west below above 13 and below 17m. Minimal pruning expected.
1731	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	12.0	0.57	0.66	6.84	2.78	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1732	1		<i>Angophora costata</i>	Smooth-barked Apple	23.0	10.0	0.53	0.65	6.36	2.76	Mature	Fair	Average	Deadwood-Major	Short (5-15 years)	Endemic		4 Moderate			
1733	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	6.0	0.25	0.28	3.00	1.94	Mature	Fair	Average	Deadwood-Major	Medium (15-40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1734	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	5.0	0.20	0.26	2.40	1.88	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1735	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.29	0.32	3.48	2.05	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1736	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	5.0	0.24	0.30	2.88	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1737	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	14.0	0.60	0.72	7.20	2.88	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1738	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.77	0.81	9.24	3.03	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1739	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	18.0	0.86	1.08	10.32	3.42	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1740	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.78	1.00	9.36	3.31	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1741	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	18.0	0.78	0.91	9.36	3.18	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1742	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	14.0	0.57	0.73	6.84	2.90	Mature	Good	Good	Termites Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Asymmetric to north-east.		
1743	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	14.0	0.65	0.78	7.80	2.98	Mature	Good	Good	Termites Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Asymmetric to east.		
1744	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.49	0.52	5.88	2.51	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1745	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Average		Medium (15-40 years)	Endemic		3 Low	Wounding to south.		
1746	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.33	0.39	3.96	2.23	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1747	2		<i>Syncarpia glomulifera</i>	Turpentine	13.0	4.0	0.23	0.23	2.76	1.79	Mature	Fair	Average		Medium (15-40 years)	Endemic		3 Low	Closely spaced group of 2		
1748	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.37	0.45	4.44	2.37	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1749	1		<i>Syncarpia glomulifera</i>	Turpentine	7.0	3.0	0.23	0.27	2.76	1.91	Dead	Dead	Average		Short (5-15 years)	Endemic		1 Dead	Little habitat value.		
1750	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.35	0.46	4.20	2.39	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.

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1751	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	9.0	0.45	0.56	5.40	2.59	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High		Pruning	Skywalk adjacent tree canopy. Will likely need some branches pruned to west above 10m and below 15m.
1752	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	6.0	0.49	0.60	5.88	2.67	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1753	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	9.0	0.40	0.47	4.80	2.41	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.	Remove	Canopy asymmetric towards and conflicting with skywalk. Would require substantial canopy pruning, therefore recommended to remove to facilitate construction and prevent ongoing maintenance burdens.
1754	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	14.0	0.63	0.70	7.56	2.85	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1755	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	14.0	0.70	0.80	8.40	3.01	Mature	Normal	Average	Termites Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.		
1756	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	14.0	0.66	0.71	7.92	2.87	Mature	Good	Average	Termites Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Asymmetric to north-east.		
1757	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	10.0	0.54	0.60	6.48	2.67	Mature	Fair	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to north-east.		
1758	1		<i>Angophora costata</i>	Smooth-barked Apple	22.0	5.0	0.31	0.34	3.72	2.10	Mature	Poor	Poor	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low	Minimal foliage.		
1759	1		<i>Eucalyptus resinifera</i>	Red Mahogany	30.0	9.0	0.47	0.54	5.64	2.55	Mature	Poor	Average	Tip Dieback Termites Deadwood-Major Decay-Minor	Short (5-15 years)	Endemic		2 Very Poor	Minimal foliage. Kookaburras nesting in termite nest mid trunk.		
1760	1		<i>Eucalyptus resinifera</i>	Red Mahogany	29.0	6.0	0.35	0.44	4.20	2.34	Mature	Poor	Average	Tip Dieback Termites Deadwood-Major Decay-Minor	Short (5-15 years)	Endemic		3 Low	Minimal foliage.		
1761	1		<i>Angophora costata</i>	Smooth-barked Apple	28.0	10.0	0.48	0.56	5.76	2.59	Mature	Poor	Poor	Tip Dieback Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		3 Low	Asymmetric to east.		
1762	1		<i>Syncarpia glomulifera</i>	Turpentine	12.0	4.0	0.18	0.23	2.16	1.79	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to east.		
1763	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	5.0	0.30	0.39	3.60	2.23	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to east.		
1764	1		<i>Eucalyptus pilularis</i>	Blackbutt	15.0	3.0	1.11	1.25	13.32	3.63	Dead	Dead	Average	Deadwood-Major Decay-Major Termites	Short (5-15 years)	Endemic	Basal Hollow	1 Dead	Massive basal hollow.	Remove	Within footprint of skywalk and dead tree therefore recommend removal.
1765	1		<i>Eucalyptus pilularis</i>	Blackbutt	33.0	18.0	0.86	0.96	10.32	3.25	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1766	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	8.0	0.56	0.68	6.72	2.81	Mature	Normal	Average		Long (>40 years)	Endemic		5 High			
1767	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.23	0.28	2.76	1.94	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1768	1		<i>Allocasuarina littoralis</i>	Black She-Oak	13.0	6.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1769	1		<i>Syncarpia glomulifera</i>	Turpentine	18.5	8.0	0.41	0.48	4.92	2.43	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1770	1		<i>Allocasuarina littoralis</i>	Black She-Oak	14.0	6.0	0.20	0.27	2.40	1.91	Mature	Normal	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1771	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.15	0.18	2.00	1.61	Semi-mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Close to road edge.		
1772	1		<i>Eucalyptus resinifera</i>	Red Mahogany	15.0	4.0	0.16	0.26	2.00	1.88	Semi-mature	Fair	Poor	Deadwood-Minor	Long (>40 years)	Endemic		3 Low			
1773	1		<i>Eucalyptus resinifera</i>	Red Mahogany	17.0	4.0	0.20	0.24	2.40	1.82	Semi-mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to north-east.		
1774	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	10.0	0.40	0.46	4.80	2.39	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1775	1		<i>Allocasuarina littoralis</i>	Black She-Oak	15.0	7.0	0.16	0.19	2.00	1.65	Mature	Fair	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west.		
1776	1		<i>Angophora costata</i>	Smooth-barked Apple	23.0	10.0	0.47	0.55	5.64	2.57	Mature	Normal	Average	Asymmetric Canopy Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1777	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	10.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean at base then corrected.		

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	Removal	Removal Notes
1778	1		<i>Syncarpia glomulifera</i>	Turpentine	16.5	8.0	0.44	0.46	5.28	2.39	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean at base then corrected.		
1779	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	12.0	0.77	0.93	9.24	3.21	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1780	1		<i>Allocasuarina littoralis</i>	Black She-Oak	16.0	6.0	0.17	0.22	2.04	1.75	Mature	Fair	Average		Long (>40 years)	Endemic		3 Low			
1781	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	6.0	0.18	0.24	2.16	1.82	Semi-mature	Normal	Good		Long (>40 years)	Endemic		4 Moderate			
1782	1		<i>Acer negundo</i>	Box Elder	18.0	14.0	0.43	0.52	5.16	2.51	Mature	Normal	Average		Long (>40 years)	Exotic		3 Low	Semi invasive. Should be targeted for removal.		
1783	1		<i>Allocasuarina littoralis</i>	Black She-Oak	14.0	6.0	0.28	0.32	3.36	2.05	Mature	Normal	Average	Branch Tearouts Co-dominant Stems Inclusions	Long (>40 years)	Endemic		4 Moderate	Northern trunk torn out at 3.0m.		
1784	1		<i>Allocasuarina littoralis</i>	Black She-Oak	13.0	8.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to north.		
1785	1		<i>Allocasuarina littoralis</i>	Black She-Oak	11.0	9.0	0.31	0.37	3.72	2.18	Over-mature	Fair	Poor	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to north.		
1786	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	10.0	0.43	0.53	5.16	2.53	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1787	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	10.0	0.38	0.44	4.56	2.34	Mature	Fair	Poor	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to south-east.		
1788	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	12.0	0.44	0.54	5.28	2.55	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1789	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	17.0	10.0	0.19	0.24	2.28	1.82	Mature	Poor	Suppressed	Lean-Minor Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	Ver asymmetric to east.		
1790	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	19.0	9.0	0.22	0.30	2.64	2.00	Mature	Fair	Poor	Lean-Minor Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		3 Low	Ver asymmetric to east.		
1791	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	6.0	0.23	0.29	2.76	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1792	1		<i>Eucalyptus microcorys</i>	Tallowood	29.0	12.0	0.46	0.57	5.52	2.61	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Native		4 Moderate			
1793	1		<i>Angophora costata</i>	Smooth-barked Apple	25.0	9.0	0.45	0.61	5.40	2.69	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate			
1794	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	20.0	8.0	0.29	0.35	3.48	2.13	Mature	Fair	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1795	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	14.0	0.59	0.66	7.08	2.78	Mature	Normal	Good	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		5 High	Trunk wound with bracket fungus to east at 3m.		
1796	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	8.0	0.45	0.51	5.40	2.49	Mature	Normal	Average	Termites	Long (>40 years)	Endemic		4 Moderate			
1797	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	14.0	0.34	0.45	4.08	2.37	Mature	Fair	Average	Deadwood-Major Tip Dieback	Long (>40 years)	Endemic		4 Moderate	Minimal foliage, relatively poor condition.		
1798	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	14.0	0.52	0.66	6.24	2.78	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1799	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	5.0	0.23	0.29	2.76	1.97	Mature	Fair	Average	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		3 Low			
1800	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.29	0.40	3.48	2.25	Mature	Fair	Average	Deadwood-Minor Tip Dieback Decay-Minor	Medium (15-40 years)	Endemic		3 Low			
1801	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.22	0.27	2.64	1.91	Mature	Poor	Average	Deadwood-Minor Tip Dieback Termites Decay-Major	Short (5-15 years)	Endemic		2 Very Poor			
1802	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	23.0	10.0	0.32	0.37	3.84	2.18	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1803	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	18.0	8.0	0.20	0.28	2.40	1.94	Mature	Poor	Suppressed	Deadwood-Minor Tip Dieback	Long (>40 years)	Endemic		3 Low			
1804	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	6.0	0.26	0.30	3.12	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1805	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	26.0	10.0	0.36	0.41	4.32	2.28	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1806	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	6.0	0.34	0.39	4.08	2.23	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1807	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	26.0	10.0	0.39	0.45	4.68	2.37	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	Asymmetric to north.		

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1808	1		<i>Eucalyptus pilularis</i>	Blackbutt	8.0	10.0	0.16	0.20	2.00	1.68	Mature	Fair	Poor	Lean-Major Asymmetric Canopy Termites	Medium (15-40 years)	Endemic		2 Very Poor	Very poor form. Extreme asymmetric to east.		
1809	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	6.0	0.28	0.33	3.36	2.08	Mature	Normal	Average	Termites	Long (>40 years)	Endemic		4 Moderate			
1810	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.21	0.24	2.52	1.82	Mature	Fair	Average	Termites	Medium (15-40 years)	Endemic		4 Moderate			
1811	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	25.0	5.0	0.22	0.27	2.64	1.91	Mature	Fair	Average	Termites Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.		
1812	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	6.0	0.35	0.40	4.20	2.25	Mature	Normal	Average	Termites Lean-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north.		
1813	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	8.0	0.03	0.34	2.00	2.10	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
1814	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	17.0	7.0	0.20	0.26	2.40	1.88	Mature	Poor	Average	Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Endemic		3 Low	Asymmetric to east.		
1815	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	18.0	7.0	0.22	0.23	2.64	1.79	Mature	Normal	Average	Asymmetric Canopy Pest/Disease	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north. Borers.		
1816	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	21.0	8.0	0.46	0.50	5.52	2.47	Mature	Normal	Average	Asymmetric Canopy Pest/Disease	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1817	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	24.0	10.0	0.39	0.43	4.68	2.32	Mature	Normal	Average		Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1818	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.22	0.28	2.64	1.94	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1819	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	6.0	0.26	0.29	3.12	1.97	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1820	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	24.0	12.0	0.44	0.49	5.28	2.45	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1821	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	21.0	6.0	0.22	0.29	2.64	1.97	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
1822	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	19.0	6.0	0.22	0.24	2.64	1.82	Mature	Fair	Average	Asymmetric Canopy	Long (>40 years)	Endemic		3 Low	Asymmetric to south.		
1823	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	10.0	0.37	0.39	4.44	2.23	Mature	Normal	Average		Long (>40 years)	Endemic		5 High			
1824	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	12.0	0.52	0.62	6.24	2.71	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1825	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	12.0	0.39	0.49	4.68	2.45	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1826	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	6.0	0.17	0.25	2.04	1.85	Mature	Poor	Average	Tip Dieback	Medium (15-40 years)	Endemic		3 Low			
1827	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	10.0	0.32	0.38	3.84	2.20	Mature	Normal	Average	Asymmetric Canopy Termites Lean-Minor	Long (>40 years)	Endemic		4 Moderate	Very asymmetric to north.		
1828	1		<i>Eucalyptus pilularis</i>	Blackbutt	22.0	10.0	0.54	0.57	6.48	2.61	Mature	Normal	Average	Termites Lean-Minor	Long (>40 years)	Endemic		5 High			
1829	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	20.0	1.08	1.22	12.96	3.60	Mature	Normal	Average	Termites	Long (>40 years)	Endemic		5 High	Very large tree close to Quarry Rd.		
1830	1		<i>Eucalyptus pilularis</i>	Blackbutt	20.5	7.0	0.23	0.28	2.76	1.94	Semi-mature	Normal	Average	Termites	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of QuarryRd/Crusher Plant Boardwalk entry.
1831	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	8.0	0.40	0.49	4.80	2.45	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
1832	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	6.0	0.29	0.43	3.48	2.32	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate			
1833	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	12.0	0.87	1.12	10.44	3.47	Mature	Normal	Average	Termites Lean-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1834	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	8.0	0.23	0.30	2.76	2.00	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1835	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	10.0	0.48	0.53	5.76	2.53	Mature	Normal	Good		Long (>40 years)	Endemic		5 High			
1836	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	4.0	0.18	0.23	2.16	1.79	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.	Remove	Within direct conflict and footprint of skywalk.
1837	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.20	0.26	2.40	1.88	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.
1838	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.19	0.24	2.28	1.82	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of skywalk.

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1839	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	8.0	0.48	0.48	5.76	2.43	Mature	Good	Good		Long (>40 years)	Endemic		5 High		Pruning	Skywalk adjacent tree canopy. Will need branches and foliage pruned to west below above 8 and below 12m.
1840	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.36	0.43	4.32	2.32	Mature	Normal	Good		Long (>40 years)	Endemic		5 High			
1841	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	6.0	0.36	0.40	4.32	2.25	Mature	Normal	Poor	Lean-Major Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Lean and asymmetric to north.		
1842	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	18.0	0.94	1.05	11.28	3.38	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Very large tree.		
1843	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	7.0	0.21	0.28	2.52	1.94	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1844	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.22	0.35	2.64	2.13	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate			
1845	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	12.0	0.43	0.50	5.16	2.47	Mature	Normal	Average	Deadwood-Minor Termites Tip Dieback	Long (>40 years)	Endemic		4 Moderate			
1846	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.48	0.57	5.76	2.61	Mature	Normal	Average	Deadwood-Minor Termites Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to north-west.		
1847	1		<i>Angophora costata</i>	Smooth-barked Apple	19.0	10.0	0.33	0.47	3.96	2.41	Mature	Fair	Average	Deadwood-Major	Long (>40 years)	Endemic		4 Moderate	Basal wound.		
1848	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	16.0	0.80	0.89	9.60	3.15	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1849	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	18.0	0.76	0.85	9.12	3.09	Mature	Good	Average	Deadwood-Minor Termites Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Asymmetric to north-east.		
1850	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	8.0	0.42	0.52	5.04	2.51	Mature	Normal	Average	Decay-Minor	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Major basal wounding to west.		
1851	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	9.0	0.50	0.56	6.00	2.59	Mature	Poor	Average	Deadwood-Minor Epicormic Growth Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	3 Low		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk.
1852	1		<i>Allocasuarina littoralis</i>	Black She-Oak	11.0	6.0	0.16	0.24	2.00	1.82	Over-mature	Poor	Average	Deadwood-Minor Tip Dieback	Short (5-15 years)	Endemic	Small Hollows or Spouts	2 Very Poor		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk.
1853	1		<i>Angophora floribunda</i>	Rough-barked Apple	12.0	10.0	0.51	0.59	6.12	2.65	Mature	Fair	Average	Deadwood-Minor Tip Dieback Termites	Medium (15-40 years)	Endemic		3 Low			
1854	1		<i>Angophora floribunda</i>	Rough-barked Apple	14.0	10.0	0.48	0.57	5.76	2.61	Mature	Normal	Average	Deadwood-Minor Tip Dieback Termites	Medium (15-40 years)	Endemic		4 Moderate			
1855	1		<i>Angophora floribunda</i>	Rough-barked Apple	11.0	8.0	0.36	0.43	4.32	2.32	Mature	Normal	Average	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		4 Moderate			
1856	1		<i>Angophora floribunda</i>	Rough-barked Apple	13.0	8.0	0.39	0.47	4.68	2.41	Mature	Normal	Good	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		4 Moderate			
1857	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	14.0	0.77	0.86	9.24	3.11	Mature	Good	Good	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Asymmetric to east.		
1858	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	12.0	0.75	0.82	9.00	3.04	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1859	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	21.0	8.0	0.41	0.43	4.92	2.32	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1860	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	10.0	0.54	0.63	6.48	2.73	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1861	1		<i>Angophora floribunda</i>	Rough-barked Apple	15.0	10.0	0.49	0.57	5.88	2.61	Mature	Normal	Good	Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1862	1		<i>Angophora floribunda</i>	Rough-barked Apple	12.0	8.0	0.27	0.30	3.24	2.00	Mature	Normal	Good	Deadwood-Minor Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to east.		
1863	1		<i>Angophora floribunda</i>	Rough-barked Apple	15.0	10.0	0.42	0.44	5.04	2.34	Mature	Normal	Good	Deadwood-Minor Co-dominant Stems Termites	Medium (15-40 years)	Endemic		5 High			
1864	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	25.0	8.0	0.52	0.58	6.24	2.63	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1865	1		<i>Angophora floribunda</i>	Rough-barked Apple	13.0	10.0	0.49	0.60	5.88	2.67	Mature	Normal	Good	Deadwood-Minor Tip Dieback	Medium (15-40 years)	Endemic		5 High	Close to trail.		
1866	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	8.0	0.55	0.67	6.60	2.80	Mature	Normal	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	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	Removal	Removal Notes
1867	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	14.0	0.49	0.63	5.88	2.73	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1868	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	22.0	10.0	0.46	0.46	5.52	2.39	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to south.		
1869	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	27.0	10.0	0.54	0.62	6.48	2.71	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1870	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	25.0	8.0	0.35	0.38	4.20	2.20	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1871	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	27.0	12.0	0.59	0.71	7.08	2.87	Mature	Normal	Average	Deadwood-Minor Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Basal wound and fungal fruiting body to south.		
1872	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	29.0	14.0	0.71	0.80	8.52	3.01	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Long (>40 years)	Endemic		5 High			
1873	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	28.0	12.0	0.63	0.72	7.56	2.88	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
1874	1		<i>Angophora floribunda</i>	Rough-barked Apple	24.0	12.0	0.57	0.66	6.84	2.78	Mature	Fair	Average	Deadwood-Minor Co-dominant Stems Decay-Minor	Long (>40 years)	Endemic		4 Moderate			
1875	1		<i>Angophora floribunda</i>	Rough-barked Apple	12.0	6.0	0.18	0.22	2.16	1.75	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1876	1		<i>Angophora floribunda</i>	Rough-barked Apple	12.0	6.0	0.38	0.38	4.56	2.20	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to west		
1877	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.21	0.24	2.52	1.82	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1878	1		<i>Eucalyptus botryoides</i>	Bangalay	22.0	12.0	0.50	0.61	6.00	2.69	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Medium (15-40 years)	Native		3 Low			
1879	1		<i>Angophora floribunda</i>	Rough-barked Apple	15.0	12.0	0.37	0.47	4.44	2.41	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Asymmetric to west		
1880	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	6.0	0.29	0.32	3.48	2.05	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1881	1		<i>Eucalyptus microcorys</i>	Tallowood	18.0	12.0	0.20	0.24	2.40	1.82	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low			
1882	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	1.02	1.16	12.24	3.52	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1883	1		<i>Angophora costata</i>	Smooth-barked Apple	25.0	12.0	0.44	0.53	5.28	2.53	Mature	Normal	Average	Tip Dieback Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
1884	1		<i>Eucalyptus pilularis</i>	Blackbutt	9.0	2.0	0.50	0.50	6.00	2.47	Dead	Dead	Average	Termites Decay-Major	Short (5-15 years)	Endemic	Small Hollows or Spouts	1 Dead	Major decay. Should be removed. Minimal habitat value		
1885	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	0.90	1.10	10.80	3.44	Mature	Normal	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1886	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	0.92	1.10	11.04	3.44	Mature	Normal	Average	Deadwood-Minor Termites Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts Large Hollow	5 High			
1887	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	5.0	0.20	0.27	2.40	1.91	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1888	1		<i>Syncarpia glomulifera</i>	Turpentine	13.0	3.0	0.18	0.23	2.16	1.79	Mature	Fair	Average		Medium (15-40 years)	Endemic		3 Low			
1889	1		<i>Syncarpia glomulifera</i>	Turpentine	10.0	4.0	0.19	0.23	2.28	1.79	Mature	Fair	Average		Long (>40 years)	Endemic		3 Low			
1890	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	5.0	0.28	0.32	3.36	2.05	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1891	1		<i>Syncarpia glomulifera</i>	Turpentine	12.0	5.0	0.18	0.22	2.16	1.75	Mature	Good	Average		Long (>40 years)	Endemic		4 Moderate			
1892	1		<i>Syncarpia glomulifera</i>	Turpentine	12.0	4.0	0.17	0.23	2.04	1.79	Mature	Good	Good		Long (>40 years)	Endemic		4 Moderate			
1893	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	9.0	0.54	0.66	6.48	2.78	Mature	Normal	Average	Cavity Asymmetric Canopy	Long (>40 years)	Endemic	Basal Hollow	4 Moderate	Basal cavity. Asymmetric to east.		
1894	1		<i>Syncarpia glomulifera</i>	Turpentine	19.0	7.0	0.43	0.48	5.16	2.43	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1895	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	18.0	0.77	0.93	9.24	3.21	Mature	Good	Good	Termites Branch Tearouts Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts Large Hollow	5 High			
1896	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	18.0	0.60	0.68	7.20	2.81	Mature	Good	Good	Termites Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Large Hollow	5 High	Asymmetric to east.		

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1897	1		<i>Eucalyptus acmenoides</i>	White Mahogany	17.0	8.0	0.24	0.28	2.88	1.94	Mature	Fair	Average	Termites Asymmetric Canopy Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate	Asymmetric to south.		
1898	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	16.0	0.78	1.01	9.36	3.32	Mature	Normal	Average	Termites Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1899	1		<i>Allocasuarina littoralis</i>	Black She-Oak	9.0	6.0	0.15	0.22	2.00	1.75	Over-mature	Poor	Average	Termites Deadwood-Minor	Short (5-15 years)	Endemic		3 Low		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to be moved away and avoid nearby High Value Tree 1898
1900	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.70	0.83	8.40	3.06	Mature	Good	Good	Termites Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1901	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	8.0	0.30	0.42	3.60	2.30	Mature	Poor	Poor	Tip Dieback Deadwood-Minor Asymmetric Canopy Decay-Minor	Long (>40 years)	Endemic		3 Low	Major trunk wound. Asymmetric to east.		
1902	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.87	1.02	10.44	3.34	Mature	Good	Good	Termites Deadwood-Minor Branch Tearouts	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1903	1		<i>Allocasuarina littoralis</i>	Black She-Oak	10.0	7.0	0.15	0.23	2.00	1.79	Mature	Normal	Average	Termites Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
1904	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	7.0	0.33	0.41	3.96	2.28	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1905	1		<i>Allocasuarina littoralis</i>	Black She-Oak	12.0	6.0	0.16	0.23	2.00	1.79	Over-mature	Poor	Average	Termites Deadwood-Minor	Short (5-15 years)	Endemic		2 Very Poor			
1906	1		<i>Angophora costata</i>	Smooth-barked Apple	20.0	12.0	0.58	0.71	6.96	2.87	Mature	Fair	Average	Deadwood-Major Tip Dieback	Long (>40 years)	Endemic		4 Moderate			
1907	1		<i>Angophora costata</i>	Smooth-barked Apple	15.0	10.0	0.37	0.39	4.44	2.23	Mature	Fair	Average	Deadwood-Major Tip Dieback Asymmetric Canopy Cavity	Long (>40 years)	Endemic	Large Hollow	4 Moderate	Asymmetric to north.		
1908	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.62	0.72	7.44	2.88	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1909	1		<i>Eucalyptus resinifera</i>	Red Mahogany	26.0	10.0	0.47	0.56	5.64	2.59	Mature	Fair	Average	Termites Deadwood-Major	Medium (15-40 years)	Endemic		4 Moderate			
1910	1		<i>Syncarpia glomulifera</i>	Turpentine	15.0	9.0	0.40	0.54	4.80	2.55	Mature	Normal	Average	Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
1911	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.90	0.95	10.80	3.24	Mature	Good	Good	Termites Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1912	1		<i>Eucalyptus acmenoides</i>	White Mahogany	25.0	8.0	0.44	0.58	5.28	2.63	Mature	Poor	Average	Termites Deadwood-Major	Medium (15-40 years)	Endemic		4 Moderate	Major termite mound at 8.0m.		
1913	1		<i>Syncarpia glomulifera</i>	Turpentine	14.0	6.0	0.28	0.34	3.36	2.10	Mature	Fair	Average	Tip Dieback	Long (>40 years)	Endemic		4 Moderate			
1914	1		<i>Syncarpia glomulifera</i>	Turpentine	16.0	6.0	0.25	0.31	3.00	2.02	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate			
1915	1		<i>Syncarpia glomulifera</i>	Turpentine	11.0	8.0	0.42	0.49	5.04	2.45	Mature	Normal	Average	Decay-Minor	Medium (15-40 years)	Endemic		3 Low	Major wounding to trunk on western side.		
1916	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	3.0	0.22	0.23	2.64	1.79	Senescent	Moribund	Average	Deadwood-Major Tip Dieback	Remove (<5 years)	Endemic	Large Hollow	2 Very Poor			
1917	1		<i>Allocasuarina torulosa</i>	Forest Oak	12.0	6.0	0.32	0.50	3.84	2.47	Over-mature	Moribund	Average	Termites Deadwood-Minor Co-dominant Stems	Short (5-15 years)	Endemic		2 Very Poor			
1918	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	14.0	0.69	0.80	8.28	3.01	Mature	Normal	Average	Termites Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
1919	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.68	0.84	8.16	3.08	Mature	Normal	Poor	Termites Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	4 Moderate	Asymmetric to north.		
1920	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.74	0.95	8.88	3.24	Mature	Normal	Average	Termites Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Basal Hollow	5 High	Asymmetric to north.		
1921	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	10.0	0.33	0.37	3.96	2.18	Mature	Normal	Poor	Termites Asymmetric Canopy Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts Basal Hollow	3 Low	Very asymmetric to north.		

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1922	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	18.0	0.84	1.06	10.08	3.39	Dead	Dead	Average	Termites Deadwood-Major Decay-Minor	Short (5-15 years)	Endemic	Stag Creation Potential Small Hollows or Spouts	1 Dead	On edge of trail.		
1923	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	10.0	0.47	0.67	5.64	2.80	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
1924	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.22	0.26	2.64	1.88	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low			
1925	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	6.0	0.17	0.23	2.04	1.79	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to south.		
1926	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	8.0	0.27	0.33	3.24	2.08	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1927	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	6.0	0.25	0.35	3.00	2.13	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low			
1928	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	8.0	0.27	0.36	3.24	2.15	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
1929	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.20	0.48	2.40	2.43	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Multitrunked grouping.		
1930	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	8.0	0.33	0.45	3.96	2.37	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	Growing top of steep batter.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1931	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.27	0.32	3.24	2.05	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Growing top of steep batter. Codominant from base.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1932	1		<i>Casuarina cunninghamiana</i>	River She-Oak	12.0	6.0	0.20	0.26	2.40	1.88	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1933	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	8.0	0.33	0.37	3.96	2.18	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1934	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	9.0	0.32	0.40	3.84	2.25	Mature	Fair	Average	Epicormic Growth	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1935	1		<i>Eucalyptus pilularis</i>	Blackbutt	14.0	5.0	0.24	0.26	2.88	1.88	Mature	Fair	Average	Asymmetric Canopy Lean-Minor	Long (>40 years)	Endemic		3 Low	Asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1936	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	7.0	0.30	0.37	3.60	2.18	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1937	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	16.0	0.71	0.99	8.52	3.30	Mature	Good	Average	Co-dominant Stems	Medium (15-40 years)	Endemic		4 Moderate	Codominant from base. Two separate trunks but treated as on tree.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1938	1		<i>Eucalyptus pilularis</i>	Blackbutt	16.0	8.0	0.27	0.33	3.24	2.08	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Very asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1939	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	5.0	0.18	0.21	2.16	1.72	Mature	Poor	Average	Tip Dieback	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1940	1		<i>Casuarina cunninghamiana</i>	River She-Oak	12.0	4.0	0.16	0.19	2.00	1.65	Mature	Poor	Average		Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1941	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.23	0.29	2.76	1.97	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1942	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.22	0.26	2.64	1.88	Mature	Fair	Poor	Co-dominant Stems Root Impacts	Short (5-15 years)	Native		2 Very Poor	On edge of unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1943	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.5	8.0	0.33	0.39	3.96	2.23	Mature	Fair	Poor	Lean-Minor	Short (5-15 years)	Native		2 Very Poor	On edge of unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1944	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	6.0	0.27	0.32	3.24	2.05	Semi-mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1945	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	12.0	0.35	0.40	4.20	2.25	Mature	Fair	Average	Root Impacts Tip Dieback Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On edge of unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1946	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	8.0	0.50	0.65	6.00	2.76	Mature	Normal	Poor	Congested Branches Inclusions	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1947	2		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.20	0.24	2.40	1.82	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Closely spaced group of two trees. Each asymmetric away from each other.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1948	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	6.0	0.21	0.25	2.52	1.85	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	On edge of completely unstable batter.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1949	1		<i>Casuarina glauca</i>	Swamp She-Oak	15.0	4.0	0.16	0.20	2.00	1.68	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1950	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.20	0.23	2.40	1.79	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1951	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.34	0.38	4.08	2.20	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	Growing next to building at edge of unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1952	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	4.0	0.21	0.25	2.52	1.85	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
1953	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	6.0	0.23	0.31	2.76	2.02	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1954	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	4.0	0.17	0.23	2.04	1.79	Mature	Fair	Poor		Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1955	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.23	0.33	2.76	2.08	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1956	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.5	5.0	0.21	0.26	2.52	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1957	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	6.0	0.28	0.37	3.36	2.18	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1958	1		<i>Angophora costata</i>	Smooth-barked Apple	16.0	7.0	0.28	0.30	3.36	2.00	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Endemic		3 Low	Asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1959	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	10.0	0.62	0.71	7.44	2.87	Mature	Fair	Average		Medium (15-40 years)	Endemic		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1960	1		<i>Casuarina glauca</i>	Swamp She-Oak	22.0	9.0	0.40	0.48	4.80	2.43	Mature	Normal	Good		Medium (15-40 years)	Native		4 Moderate			
1961	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	10.0	0.58	0.78	6.96	2.98	Mature	Normal	Good		Medium (15-40 years)	Native		4 Moderate			
1962	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	12.0	0.95	1.10	11.40	3.44	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate		Impact	Carpark roadway with SRZ. Impact should be readily adjusted. Driveway should be shortened to remove impact within SRZ.
1963	1		<i>Casuarina glauca</i>	Swamp She-Oak	8.0	8.0	0.40	0.40	4.80	2.25	Mature	Moribund	Poor	Decay-Major Asymmetric Canopy Tip Dieback Branch Tearouts	Remove (<5 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1964	1		<i>Casuarina glauca</i>	Swamp She-Oak	18.0	6.0	0.22	0.28	2.64	1.94	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1965	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.24	0.34	2.88	2.10	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1966	1		<i>Casuarina glauca</i>	Swamp She-Oak	20.0	9.0	0.51	0.66	6.12	2.78	Mature	Normal	Average	Decay-Minor Branch Tearouts	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1967	1		<i>Casuarina glauca</i>	Swamp She-Oak	20.0	10.0	0.55	0.60	6.60	2.67	Mature	Normal	Average	Decay-Minor	Medium (15-40 years)	Native		3 Low	Basal decay to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1968	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	6.0	0.31	0.40	3.72	2.25	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	On edge of unstable embankment.		
1969	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.30	0.40	3.60	2.25	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	On edge of unstable embankment.		
1970	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.22	0.27	2.64	1.91	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east. On edge of unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1971	2		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.30	0.38	3.60	2.20	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Closely spaced group of two trees. Asymmetric away from each other.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1972	2		<i>Casuarina cunninghamiana</i>	River She-Oak	12.0	4.0	0.17	0.23	2.04	1.79	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Closely spaced group of two trees. Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1973	1		<i>Casuarina cunninghamiana</i>	River She-Oak	14.0	4.0	0.20	0.25	2.40	1.85	Mature	Normal	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1974	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	5.0	0.25	0.35	3.00	2.13	Mature	Normal	Poor	Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	Asymmetric to north-west.		
1975	1		<i>Casuarina cunninghamiana</i>	River She-Oak	14.0	4.0	0.19	0.36	2.28	2.15	Mature	Normal	Poor	Co-dominant Stems Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor			
1976	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	6.0	0.52	0.62	6.24	2.71	Mature	Fair	Poor	Deadwood-Major Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Endemic		3 Low	On unstable embankment. lean and asymmetric to east.		
1977	1		<i>Casuarina glauca</i>	Swamp She-Oak	18.0	6.0	0.23	0.29	2.76	1.97	Mature	Fair	Poor	Co-dominant Stems Epicormic Growth Tip Dieback	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1978	1		<i>Eucalyptus pilularis</i>	Blackbutt	22.0	16.0	0.80	0.85	9.60	3.09	Mature	Good	Good	Root Impacts Deadwood-Minor	Long (>40 years)	Endemic		5 High	On embankment, filled around and near boundary fencing. Wire embedded in trunk.	Impact	Pathway and grading very close to tree. Impact should be readily adjusted. Design should be modified to remove impacts within TPZ.
1979	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	7.0	0.20	0.25	2.40	1.85	Mature	Normal	Poor	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1980	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.30	0.35	3.60	2.13	Mature	Normal	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to north	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1981	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	7.0	0.25	0.29	3.00	1.97	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to avoid nearby High Value Trees 1982 and 1978.

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	Removal	Removal Notes
1982	1		<i>Eucalyptus pilularis</i>	Blackbutt	24.0	18.0	0.96	1.10	11.52	3.44	Mature	Excellent	Good		Medium (15-40 years)	Endemic	Small Hollows or Spouts	5 High	Significant tree should be retained.	Impact	Pathway and grading very close to tree. Impact should be readily adjusted. Design should be modified to remove impacts within TPZ.
1983	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	6.0	0.30	0.35	3.60	2.13	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1984	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.19	0.23	2.28	1.79	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1985	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	4.0	0.28	0.33	3.36	2.08	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1986	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	5.0	0.18	0.22	2.16	1.75	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1987	2		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	3.0	0.17	0.23	2.04	1.79	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Group of two closely spaced trees. Asymmetric away from each other.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1988	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	3.0	0.20	0.28	2.40	1.94	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1989	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.18	0.24	2.16	1.82	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1990	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	6.0	0.24	0.34	2.88	2.10	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1991	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	6.0	0.21	0.29	2.52	1.97	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1992	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1993	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.22	0.29	2.64	1.97	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1994	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	7.0	0.22	0.30	2.64	2.00	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
1995	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	8.0	0.32	0.42	3.84	2.30	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On steep unstable embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1996	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.25	0.43	3.00	2.32	Mature	Good	Good	Epicormic Growth	Medium (15-40 years)	Native		4 Moderate	Previous Codominant removed otherwise ok.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
1997	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.23	0.28	2.76	1.94	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
1998	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.19	0.27	2.28	1.91	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Middle in a group of smaller saplings.		
1999	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.17	0.22	2.04	1.75	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Middle in a group of smaller saplings.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2000	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.31	0.42	3.72	2.30	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2001	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	7.0	0.35	0.42	4.20	2.30	Mature	Good	Average	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2002	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.5	6.0	0.36	0.42	4.32	2.30	Mature	Good	Average	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2003	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	6.0	0.25	0.28	3.00	1.94	Mature	Normal	Average	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2004	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	4.0	0.20	0.26	2.40	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2005	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	4.0	0.17	0.22	2.04	1.75	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2006	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	3.0	0.17	0.20	2.04	1.68	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2007	2		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Closely spaced group of two.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2008	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.17	0.20	2.04	1.68	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2009	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	6.0	0.17	0.21	2.04	1.72	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2010	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	5.0	0.26	0.40	3.12	2.25	Mature	Fair	Average	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Asymmetric to north. Multitrunked.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2011	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.23	0.30	2.76	2.00	Mature	Fair	Average	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Asymmetric to north. Multitrunked.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2012	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2013	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	8.0	0.48	0.90	5.76	3.17	Mature	Fair	Average	Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Triple trunks from base.	Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
2014	1		Casuarina cunninghamiana	River She-Oak	17.0	4.0	0.19	0.19	2.28	1.65	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2015	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.19	0.28	2.28	1.94	Mature	Fair	Poor	Inclusions Co-dominant Stems	Short (5-15 years)	Native		2 Very Poor	Multitrunked from base. Wounding to trunk.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2016	2		Casuarina cunninghamiana	River She-Oak	15.0	6.0	0.20	0.26	2.40	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Closely spaced group of two.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2017	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.27	0.35	3.24	2.13	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2018	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.20	0.25	2.40	1.85	Mature	Good	Average	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2019	1		Casuarina cunninghamiana	River She-Oak	14.0	3.0	0.17	0.20	2.04	1.68	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2020	1		Casuarina cunninghamiana	River She-Oak	14.0	3.0	0.15	0.18	2.00	1.61	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2021	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.30	0.33	3.60	2.08	Mature	Normal	Poor	Root Impacts	Short (5-15 years)	Native		2 Very Poor	Butt sweep then corrected. Partial root plate failure.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2022	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.33	0.46	3.96	2.39	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2023	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.43	0.70	5.16	2.85	Mature	Fair	Average	Co-dominant Stems Inclusions	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2024	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.25	0.34	3.00	2.10	Mature	Fair	Poor	Co-dominant Stems Inclusions	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2025	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.20	0.24	2.40	1.82	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2026	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.22	0.27	2.64	1.91	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2027	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.20	0.24	2.40	1.82	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2028	1		Casuarina cunninghamiana	River She-Oak	17.0	6.0	0.23	0.28	2.76	1.94	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2029	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.17	0.20	2.04	1.68	Mature	Poor	Poor	Congested Branches Deadwood-Minor Tip Dieback	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2030	1		Casuarina cunninghamiana	River She-Oak	14.0	5.0	0.16	0.20	2.00	1.68	Semi-mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2031	1		Casuarina cunninghamiana	River She-Oak	12.0	3.0	0.15	0.18	2.00	1.61	Semi-mature	Fair	Average	Lean-Minor	Medium (15-40 years)	Native		3 Low	On edge of road embankment	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2032	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.25	0.50	3.00	2.47	Mature	Fair	Average	Lean-Minor Co-dominant Stems	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2033	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.18	0.24	2.16	1.82	Mature	Fair	Poor	Inclusions Lean-Minor	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2034	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.25	0.30	3.00	2.00	Mature	Fair	Average	Inclusions Lean-Minor	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2035	1		Casuarina cunninghamiana	River She-Oak	16.0	4.0	0.20	0.25	2.40	1.85	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor	Short (5-15 years)	Native		2 Very Poor	Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2036	1		Casuarina cunninghamiana	River She-Oak	19.0	6.0	0.30	0.42	3.60	2.30	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2037	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.34	0.40	4.08	2.25	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2038	1		Casuarina cunninghamiana	River She-Oak	16.0	3.0	0.16	0.19	2.00	1.65	Mature	Fair	Suppressed	Deadwood-Minor	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2039	1		Casuarina cunninghamiana	River She-Oak	15.5	6.0	0.24	0.25	2.88	1.85	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2040	1		Eucalyptus viminalis	Ribbon Gum	19.0	9.0	0.36	0.41	4.32	2.28	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2041	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.35	0.41	4.20	2.28	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2042	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.21	0.26	2.52	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2043	1		Casuarina cunninghamiana	River She-Oak	15.0	5.0	0.25	0.34	3.00	2.10	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2044	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.18	0.22	2.16	1.75	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2045	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.22	0.25	2.64	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
2046	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.40	0.60	4.80	2.67	Mature	Fair	Average	Co-dominant Stems	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2047	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.30	0.42	3.60	2.30	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2048	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.34	0.43	4.08	2.32	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2049	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.41	0.50	4.92	2.47	Mature	Fair	Poor	Congested Branches Inclusions Co-dominant Stems	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2050	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.21	0.27	2.52	1.91	Mature	Fair	Average	Co-dominant Stems	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2051	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.35	0.49	4.20	2.45	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2052	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.24	0.27	2.88	1.91	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Asymmetric to west.		
2053	1		Casuarina cunninghamiana	River She-Oak	19.0	5.0	0.30	0.43	3.60	2.32	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2054	1		Casuarina cunninghamiana	River She-Oak	19.0	5.0	0.32	0.42	3.84	2.30	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2055	1		Casuarina cunninghamiana	River She-Oak	20.0	9.0	0.48	0.59	5.76	2.65	Mature	Normal	Poor	Co-dominant Stems Inclusions	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2056	1		Casuarina cunninghamiana	River She-Oak	20.0	8.0	0.37	0.70	4.44	2.85	Mature	Normal	Poor	Co-dominant Stems Inclusions	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Tridominant from base.		
2057	1		Casuarina cunninghamiana	River She-Oak	19.0	8.0	0.45	0.62	5.40	2.71	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2058	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.39	0.44	4.68	2.34	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Asymmetric to north.		
2059	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.32	0.44	3.84	2.34	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2060	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.44	0.50	5.28	2.47	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2061	1		Casuarina cunninghamiana	River She-Oak	18.0	9.0	0.37	0.60	4.44	2.67	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Asymmetric to south.		
2062	1		Casuarina cunninghamiana	River She-Oak	18.0	9.0	0.67	0.80	8.04	3.01	Mature	Good	Average	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate	Just down from top edge of driveway embankment.		
2063	1		Casuarina cunninghamiana	River She-Oak	21.0	5.0	0.25	0.31	3.00	2.02	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Asymmetric to south.		
2064	1		Casuarina cunninghamiana	River She-Oak	19.0	5.0	0.22	0.25	2.64	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2065	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.31	0.44	3.72	2.34	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2066	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.48	0.70	5.76	2.85	Mature	Fair	Average	Epicormic Growth	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment.		
2067	3		Casuarina cunninghamiana	River She-Oak	16.0	8.0	0.22	0.32	2.64	2.05	Mature	Good	Poor	Co-dominant Stems Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On edge of driveway embankment. Try trunked or closely spaced group of 3.		
2068	1		Casuarina cunninghamiana	River She-Oak	16.0	3.0	0.24	0.40	2.88	2.25	Semi-mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2069	1		Casuarina cunninghamiana	River She-Oak	12.0	6.0	0.18	0.29	2.16	1.97	Mature	Fair	Poor		Short (5-15 years)	Native		2 Very Poor	On edge of driveway embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2070	1		Casuarina cunninghamiana	River She-Oak	15.0	7.0	0.22	0.31	2.64	2.02	Mature	Fair	Poor	Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Very asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2071	1		Casuarina cunninghamiana	River She-Oak	9.0	9.0	0.24	0.33	2.88	2.08	Mature	Fair	Poor	Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Very asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2072	1		Casuarina cunninghamiana	River She-Oak	22.0	12.0	0.74	1.01	8.88	3.32	Mature	Good	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	On bund along edge of steep embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2073	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.33	0.47	3.96	2.41	Mature	Fair	Average	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Asymmetric to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2074	1		Casuarina cunninghamiana	River She-Oak	19.0	8.0	0.45	0.60	5.40	2.67	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Asymmetric to south-east.		
2075	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.26	0.40	3.12	2.25	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	Trunk wounding.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2076	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.30	0.44	3.60	2.34	Mature	Normal	Poor	Branch Tearouts	Medium (15-40 years)	Native		3 Low	Top tearout.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2077	1		Casuarina cunninghamiana	River She-Oak	18.0	4.0	0.19	0.26	2.28	1.88	Mature	Normal	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.

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2078	1		Casuarina cunninghamiana	River She-Oak	18.0	3.0	0.19	0.27	2.28	1.91	Mature	Normal	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2079	1		Casuarina cunninghamiana	River She-Oak	20.0	5.0	0.35	0.47	4.20	2.41	Mature	Normal	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2080	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.17	0.20	2.04	1.68	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2081	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.26	0.33	3.12	2.08	Mature	Normal	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2082	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.22	0.32	2.64	2.05	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2083	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.25	0.36	3.00	2.15	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2084	1		Casuarina cunninghamiana	River She-Oak	20.0	5.0	0.19	0.26	2.28	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2085	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.30	0.45	3.60	2.37	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2086	1		Casuarina cunninghamiana	River She-Oak	21.0	6.0	0.31	0.47	3.72	2.41	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2087	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.20	0.30	2.40	2.00	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2088	1		Casuarina cunninghamiana	River She-Oak	22.0	12.0	0.43	0.60	5.16	2.67	Mature	Normal	Good	Root Impacts Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate	On bund along edge of steep embankment.		
2089	1		Casuarina cunninghamiana	River She-Oak	20.0	8.0	0.44	0.60	5.28	2.67	Mature	Normal	Poor	Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2090	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.36	0.45	4.32	2.37	Mature	Normal	Poor	Root Impacts Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Asymmetric to north-east.		
2091	1		Casuarina cunninghamiana	River She-Oak	19.0	7.0	0.33	0.40	3.96	2.25	Mature	Normal	Poor	Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2092	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.43	0.45	5.16	2.37	Mature	Fair	Average	Root Impacts Deadwood-Minor	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2093	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.30	0.44	3.60	2.34	Mature	Fair	Poor	Lean-Major Root Impacts Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Major lean due to partial root plate failure. Asymmetric to north.	Remove	Very poor tree, should remove.
2094	1		Casuarina cunninghamiana	River She-Oak	15.0	9.0	0.25	0.31	3.00	2.02	Mature	Fair	Poor	Lean-Major Root Impacts Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Major lean due to partial root plate failure. Asymmetric to north-east.	Remove	Very poor tree, should remove.
2095	1		Casuarina cunninghamiana	River She-Oak	16.0	6.0	0.26	0.32	3.12	2.05	Mature	Fair	Poor	Lean-Minor Root Impacts Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Minor lean and asymmetric to north-east.		
2096	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.30	0.35	3.60	2.13	Mature	Normal	Poor	Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2097	1		Casuarina cunninghamiana	River She-Oak	19.0	5.0	0.31	0.41	3.72	2.28	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Downslope of bund along edge of steep embankment.		
2098	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.33	0.43	3.96	2.32	Mature	Fair	Average	Deadwood-Minor Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2099	1		Casuarina cunninghamiana	River She-Oak	18.0	8.0	0.45	0.60	5.40	2.67	Mature	Fair	Average	Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.		
2100	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.25	0.39	3.00	2.23	Mature	Fair	Poor	Root Impacts Decay-Minor Asymmetric Canopy Cavity	Short (5-15 years)	Native	Basal Hollow	2 Very Poor	On bund along edge of steep embankment. Basal wounding and decay with asymmetric to south.	Remove	Very poor tree, should remove.
2101	1		Casuarina cunninghamiana	River She-Oak	19.0	10.0	0.64	0.64	7.68	2.74	Mature	Fair	Average	Root Impacts Deadwood-Major Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Downslope of bund along edge of steep embankment.		
2102	1		Casuarina cunninghamiana	River She-Oak	15.0	5.0	0.18	0.23	2.16	1.79	Mature	Fair	Average	Asymmetric Canopy Decay-Minor Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2103	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.20	0.34	2.40	2.10	Mature	Fair	Poor	Co-dominant Stems Root Impacts Asymmetric Canopy Bulldges	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Asymmetric to north-west. Basal wounding	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2104	1		Casuarina cunninghamiana	River She-Oak	18.0	5.0	0.38	0.65	4.56	2.76	Mature	Fair	Average	Co-dominant Stems Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2105	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.29	0.38	3.48	2.20	Mature	Fair	Average	Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
2106	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	7.0	0.41	0.66	4.92	2.78	Mature	Fair	Average	Co-dominant Stems Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2107	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	7.0	0.37	0.59	4.44	2.65	Mature	Fair	Poor	Co-dominant Stems Asymmetric Canopy Root Impacts	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Very asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2108	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.21	0.27	2.52	1.91	Mature	Fair	Poor	Lean-Major Root Impacts Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	On bund along edge of steep embankment. Major lean and asymmetric to south-east.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2109	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.37	0.42	4.44	2.30	Mature	Normal	Average	Root Impacts Decay-Minor	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Basal wounding and minor decay.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2110	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	5.0	0.28	0.46	3.36	2.39	Mature	Normal	Poor	Co-dominant Stems Asymmetric Canopy Root Impacts	Medium (15-40 years)	Native		3 Low	On bund along edge of steep embankment. Asymmetric to south-west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2111	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.26	0.50	3.12	2.47	Mature	Fair	Average	Poor Taper Co-dominant Stems	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2112	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	5.0	0.22	0.35	2.64	2.13	Mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2113	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	5.0	0.23	0.33	2.76	2.08	Mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2114	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.20	0.26	2.40	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2115	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	5.0	0.19	0.27	2.28	1.91	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2116	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.20	0.26	2.40	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2117	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.24	0.50	2.88	2.47	Mature	Fair	Average	Co-dominant Stems Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to north-west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2118	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.16	0.24	2.00	1.82	Mature	Normal	Poor	Asymmetric Canopy Poor Taper	Medium (15-40 years)	Native		3 Low	Asymmetric to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2119	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	5.0	0.31	0.46	3.72	2.39	Mature	Good	Good	Poor Taper	Medium (15-40 years)	Native		4 Moderate			
2120	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	6.0	0.38	0.50	4.56	2.47	Mature	Normal	Good	Poor Taper	Medium (15-40 years)	Native		4 Moderate			
2121	2		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.20	0.35	2.40	2.13	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Closely spaced group of two.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2122	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	3.0	0.17	0.23	2.04	1.79	Mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2123	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	5.0	0.20	0.25	2.40	1.85	Mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2124	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	3.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2125	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	3.0	0.18	0.26	2.16	1.88	Semi-mature	Normal	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2126	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.18	0.26	2.16	1.88	Semi-mature	Normal	Average	Lean-Minor Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2127	1		<i>Eucalyptus microcorys</i>	Tallowood	26.0	8.0	0.37	0.51	4.44	2.49	Mature	Fair	Average		Long (>40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2128	1		<i>Eucalyptus robusta</i>	Swamp Mahogany	17.0	7.0	0.33	0.45	3.96	2.37	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Asymmetric to south.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2129	1		<i>Casuarina cunninghamiana</i>	River She-Oak	23.0	12.0	0.59	0.76	7.08	2.95	Mature	Good	Average	Deadwood-Minor Branch Tearouts	Medium (15-40 years)	Native		4 Moderate	Large tree behind old gravel holding structure.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2130	1		<i>Eucalyptus microcorys</i>	Tallowood	26.0	10.0	0.40	0.50	4.80	2.47	Mature	Fair	Average		Long (>40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2131	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	5.0	0.22	0.25	2.64	1.85	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2132	1		<i>Eucalyptus robusta</i>	Swamp Mahogany	16.0	5.0	0.22	0.32	2.64	2.05	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	On top of bund near squatters encampment. Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2133	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	14.0	0.45	0.50	5.40	2.47	Mature	Normal	Average	Deadwood-Minor Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2134	1		<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	9.0	9.0	0.20	0.35	2.40	2.13	Over-mature	Poor	Poor	Inclusions Co-dominant Stems Branch Tearouts	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2135	1		<i>Pinus elliotii</i>	Slash Pine	16.0	5.0	0.17	0.24	2.04	1.82	Semi-mature	Normal	Average		Long (>40 years)	Invasive		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
2136	1		<i>Angophora costata</i>	Smooth-barked Apple	18.0	5.0	0.24	0.27	2.88	1.91	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2137	1		<i>Angophora costata</i>	Smooth-barked Apple	9.0	5.0	0.23	0.30	2.76	2.00	Mature	Poor	Average		Medium (15-40 years)	Endemic		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2138	1		<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	12.0	10.0	0.34	0.70	4.08	2.85	Over-mature	Poor	Average	Co-dominant Stems Inclusions Tip Dieback	Short (5-15 years)	Native		2 Very Poor		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2139	1		<i>Eucalyptus saligna</i>	Sydney Blue Gum	19.0	12.0	0.60	0.72	7.20	2.88	Mature	Fair	Average	Tip Dieback	Medium (15-40 years)	Endemic		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2140	1		<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	9.0	9.0	0.33	0.50	3.96	2.47	Over-mature	Poor	Poor	Asymmetric Canopy Co-dominant Stems Tip Dieback	Remove (<5 years)	Native		2 Very Poor	Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2141	1		<i>Angophora costata</i>	Smooth-barked Apple	13.0	9.0	0.37	0.43	4.44	2.32	Mature	Normal	Average	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2142	1		<i>Eucalyptus microcorys</i>	Tallowood	28.0	18.0	1.00	1.10	12.00	3.44	Mature	Good	Good	Termites Co-dominant Stems Deadwood-Minor	Long (>40 years)	Native		4 Moderate			
2143	1		<i>Corymbia maculata</i>	Spotted Gum	21.0	12.0	0.47	0.55	5.64	2.57	Mature	Fair	Average	Tip Dieback Deadwood-Major	Long (>40 years)	Native		3 Low			
2144	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	3.0	0.18	0.25	2.16	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2145	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.27	0.37	3.24	2.18	Mature	Good	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2146	1		<i>Casuarina glauca</i>	Swamp She-Oak	19.0	5.0	0.27	0.37	3.24	2.18	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2147	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	9.0	0.33	0.43	3.96	2.32	Mature	Good	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2148	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	4.0	0.20	0.24	2.40	1.82	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2149	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	7.0	0.27	0.40	3.24	2.25	Mature	Fair	Poor	Branch Tearouts Asymmetric Canopy	Short (5-15 years)	Native		2 Very Poor	Top broken out. Asymmetric to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2150	1		<i>Casuarina cunninghamiana</i>	River She-Oak	5.0	3.0	0.27	0.40	3.24	2.25	Mature	Moribund	Poor	Branch Tearouts	Remove (<5 years)	Native		2 Very Poor	Top broken out.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2151	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	7.0	0.40	0.48	4.80	2.43	Mature	Good	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2152	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	7.0	0.21	0.37	2.52	2.18	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2153	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	7.0	0.32	0.40	3.84	2.25	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2154	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	8.0	0.30	0.40	3.60	2.25	Mature	Good	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2155	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.21	0.27	2.52	1.91	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2156	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	5.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2157	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	3.0	0.18	0.25	2.16	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2158	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	5.0	0.17	0.23	2.04	1.79	Mature	Normal	Poor	Asymmetric Canopy Lean-Minor	Medium (15-40 years)	Native		3 Low	Minor lean to west then corrected. Asymmetric to west.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2159	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	6.0	0.31	0.42	3.72	2.30	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2160	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.19	0.22	2.28	1.75	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2161	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	5.0	0.24	0.34	2.88	2.10	Mature	Normal	Poor	Co-dominant Stems Inclusions	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2162	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.24	0.31	2.88	2.02	Mature	Normal	Poor		Medium (15-40 years)	Native		3 Low	On bund to lower road of crusher.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2163	1		<i>Casuarina cunninghamiana</i>	River She-Oak	15.0	5.0	0.21	0.26	2.52	1.88	Mature	Normal	Poor		Medium (15-40 years)	Native		3 Low	On bund to lower road of crusher.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2164	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	5.0	0.24	0.32	2.88	2.05	Mature	Poor	Average		Medium (15-40 years)	Native		3 Low	On bund to lower road of crusher.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2165	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	10.0	0.65	0.90	7.80	3.17	Dead	Dead	Average	Deadwood-Major Termites	Short (5-15 years)	Endemic	Stag Creation Potential	1 Dead	Dead stag tree.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2166	1		<i>Eucalyptus pilularis</i>	Blackbutt	19.0	10.0	0.88	0.95	10.56	3.24	Dead	Dead	Average	Deadwood-Major Termites	Short (5-15 years)	Endemic	Stag Creation Potential	1 Dead	Dead stag tree.	Remove	Within footprint of Crusher Plant landscape and embellishment works.

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	Removal	Removal Notes
2167	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	9.0	0.50	1.00	6.00	3.31	Mature	Fair	Average	Co-dominant Stems Tip Dieback Decay-Minor Pest/Disease	Medium (15-40 years)	Native		3 Low	Quad trunked tree.		
2168	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	12.0	0.50	1.10	6.00	3.44	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Tridominant trunks from ground. On bund to lower road of crusher.		
2169	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.35	0.43	4.20	2.32	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On bund to lower road of crusher.		
2170	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	10.0	0.41	0.53	4.92	2.53	Mature	Normal	Poor		Medium (15-40 years)	Native		3 Low	On bund to lower road of crusher. Major kink in trunk at 4.0m.		
2171	1		<i>Casuarina cunninghamiana</i>	River She-Oak	14.0	6.0	0.26	0.42	3.12	2.30	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Major kink in trunk at 12.0m. On bund to lower road of crusher. Asymmetric to south.		
2172	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	8.0	0.46	0.68	5.52	2.81	Mature	Good	Good	Deadwood-Minor	Medium (15-40 years)	Native		4 Moderate	On bund to lower road of crusher.		
2173	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.19	0.25	2.28	1.85	Mature	Fair	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Below top of bund to lower road of crusher. Asymmetric to north.		
2174	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	12.0	0.40	0.55	4.80	2.57	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On bund to lower road of crusher.		
2175	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.32	0.37	3.84	2.18	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Below bund to lower road of crusher.		
2176	1		<i>Casuarina cunninghamiana</i>	River She-Oak	10.0	5.0	0.28	0.43	3.36	2.32	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Below bund to lower road of crusher.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2177	1		<i>Casuarina cunninghamiana</i>	River She-Oak	10.0	5.0	0.34	0.36	4.08	2.15	Mature	Poor	Poor		Short (5-15 years)	Native		2 Very Poor		Remove	Very poor tree. Recommend removal anyway. Within footprint of Crusher Plant landscape and embellishment works.
2178	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	5.0	0.32	0.40	3.84	2.25	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	On step batter above quarry road.		
2179	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	10.0	0.35	0.42	4.20	2.30	Mature	Poor	Average		Short (5-15 years)	Native		3 Low			
2180	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	18.0	0.95	1.10	11.40	3.44	Mature	Good	Average	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Largest tree in the vicinity. Slight asymmetry to north.		
2181	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.47	0.53	5.64	2.53	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2182	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	12.0	0.47	0.52	5.64	2.51	Mature	Good	Good	Termites Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		5 High	Slight asymmetric to east.		
2183	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.43	0.51	5.16	2.49	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2184	1		<i>Eucalyptus resinifera</i>	Red Mahogany	16.0	5.0	0.17	0.22	2.04	1.75	Semi-mature	Poor	Average	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
2185	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	7.0	0.22	0.26	2.64	1.88	Semi-mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
2186	1		<i>Eucalyptus pilularis</i>	Blackbutt	30.0	16.0	0.46	0.54	5.52	2.55	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
2187	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	10.0	0.52	0.60	6.24	2.67	Mature	Normal	Average	Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
2188	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	12.0	0.28	0.30	3.36	2.00	Mature	Good	Average	Lean-Minor Asymmetric Canopy Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate	Minor lean and asymmetric to north.		
2189	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	14.0	0.49	0.64	5.88	2.74	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
2190	1		<i>Eucalyptus pilularis</i>	Blackbutt	16.0	8.0	0.23	0.28	2.76	1.94	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
2191	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	7.0	0.20	0.23	2.40	1.79	Semi-mature	Good	Good		Long (>40 years)	Endemic		4 Moderate	Good young tree.		
2192	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.57	0.67	6.84	2.80	Mature	Normal	Average	Deadwood-Minor Termites	Long (>40 years)	Endemic		4 Moderate			
2193	1		<i>Pittosporum undulatum</i>	Sweet Pittosporum	16.0	8.0	0.25	0.33	3.00	2.08	Mature	Normal	Average	Co-dominant Stems Epicormic Growth Deadwood-Minor	Medium (15-40 years)	Endemic		4 Moderate			
2194	1		<i>Eucalyptus pilularis</i>	Blackbutt	18.0	8.0	0.36	0.42	4.32	2.30	Mature	Fair	Poor	Asymmetric Canopy Root Impacts Epicormic Growth Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		2 Very Poor	Tree fallen over and resprouted. Base actually emanates from 5w to south. New trunk with lean and asymmetric to west.		

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2195	1		<i>Eucalyptus resinifera</i>	Red Mahogany	14.0	7.0	0.20	0.25	2.40	1.85	Dead	Dead	Poor	Deadwood-Major Asymmetric Canopy	Short (5-15 years)	Endemic		1 Dead	Little habitats value. Asymmetric to west.		
2196	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	14.0	0.51	0.62	6.12	2.71	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2197	1		<i>Eucalyptus pilularis</i>	Blackbutt	10.0	3.0	0.23	0.23	2.76	1.79	Dead	Dead	Average	Decay-Major	Short (5-15 years)	Endemic		1 Dead	Minimal habitat value.		
2198	1		<i>Syncarpia glomulifera</i>	Turpentine	20.0	6.0	0.26	0.42	3.12	2.30	Mature	Normal	Average	Lean-Minor	Long (>40 years)	Endemic		4 Moderate			
2199	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	14.0	0.36	0.47	4.32	2.41	Mature	Fair	Average	Lean-Minor Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
2200	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	14.0	0.44	0.58	5.28	2.63	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2201	1		<i>Allocasuarina torulosa</i>	Forest Oak	15.0	7.0	0.28	0.35	3.36	2.13	Mature	Fair	Average	Deadwood-Minor Tip Dieback Decay-Minor	Medium (15-40 years)	Endemic		3 Low	Basal wounding.		
2202	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.45	0.52	5.40	2.51	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High			
2203	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	6.0	0.30	0.39	3.60	2.23	Mature	Normal	Average	Epicormic Growth Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Minor asymmetric to west.		
2204	1		<i>Eucalyptus pilularis</i>	Blackbutt	31.0	14.0	0.50	0.65	6.00	2.76	Mature	Excellent	Good		Long (>40 years)	Endemic		5 High			
2205	1		<i>Syncarpia glomulifera</i>	Turpentine	17.0	7.0	0.40	0.59	4.80	2.65	Mature	Normal	Average	Co-dominant Stems Decay-Minor	Long (>40 years)	Endemic		4 Moderate	Basal wound and cavity to northern trunk.		
2206	1		<i>Eucalyptus pilularis</i>	Blackbutt	20.0	12.0	0.60	0.76	7.20	2.95	Mature	Poor	Poor	Root Impacts Deadwood-Major Lean-Major Asymmetric Canopy Termites	Short (5-15 years)	Endemic		2 Very Poor	Root plate failure and tree now leaning against down slope trees. Wound at base. Severe asymmetry to east.	Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to be moved away and avoid nearby High Value Trees and beneficially remove otherwise failed tree
2207	1		<i>Eucalyptus pilularis</i>	Blackbutt	22.0	10.0	0.34	0.44	4.08	2.34	Mature	Fair	Poor	Asymmetric Canopy Lean-Major Termites	Medium (15-40 years)	Endemic		3 Low	Actually leaning with large tree failed to the west on top of it. Asymmetric to east.		
2208	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	16.0	0.62	0.75	7.44	2.93	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		5 High	Failed tree from west leaning on tree otherwise ok.		
2209	1		<i>Eucalyptus pilularis</i>	Blackbutt	32.0	10.0	0.40	0.45	4.80	2.37	Mature	Normal	Good		Long (>40 years)	Endemic		5 High			
2210	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.41	0.44	4.92	2.34	Mature	Normal	Average	Deadwood-Minor Asymmetric Canopy	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
2211	1		<i>Eucalyptus pilularis</i>	Blackbutt	25.0	8.0	0.26	0.36	3.12	2.15	Mature	Fair	Average		Long (>40 years)	Endemic		4 Moderate			
2212	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	4.0	0.18	0.22	2.16	1.75	Semi-mature	Poor	Suppressed	Epicormic Growth Tip Dieback Termites	Short (5-15 years)	Endemic		3 Low			
2213	1		<i>Angophora costata</i>	Smooth-barked Apple	21.0	8.0	0.45	0.55	5.40	2.57	Mature	Poor	Average	Deadwood-Major	Medium (15-40 years)	Endemic		3 Low	On edge of trail. Relatively poor condition.	Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to be moved away and avoid nearby High Value Trees.
2214	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	10.0	0.43	0.55	5.16	2.57	Mature	Normal	Average	Deadwood-Minor Epicormic Growth	Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to be moved away and avoid nearby High Value Trees.
2215	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.50	0.56	6.00	2.59	Mature	Normal	Average	Deadwood-Minor	Long (>40 years)	Endemic		4 Moderate			
2216	1		<i>Eucalyptus pilularis</i>	Blackbutt	21.0	10.0	0.25	0.28	3.00	1.94	Mature	Fair	Poor	Asymmetric Canopy Lean-Major	Medium (15-40 years)	Endemic		3 Low	Major lean and asymmetric to south. Growing directly adjacent large dead tree.		
2217	1		<i>Eucalyptus pilularis</i>	Blackbutt	20.0	6.0	0.50	0.68	6.00	2.81	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Endemic		1 Dead			
2218	1		<i>Eucalyptus pilularis</i>	Blackbutt	29.0	16.0	0.64	0.72	7.68	2.88	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic		5 High			
2219	1		<i>Syncarpia glomulifera</i>	Turpentine	21.0	9.0	0.34	0.41	4.08	2.28	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2220	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	7.0	0.34	0.36	4.08	2.15	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate		Remove	Within direct conflict and footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to allow boardwalk to be moved away and avoid nearby High Value Trees 2221,2218,2219
2221	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	10.0	0.47	0.55	5.64	2.57	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic		5 High			

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2222	1		<i>Eucalyptus pilularis</i>	Blackbutt	23.0	10.0	0.30	0.30	3.60	2.00	Mature	Fair	Average	Deadwood-Major Lean-Minor Hangers Asymmetric Canopy Termites	Long (>40 years)	Endemic		4 Moderate	Asymmetric to east.		
2223	1		<i>Eucalyptus pilularis</i>	Blackbutt	28.0	18.0	0.95	1.12	11.40	3.47	Mature	Good	Good	Deadwood-Minor	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
2224	1		<i>Eucalyptus pilularis</i>	Blackbutt	17.0	5.0	0.23	0.60	2.76	2.67	Mature	Poor	Poor	Deadwood-Minor Decay-Major	Short (5-15 years)	Endemic		2 Very Poor		Remove	Minor conflict and near footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to due to poor form and condition
2225	1		<i>Eucalyptus resinifera</i>	Red Mahogany	25.0	6.0	0.25	0.33	3.00	2.08	Mature	Fair	Average	Epicormic Growth Tip Dieback	Medium (15-40 years)	Endemic		3 Low		Remove	Minor conflict and near footprint of QuarryRd / CrusherPlant Boardwalk. Assume removed to due to poor form and condition
2226	1		<i>Eucalyptus pilularis</i>	Blackbutt	16.0	6.0	0.40	0.44	4.80	2.34	Dead	Dead	Average	Deadwood-Major Termites	Short (5-15 years)	Endemic		1 Dead			
2227	1		<i>Angophora costata</i>	Smooth-barked Apple	11.0	8.0	0.29	0.33	3.48	2.08	Mature	Poor	Average	Deadwood-Major Epicormic Growth Tip Dieback Branch Tearouts	Short (5-15 years)	Endemic		3 Low	Right next to bike trail ramp.		
2228	1		<i>Eucalyptus pilularis</i>	Blackbutt	6.0	2.0	0.25	0.29	3.00	1.97	Mature	Poor	Poor	Epicormic Growth	Medium (15-40 years)	Endemic		2 Very Poor	Top broken out.		
2229	1		<i>Syncarpia glomulifera</i>	Turpentine	18.0	5.0	0.19	0.24	2.28	1.82	Mature	Normal	Average		Long (>40 years)	Endemic		4 Moderate	Closely spaced grouping.		
2230	1		<i>Syncarpia glomulifera</i>	Turpentine	20.0	6.0	0.20	0.26	2.40	1.88	Mature	Normal	Average	Co-dominant Stems	Long (>40 years)	Endemic		4 Moderate	Closely spaced grouping.		
2231	1		<i>Eucalyptus resinifera</i>	Red Mahogany	21.0	6.0	0.25	0.33	3.00	2.08	Mature	Fair	Average	Tip Dieback Deadwood-Minor	Medium (15-40 years)	Endemic		3 Low			
2232	1		<i>Angophora costata</i>	Smooth-barked Apple	26.0	14.0	0.63	0.76	7.56	2.95	Mature	Normal	Average	Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High			
2233	1		<i>Eucalyptus pilularis</i>	Blackbutt	27.0	18.0	1.04	1.17	12.48	3.53	Mature	Normal	Average	Co-dominant Stems Deadwood-Major	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	Butt sweep and kink otherwise ok.		
2234	1		<i>Syncarpia glomulifera</i>	Turpentine	22.0	7.0	0.29	0.36	3.48	2.15	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2235	1		<i>Eucalyptus pilularis</i>	Blackbutt	26.0	15.0	0.80	0.94	9.60	3.22	Mature	Good	Good	Deadwood-Minor Termites	Long (>40 years)	Endemic	Small Hollows or Spouts	5 High	On edge of trail.		
2236	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	10.0	0.43	0.55	5.16	2.57	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2237	1		<i>Casuarina cunninghamiana</i>	River She-Oak	22.0	10.0	0.30	0.43	3.60	2.32	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2238	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	5.0	0.16	0.20	2.00	1.68	Semi-mature	Fair	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	Asymmetric to north.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2239	1		<i>Casuarina cunninghamiana</i>	River She-Oak	16.0	6.0	0.19	0.23	2.28	1.79	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2240	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	7.0	0.22	0.45	2.64	2.37	Mature	Normal	Poor	Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Tridominant trunk.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2241	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.26	0.32	3.12	2.05	Mature	Normal	Poor		Short (5-15 years)	Native		2 Very Poor	Growing out of concrete walling.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2242	1		<i>Casuarina cunninghamiana</i>	River She-Oak	17.0	6.0	0.20	0.28	2.40	1.94	Mature	Normal	Average		Medium (15-40 years)	Native		3 Low	Growing out of corner of crib retaining wall.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2243	1		<i>Casuarina cunninghamiana</i>	River She-Oak	20.0	10.0	0.36	0.48	4.32	2.43	Mature	Fair	Poor	Co-dominant Stems	Short (5-15 years)	Native		2 Very Poor	Growing at corner and base of concrete structure.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2244	1		<i>Casuarina cunninghamiana</i>	River She-Oak	19.0	8.0	0.38	0.56	4.56	2.59	Mature	Fair	Poor	Co-dominant Stems Inclusions	Short (5-15 years)	Native		2 Very Poor	Growing into corner of concrete structure	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2245	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.23	0.40	2.76	2.25	Mature	Normal	Average		Short (5-15 years)	Native		2 Very Poor	Growing on top of and adjacent to major concrete structure.	Remove	Within footprint of Crusher Plant landscape and embellishment works.
2246	1		<i>Casuarina cunninghamiana</i>	River She-Oak	18.0	6.0	0.22	0.33	2.64	2.08	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Crusher Plant landscape and embellishment works.
2247	1		<i>Casuarina cunninghamiana</i>	River She-Oak	25.0	16.0	0.93	1.12	11.16	3.47	Mature	Fair	Average	Deadwood-Major	Medium (15-40 years)	Native		4 Moderate	Large tree on steep embankment.		
2248	1		<i>Casuarina cunninghamiana</i>	River She-Oak	27.0	10.0	0.60	0.79	7.20	3.00	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On very steep and unstable embankment.		
2249	1		<i>Pinus elliotii</i>	Slash Pine	21.0	10.0	0.50	0.68	6.00	2.81	Mature	Normal	Poor	Lean-Minor Tip Dieback Asymmetric Canopy Deadwood-Major	Medium (15-40 years)	Invasive		2 Very Poor	Lean and asymmetric to north-east.	Remove	Exotic invasive species which shou dbe targetted for removal.
2250	1		<i>Casuarina cunninghamiana</i>	River She-Oak	21.0	8.0	0.34	0.65	4.08	2.76	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Tridominant from base.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.

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2251	1		Casuarina cunninghamiana	River She-Oak	19.0	6.0	0.25	0.37	3.00	2.18	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	At base of embankment.		
2252	1		Casuarina cunninghamiana	River She-Oak	21.0	10.0	0.40	0.55	4.80	2.57	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	At base of embankment	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2253	1		Casuarina cunninghamiana	River She-Oak	19.0	6.0	0.21	0.35	2.52	2.13	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2254	1		Casuarina cunninghamiana	River She-Oak	23.0	8.0	0.42	0.61	5.04	2.69	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	At base of embankment. Tridominant.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2255	1		Casuarina cunninghamiana	River She-Oak	19.0	9.0	0.27	0.30	3.24	2.00	Mature	Normal	Poor	Asymmetric Canopy	Medium (15-40 years)	Native		3 Low	At base of embankment. Asymmetric to north.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2256	1		Casuarina cunninghamiana	River She-Oak	21.0	8.0	0.27	0.29	3.24	1.97	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	At base of embankment.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2257	1		Casuarina cunninghamiana	River She-Oak	21.0	7.0	0.27	0.29	3.24	1.97	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	At base of embankment.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2258	1		Casuarina cunninghamiana	River She-Oak	10.0	10.0	0.18	0.23	2.16	1.79	Mature	Fair	Poor	Lean-Major Asymmetric Canopy Root Impacts	Remove (<5 years)	Native		2 Very Poor	Within landslip zone. Major lean and asymmetric to north.	Remove	Poor tree and likley excessive impacts from upgraded Quarry access road and installation of services.
2259	1		Casuarina cunninghamiana	River She-Oak	18.0	7.0	0.26	0.31	3.12	2.02	Mature	Fair	Average	Deadwood-Minor	Medium (15-40 years)	Native		3 Low	At base of embankment.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2260	1		Casuarina glauca	Swamp She-Oak	17.0	5.0	0.18	0.22	2.16	1.75	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Mid embankment.		
2261	1		Casuarina glauca	Swamp She-Oak	18.0	6.0	0.22	0.25	2.64	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	On mid embankment.		
2262	1		Casuarina glauca	Swamp She-Oak	21.0	7.0	0.22	0.26	2.64	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Near road edge.	Remove	Likley excessive impacts from upgraded Quarry access road and installation of services.
2263	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.30	0.37	3.60	2.18	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2264	1		Casuarina cunninghamiana	River She-Oak	19.0	6.0	0.24	0.32	2.88	2.05	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2265	1		Grevillea robusta	Silky Oak	23.0	10.0	0.42	0.58	5.04	2.63	Mature	Normal	Average		Medium (15-40 years)	Invasive		3 Low	Holding top of embankment together with privots.		
2266	1		Casuarina cunninghamiana	River She-Oak	16.0	5.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low	Trunk wound at 2m to north.		
2267	1		Casuarina cunninghamiana	River She-Oak	17.0	8.0	0.21	0.25	2.52	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2268	1		Eucalyptus saligna	Sydney Blue Gum	21.0	10.0	0.53	0.63	6.36	2.73	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2269	1		Eucalyptus saligna	Sydney Blue Gum	22.0	18.0	0.68	0.76	8.16	2.95	Mature	Normal	Good	Deadwood-Minor Lean-Minor	Long (>40 years)	Endemic		5 High	Minor lean towards road.		
2270	1		Eucalyptus saligna	Sydney Blue Gum	23.0	10.0	0.48	0.60	5.76	2.67	Mature	Normal	Good		Long (>40 years)	Endemic		5 High			
2271	1		Eucalyptus saligna	Sydney Blue Gum	27.0	10.0	0.63	0.75	7.56	2.93	Mature	Good	Good		Long (>40 years)	Endemic		5 High			
2272	1		Eucalyptus saligna	Sydney Blue Gum	27.0	14.0	0.63	0.77	7.56	2.97	Mature	Good	Good		Long (>40 years)	Endemic		5 High	Trunk wound on road side at 1m, otherwise ok.		
2273	1		Casuarina cunninghamiana	River She-Oak	23.0	8.0	0.35	0.44	4.20	2.34	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2274	1		Casuarina cunninghamiana	River She-Oak	21.0	3.0	0.21	0.25	2.52	1.85	Dead	Dead	Average	Deadwood-Major	Short (5-15 years)	Native		1 Dead	Minimal habitat value. Should remove.	Remove	Dead tree with minimal habitat value, should remove.
2275	1		Casuarina cunninghamiana	River She-Oak	22.0	6.0	0.26	0.35	3.12	2.13	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2276	1		Casuarina cunninghamiana	River She-Oak	23.0	8.0	0.37	0.50	4.44	2.47	Mature	Fair	Poor	Co-dominant Stems Inclusions Branch Tearouts Cracks/Splits Epicormic Growth	Medium (15-40 years)	Native		3 Low			
2277	1		Casuarina cunninghamiana	River She-Oak	24.0	10.0	0.46	0.61	5.52	2.69	Mature	Normal	Average	Hangers	Medium (15-40 years)	Native		4 Moderate	Major hanger.		
2278	1		Casuarina cunninghamiana	River She-Oak	23.0	12.0	0.70	0.70	8.40	2.85	Mature	Good	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of upgraded Quarry access road.
2279	1		Casuarina cunninghamiana	River She-Oak	23.0	9.0	0.45	0.57	5.40	2.61	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of upgraded Quarry access road.
2280	1		Casuarina cunninghamiana	River She-Oak	19.0	7.0	0.27	0.33	3.24	2.08	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			

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	Removal	Removal Notes
2281	1		Casuarina cunninghamiana	River She-Oak	20.0	6.0	0.27	0.34	3.24	2.10	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2282	1		Casuarina cunninghamiana	River She-Oak	20.0	5.0	0.20	0.24	2.40	1.82	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2283	1		Casuarina cunninghamiana	River She-Oak	20.0	7.0	0.20	0.25	2.40	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of upgraded Quarry access road.
2284	1		Casuarina cunninghamiana	River She-Oak	17.0	5.0	0.20	0.23	2.40	1.79	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of upgraded Quarry access road.
2285	1		Casuarina cunninghamiana	River She-Oak	19.0	7.0	0.27	0.35	3.24	2.13	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2286	1		Casuarina cunninghamiana	River She-Oak	23.0	12.0	0.55	0.60	6.60	2.67	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2287	1		Casuarina cunninghamiana	River She-Oak	23.0	12.0	0.37	0.45	4.44	2.37	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2288	1		Casuarina cunninghamiana	River She-Oak	22.0	7.0	0.29	0.40	3.48	2.25	Mature	Good	Good		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of upgraded Quarry access road.
2289	1		Casuarina cunninghamiana	River She-Oak	17.0	7.0	0.17	0.23	2.04	1.79	Mature	Fair	Poor	Asymmetric Canopy Deadwood-Minor	Medium (15-40 years)	Native		3 Low	Asymmetric to south-west.	Remove	Within footprint of upgraded Quarry access road.
2290	1		Casuarina cunninghamiana	River She-Oak	24.0	12.0	0.42	0.52	5.04	2.51	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On top of bund.		
2291	1		Casuarina cunninghamiana	River She-Oak	20.0	14.0	0.45	0.62	5.40	2.71	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2292	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.37	0.45	4.44	2.37	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2293	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.23	0.26	2.76	1.88	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2294	1		Casuarina cunninghamiana	River She-Oak	22.0	5.0	0.24	0.30	2.88	2.00	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On top of bund.	Remove	Within footprint of Quarry Access stairs embellishment works.
2295	1		Casuarina cunninghamiana	River She-Oak	19.0	5.0	0.22	0.26	2.64	1.88	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Quarry Access stairs embellishment works.
2296	1		Casuarina cunninghamiana	River She-Oak	21.0	6.0	0.22	0.25	2.64	1.85	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Quarry Access stairs embellishment works.
2297	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.25	0.30	3.00	2.00	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Quarry Access stairs embellishment works.
2298	1		Casuarina cunninghamiana	River She-Oak	22.0	6.0	0.19	0.25	2.28	1.85	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low		Remove	Within footprint of Quarry Access stairs embellishment works.
2299	1		Casuarina cunninghamiana	River She-Oak	23.0	5.0	0.18	0.23	2.16	1.79	Mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low	On top of bund.	Remove	Within footprint of Quarry Access stairs embellishment works.
2300	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.17	0.20	2.04	1.68	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate		Remove	Within footprint of Quarry Access stairs embellishment works.
2301	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.40	0.40	4.80	2.25	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate			
2302	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.20	0.26	2.40	1.88	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2303	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.29	0.39	3.48	2.23	Mature	Normal	Average	Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	On top of bund.		
2304	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.20	0.25	2.40	1.85	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On top of bund.		
2305	1		Casuarina cunninghamiana	River She-Oak	24.0	8.0	0.24	0.29	2.88	1.97	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate			
2306	1		Casuarina cunninghamiana	River She-Oak	18.0	6.0	0.26	0.32	3.12	2.05	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On top of bund.		
2307	1		Casuarina cunninghamiana	River She-Oak	22.0	8.0	0.20	0.23	2.40	1.79	Mature	Normal	Average		Medium (15-40 years)	Native		4 Moderate	On top of bund.		
2308	1		Casuarina cunninghamiana	River She-Oak	18.0	4.0	0.21	0.30	2.52	2.00	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2309	1		Casuarina cunninghamiana	River She-Oak	14.0	3.0	0.16	0.23	2.00	1.79	Semi-mature	Fair	Average	Poor Taper	Medium (15-40 years)	Native		3 Low			
2310	1		Casuarina cunninghamiana	River She-Oak	10.0	3.0	0.19	0.23	2.28	1.79	Mature	Fair	Average		Medium (15-40 years)	Native		3 Low			
2311	1		Casuarina cunninghamiana	River She-Oak	10.0	3.0	0.21	0.32	2.52	2.05	Mature	Fair	Poor	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Asymmetric to north		
2312	1		Casuarina cunninghamiana	River She-Oak	14.0	6.0	0.33	0.39	3.96	2.23	Mature	Normal	Average	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Asymmetric to north		

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2313	1		Casuarina cunninghamiana	River She-Oak	12.0	3.0	0.18	0.24	2.16	1.82	Mature	Normal	Average	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Asymmetric to north		
2314	1		Casuarina cunninghamiana	River She-Oak	14.0	5.0	0.25	0.32	3.00	2.05	Mature	Normal	Average	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		4 Moderate	Asymmetric to north		
2315	1		Casuarina cunninghamiana	River She-Oak	12.0	6.0	0.18	0.25	2.16	1.85	Mature	Normal	Poor	Asymmetric Canopy Co-dominant Stems	Medium (15-40 years)	Native		3 Low	Asymmetric to north. Near road edge.		