



the **arbor centre** CONSULTANCY

Revision 1 - Stage 2 – Collaborative Design Review
Australian Hockey Stadium - Curtin University
July 2024

Prepared for:

ASPECT Studios

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February 2024 (revised July 2024)
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Reference Number: Q006842/1

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Purpose of this Report

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Arbor Centre have been engaged by Aspect Studios in August 2023 to assess the existing trees in light of the proposed development of the Australian Hockey Centre at Curtin University and provide Arboricultural Advice surrounding this development.

A tree survey was undertaken by Arbor Centre in September 2023 which provided the design team with base information regarding tree data. As part of these Stage 2 works Arbor Centre will provide an updated version of the Table of Results in light of the proposed construction works that includes: Species Name (Botanical and Common); Age; Tree Height; Canopy Spread; Useful Life Expectancy; Tree Health; Canopy Structure; Trunk Diameter; TPZ Radius; Observations and Comments; Preliminary Canopy Pruning Works; Recommendations / Proposed outcomes post design review; Longitude and Latitude for the x410 trees (as specified within/adjacent the proposed development) located within the proposed works area at Curtin University in Bentley, Western Australia (refer Table of Results and Field Definitions for further detail).

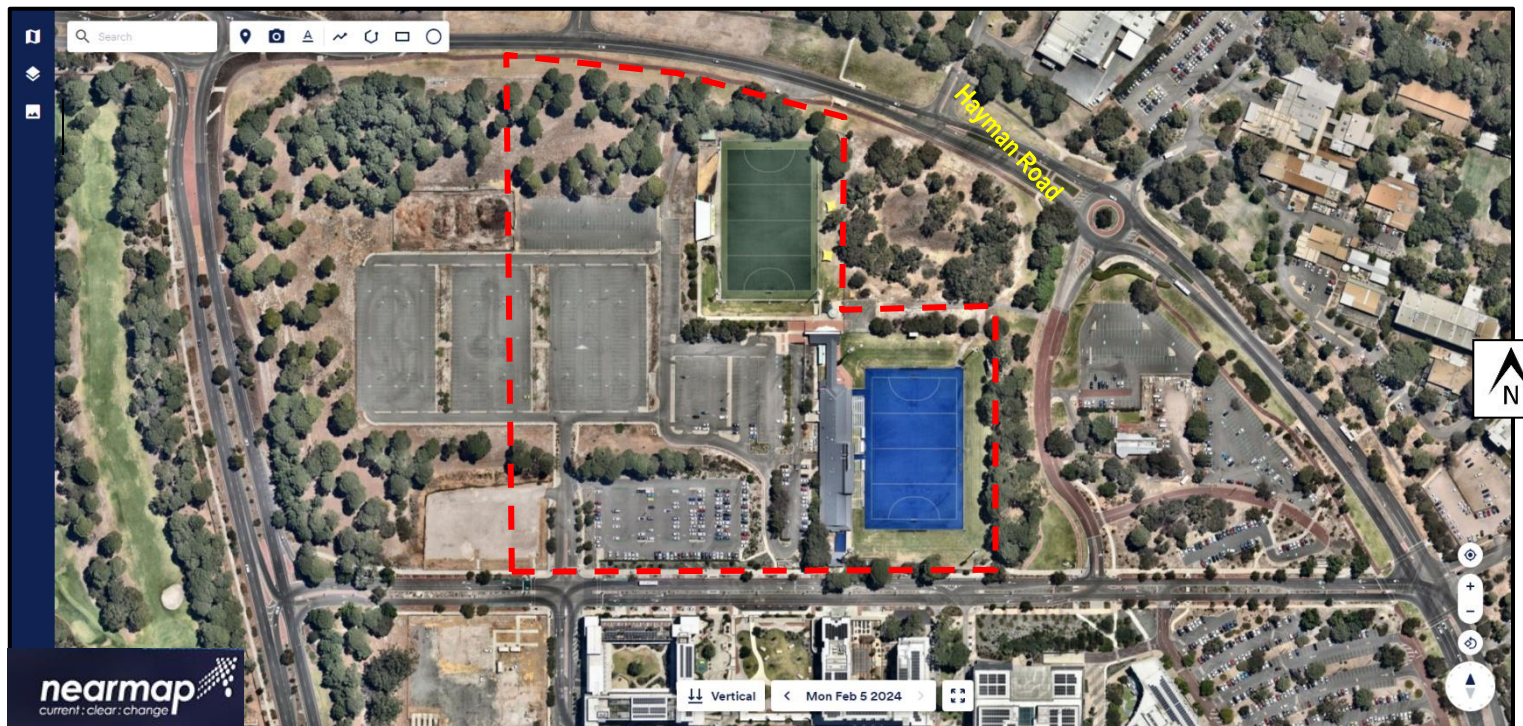


Figure 1. Satellite image showing approximate area assessed at the proposed Australian Hockey Centre (Curtin University, Bentley, Western Australia). Image Source – www.NearMap.com , Image date 5th February 2024



Tree Location Image

Tree Location Image – Recommendations Post Design Review

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Legend

- Retain; Develop Tree Retention Specifications – ●
- Retain (Conditional) Pending Further Analysis – ●
- Retain (Conditional) Further Advice Required – ●
- Consider Removal/Replacement – ●
- Marked for Removal; Consider relocation – ●
- Marked for Removal; Consider utilization of log sections – ●

Figure 2: Tree location Image – Recommendations Post Design Review. Image Source – www.nearmaps.com , Image date 1st June 2024

Note: Tree locations are an approximate and for reference purposes only (the GIS coordinates are to be used as a guide only to verifying location and tree specific information). The GIS Data is deemed reliable but provided "as is" without warranty of any representation of accuracy, timeliness, reliability or completeness. The map documents do not represent a legal survey of the land and are for graphical purposes only. Use of the Data for any purpose should be with acknowledgment of the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction, and update.



Arboricultural Design Comments

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Overview

Root zone impacts (and associated root loss) can often negatively affect tree health (and stability) immediately and/or many years after the event.

To achieve tree success, appropriate tree protection and remedial measures must be factored into design refinements and works methodologies; appropriately implemented and; specific remedial measures actioned and appropriately supervised throughout the project.

This current proposal will require collaboration between Arbor Centre, Aspect Studios and the design team, to review and in some instances modify the proposal in order to successfully retain the subject trees. Where encroachment (demolition, construction, excavation, landscaping or otherwise) into the nominal AS 4970 Tree Protection Zones is required (refer Table of Results for specific TPZ measurements & Appendix A for detail), further Arboricultural input will be necessary to assess the extent of potential impact that may occur and if required, provide Arboricultural measures that can be taken to enable modification of the nominal TPZ and allow root zone encroachment to occur (as identified below).

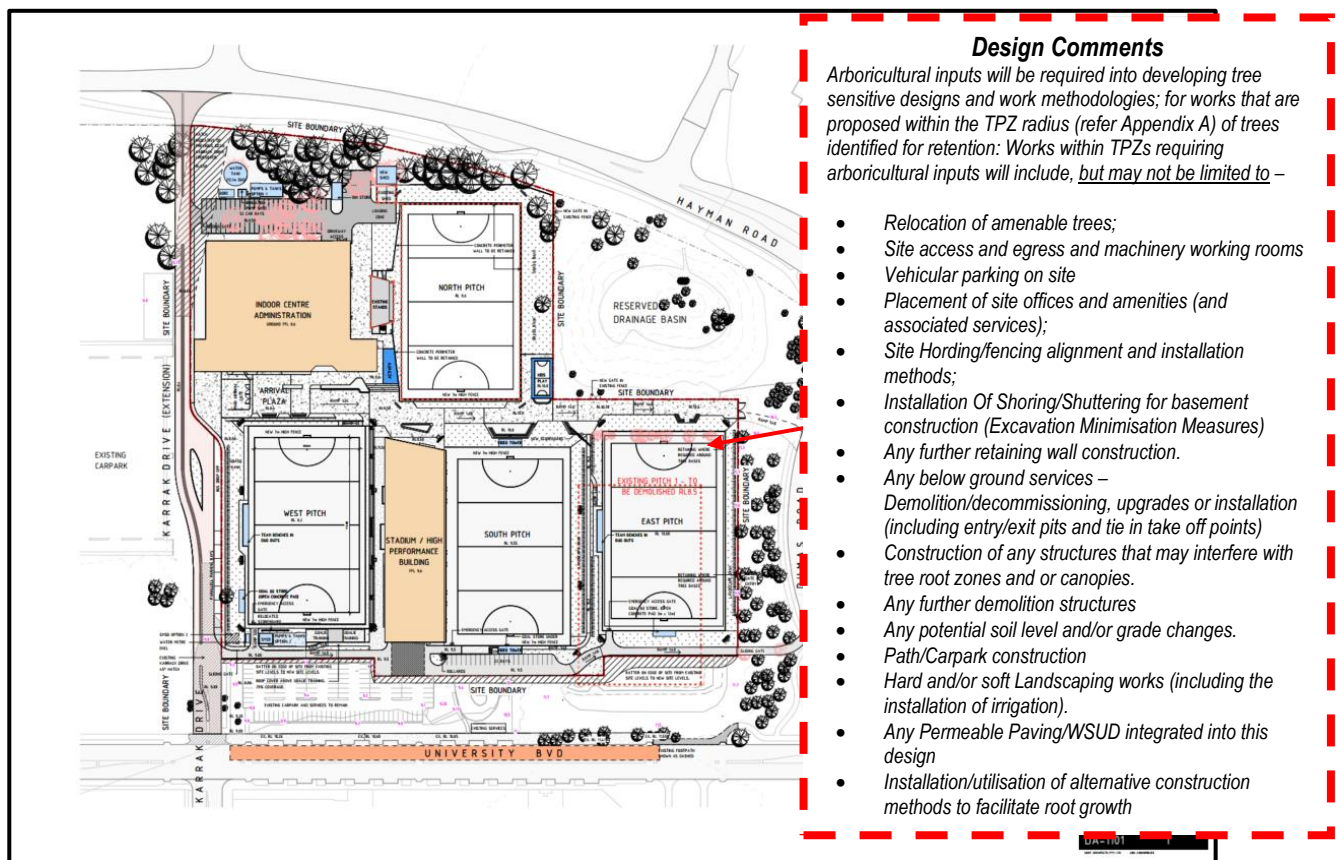


Figure 3. 2310-DA-1101-Site Plan (I) – Supplied by Aspect Studios – July 2024



Tree Relocation Considerations

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Further specialist Arboricultural inputs will be required from Arbor Centre's Tree Supply and Relocation Division in identifying, preparing, relocating and re-establishing trees that are proposed for potential relocation within and/or externally to the development site. refer *Arbor Centre's Stage 1 Report*, September 2023 for further detail.

Site and Tree Geo Location Validation

Validation of the sites survey data should be undertaken to ground truth location of trees in relation to the proposed structures and works. This will ensure that any issues regarding alignments in conflict with existing trees are addressed in the design stages for the project.

Relocation of Works Beyond TPZ Projections (where Possible)

To enable greater retention of tree root mass and lessen root zone encroachment, consideration should be given to relocating/diverting any construction works beyond the TPZ projections – refer *Appendix A AS 4970* for detail. Where diversion of works/impacts to beyond the TPZ is not possible/practicable, site assessment and exploratory excavations may need to be undertaken by Arbor Centre to quantify potential root loss, identify measures that may limit (additional) unnecessary root damage/impact; and/or provide possible remedial measures that effectively offset potential root loss. Furthermore, exploratory excavations can provide a better understanding of actual depths of roots and if descending/oblique (anchorage) roots are present (or otherwise) as part of confirming site safety and identifying actual tree risk mitigation management options.

Where scheduled works cannot reasonably be diverted outside the TPZ, Arboricultural supervision will be required to quantify potential root loss, limit unnecessary root damage/impact, and/or provide possible remedial measures necessary to offset potential root loss. Works include but are not limited to;

- Clearing/Demolition and site stripping;
- Any soil level changes (cut and/or fill);
- Any Construction;
- Below ground service installation/upgrades;
- Hard and Soft Landscaping (including irrigation installation).



Below Ground Installations (or upgrade works)

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Where redirection/relocation isn't possible/practical and below ground installation works (including entry and exit pits and take off and tie in points) are proposed to pass through/adjacent the TPZs, prior consultation with Arbor Centre is required to develop and specify root sensitive installation methodologies that avoid unnecessary damage to tree roots (e.g. subterranean boring; trenching using Air knife and industrial Vac truck or hand digging under the guidance of the Arbor Centre – refer figure 4 for example).

Realignment and/or redesign of types and locations of footings that encroach into the TPZs should also be considered to avoid and/or minimise impact with roots within the TPZ (e.g. consideration could be given to screw-piles or; pillar and panel and or bridging over roots as a 'more tree sensitive'



Figure 4. Example of vacuum excavations to uncover root mass – image supplied by Arbor Centre.

alternatives to continuous strip footings – that allowing existing ground levels to be maintained and greater root mass within these areas to be retained).

Note: Final design and installation methodologies that are proposed to be undertaken within TPZs should be determined in conjunction with Arbor Centre.

Soil Levels

Modification of existing soil levels within TPZ areas should only occur if there is prior approval by Arbor Centre. Moderate raising of soil levels may be considered beyond the identified TPZ's area instead of cutting/lowering existing levels (i.e. omitting "boxing outs" for roads, paths, footings, retaining walls, paving etc...)

Note: Any proposed modification of soil levels within the TPZs is to be determined in conjunction with Arbor Centre prior to being undertaken.

Alternative Design Methodologies - Road & Path Construction Modifications

Arbor Centre recommends that root sensitive options be investigated/ implemented for the installation of paths and roadways as to limit root loss (from box outs and grade changes); soil compaction and rutting, improve distribution of loading and to ensure that overall root disturbance can be properly quantified and managed. Preferred options include:-



- Water Sensitive Urban Design (WSUD) and Permeable Paving installations within the TPZ's of the retained trees (where plausible) – Refer *Appendix C – Road and Path Construction Modifications* for further detail.
- Where Installation of surface protection and/or trunk and branch protection measures may need to be considered for the site (where identified by Arbor Centre and if required) to enable vehicle/machinery movement within the TPZ's - The installation of a “Geoweb” system <https://www.geofabrics.co/products/geoweb%C2%AE> refer Appendix C (or approved equivalent) on top of current ground level (i.e. no box outs or excavations for installation) should be considered as alternative ground protection measure. The Geoweb system is typically installed on top of a geotextile layer and filled with washed and screened aggregate (as to limit leaching and soil contamination).
- Consideration could be given to the moderate raising of soil levels within/adjacent the TPZ areas instead of cutting/lowering existing levels, however, the utilisation of aeration layers and further discussion with Arbor Centre will be required prior to the raising of soil levels in the TPZ's – refer *Appendix D* for further detail on Aeration Layers.

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Alternative Design Methodologies - Back of Kerb Treatments (Asset Protection)

Where applicable consideration should be given to the integration of assets (kerbs, bitumen, parking, paths, etc.) and the existing trees being retained (and new plantings). Arbor Centre recommends root sensitive treatments are installed for the asset protection – Refer *Appendix E* for further detail.

Proactive and Reactive Remediation Works

The contractors/responsible party should make appropriate provision for supplementary watering of the retained and new trees, rates and frequencies of watering are subject to the amount of potential root loss sustained & seasonal variation. These watering requirements will be specified further in *Arbor Centre's Stage 3 Tree Retention Specification* and ongoing review of required remediation will be undertaken throughout the development (by the Project Arboriculturist in conjunction with the Superintendent).

Note: *Potential further remedial measures for both canopy and root zone (i.e. root zone coring, soil wetting agents and liquid organic soil drenching) may be required subject to approval from Arbor Centre.*

Tree Protection Zones (TPZ)

- Tree Protection Zones (TPZ's) are three dimensional. They include canopy above ground and root zones beneath the surface;



- Activities within the 'work specific' TPZ's are restricted and subject to prior approval by the Superintendent (in conjunction with Arbor Centre) throughout the works phase;
- The TPZ's are to be treated as a "No Go" zones and provision for works or associated activities may need to be facilitated elsewhere on site unless otherwise pre-approved by the Superintendent (in conjunction with Arbor Centre);
- TPZ's are to be retained for the duration of the works period and are not subject to modification without approval by the Superintendent (in conjunction with Arbor Centre);
- Contractors are to be aware of the TPZ within their extent of works area at all times and that no works are to occur within these areas without prior approval by the Superintendent (in conjunction with Arbor Centre).

Note: The 'Nominal' TPZ show the area where roots of significance are likely to be located and where if not otherwise identified in plans, drawings or the site-specific specification, are to be assumed as 'no go' zones. All TPZ's require authorisation by the site superintendent (in conjunction with Arbor Centre) prior to entry. Works specific TPZ's will be identified in the specifications for forward works and construction works and referred to as the 'work specific' TPZ's.

Demolition & Forward Works

Arboricultural input should be included in determining methodologies and specifications prior to the commencement of any Demolition and Forward Works in the work specific TPZ's.

Note: Demolition methodologies that are proposed to be undertaken within the nominal TPZs are to be determined in conjunction and with the approval of the Arbor Centre.

Installation Of Shoring/Shuttering (Excavation Minimisation Measures)

Where excavations are proposed to occur within or adjacent TPZ areas, installation of Box/ Sheet pile Shoring or grout injection will need to be considered to prevent soil collapse and associated root zone impacts. **Note:** Shoring types and installation methodologies that are proposed to be undertaken within the nominal TPZs are to be determined in conjunction with Arbor Centre.

Selection and placement of construction machinery

Types and locations of machinery; construction methodologies and; site access/egress need to recognise the existing dimensions of the trees canopies (noted low spread of some trees on site) and root systems and that the implementation of protective measures may be required prior to the commencement of works.



Note: Final design and installation methodologies that are proposed to be undertaken within the nominal TPZs are to be determined in conjunction with Arbor Centre.

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TPZs and Tree Protection Fencing

The implementation of work specific Tree Protection Zones (TPZ's) and the erection of approved protective fencing and identification signage is to be installed prior any further commencement of works at the delineation of the TPZ's identified for every stage of the redevelopment

- During Demolition;
- During Forward Works;
- During Construction; and
- During Landscaping Works (Both hard and soft landscaping).

(refer *Appendix A Overview of Australian Standards AS 4970* for a high level overview of the tree retention process).

Hard and Soft Landscaping

Arboricultural inputs will be required to review contractor works methods to ensure works are implemented and undertaken in a tree sensitive manner.

Site Preparation and Tree Selection

Trees require structurally sound root systems to establish into the landscape and thrive over the long term; this can be supported by ensuring trees are produced in accordance with the Australian Standard *AS 2303 'Tree Stock for Landscape Use' 2015*. Tree stock strategies can be developed to find the best possible outcome for the landscaping locations throughout the site (i.e. Root ball investigations, growing trees from onsite sources, Arbor Centre Civic Tree options, Arbor Centre Tree Supply options, etc.). refer *Appendix A - Overview of Australian Standards AS 2303 'Tree Stock for Landscape Use' 2015*.

TPZ Usage and Restrictions

The Work Specific Tree Protection Zones to be retained for the duration of the construction period and should not be modified without prior approval from Arbor Centre. Contractors at each stage of development to be made aware of the Tree Protection Zone's within their site's works area, and that only pre-approved works (approved by Arbor Centre) are to occur within this area.

For example: -



- Traversing and/or Parking of plant machinery or vehicles where root protection measures have not been implemented;
- Storage for construction or deleterious materials where root protection measures have not been implemented;
- Removal of existing trees/stumps to be ground (through the use of a stump grinder) instead of being 'grubbed out';
- Unauthorised removal of vegetation;
- Unprotected vehicle refuelling;
- Preparation of chemicals and concrete washout;
- Areas to dump construction and general waste where root protection measures have not been implemented;
- Unauthorised wash down or cleaning of any kind;
- Locations for site offices or toilets where root protection measures have not been implemented;
- Unauthorised excavation activities;
- Pruning of the tree's canopies – refer Appendix A *Overview of Australian Standards AS4373* for further detail;
- Pruning of roots (subject to Arbor Centre approval) where proposed works may encroach into the TPZ area(s), will need to be undertaken by and under the supervision of Arbor Centre; and
- Any other activity that may harm or injure the tree above or below ground.

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Other TPZ Works Considerations

- Refinement and further specialist Arboricultural input will be required in determining construction methodologies and specifications prior to finalising and implementing a design; to ensure minimal tree root and canopy impact can be designed into the project.
- Ongoing Arboricultural inspections &/or supervision during the construction/works period by Arbor Centre will be critical in ensuring tree welfare is preserved.

References: AS 4373 2007, AS 4970 2009, AS 2303 2015,



Conclusions

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Further consultation with Arbor Centre will be required regarding:

- Further inputs into the relocation of the amenable specimens;
- How best to limit demolition and construction impact during and after the construction and development phase;
- The type of works being proposed around the trees and their associated methodologies and the impact these works may have on the trees;
- The development of Tree Preservation Specifications for the project (Arbor Centres Stage 3 *Tree Preservation Specifications*);
- The modification of the nominal TPZs to site specific TPZs.

Refer to Recommendations for further detail.

Consideration needs to be given to the specialised nature of the tree management works contained within this report which; if undertaken or specified incorrectly, may have a negative effect on tree health and/or structure. It is imperative that only arboricultural organisations with staff suitably qualified and experienced in tree management and/or tree preservation or relocation are engaged in monitoring, maintaining, and managing the trees into the future.

Any works undertaken to the subject trees are to be approved by Arbor Centres Arboricultural Consultants (in collaboration with the design team) prior to their commencement and; undertaken by Arbor Centre's qualified Arboriculturist's and/or Arborists.

It is important to recognise that the successful preservation of existing, mature trees through a development project requires a proactive approach to the tree preservation process.

Reactive works, which attempt to repair damaged trees, are generally more costly/problematic in the long term than adopting a preventative approach. Achieving the successful preservation & protection of the assessed trees will require specialist and timely Arboricultural input into the development of construction specifications and drawings.



Recommendations

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Site and Tree Geo Location Validation

That validation of the sites survey data should be undertaken to ground truth location of trees in relation to the proposed structures and works.

Relocation of Identified trees

Consideration should be given to the relocation of identified trees where construction may not enable successful in situ tree retention.

Undertake Investigations Where Required

Prior to the development of the final tree retention specifications investigation works should be undertaken to ensure that the proposed alignments can be achieved and whether remedial works will be required prior to the construction works taking place.

Develop Tree Retention Specifications

That Tree and site-specific retention specifications be developed by Arbor Centre for the proposed construction and implemented on ground to the necessary standards throughout the duration of the project.

Ongoing Arboricultural Inputs into the Project to Achieve Successful Tree Retention

- That the “*Tree Protection Notes for Incorporation into Construction Drawings*” identified in Appendix B are included into construction and landscape drawings as an immediate reference for contractors working on site – Refer Appendix B for further detail;
- That an ongoing, collaborative Arboricultural review and refinement of the proposed design and work methodology(s) is undertaken by Arbor Centre in conjunction with other parties, to develop and implement further tree sensitive designs which are proposed to occur and/or encroach within the work specific TPZ's of the subject trees identified for retention.

Ongoing Arboricultural Management

- That any further recommendations made for the subject trees be specified by Arbor Centre in keeping with the Australian Standards (refer Appendix A for further detail) :-
 - AS 4970 ‘*Protection of Trees on Development Sites*’ 2009;



- AS 4373 'Pruning of Amenity Trees' 2007
- AS 2303 'Tree Stock for Landscape Use' 2015

and; be approved prior to commencement by Arbor Centre.

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Table of Results and Field Definitions

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Field Definitions

Arbor Centre Tree ID Number - States Arbor Centre's individual tree identification number for this project.

Species Identification - States the genus, species and common name for each tree.

Age Status - States the estimated age at the time of assessment. (Juvenile, Semi Mature, Mature, Post Mature).

Tree Height - Measured in meters taken from ground level to the highest point of the trees canopy.

Canopy Spread - Measured in meters taken at the widest points of the trees canopy.

Useful Life Expectancy - Provides estimation of the individual trees remaining Useful Life Expectancy (ULE) (0 Dead, <5 Years, 5 – 10 years, 10 – 40 years, or 40+).

Tree Health - States the health of the tree at the time of assessment. (Good, Acceptable, Questionable, Poor, Dead). Refer *Health and Structure Definitions* below for further explanation.

Canopy Structure - States the structure of the tree at the time of assessment. (Good, Acceptable, Questionable, Poor) Refer *Health and Structure Definitions* below for further explanation.

Trunk Diameter - Accurate measurement of trunk diameter in millimetres. Measured at 1.4 meters above ground level for single stemmed trees; immediately below bifurcation in co-dominant stemmed trees or at ground level for multi stemmed trees.

Tree Protection Zone (TPZ) Radius - Minimum root zone required to be protected during construction, development or during any activities that may encroach into the zone which may cause harm or injure the tree and its parts. Measured in meters, as a radius from centre of trunk. Calculated as: x12 DBH. *Note: - TPZ is to not be <2 meters and not >15 meters or measured to the extent of canopy, whichever is greater. As per Australian Standards AS 4970 "Protection of trees on development sites" 2009.*



Structural Root Zone (SRZ) Radius: - The SRZ is the nominal area required for tree stability, further investigations are required to validate work-specific SRZ's. A larger area (TPZ) is required to maintain a viable tree through the development. The SRZ is not a replacement for the Tree Protection Zone (TPZ) and should not be considered as such.

Observations & Comments: - Provides general information relevant for the individual specimen.

Preliminary Recommendation (identified in Stage 1 Reporting): - Provides preliminary recommendations for the assessed specimens Consider Removal, Retain, or Retain (Conditional - seek further Arboricultural advice), considering the proposed development for the site

Recommended / Proposed outcomes post design review: - Clarifies tree removals that are proposed for roads, buildings, service alignments, etc, identifies the trees which can be retained subject to further investigations and identifies the trees that can be retained with minimal (to no) alterations to the proposed design (based on the supplied design documentation).

Longitude & Latitude: - Provides X & Y location coordinates for the individual tree.



Health and Structure Definitions

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Tree Health	Definition
Good	Tree displays typical foliage size, colouration and density for a specimen of the species. Seasonal stem elongation and wound wood response also appears typical. A build-up of seasonal deadwood may be present.
Acceptable	Tree displays typical foliage size and colouration. Canopy mass may be slightly thin or have more than typical amount of deadwood present within canopy. Seasonal stem elongation and wound wood response may be inhibited. Tree may be displaying a response to recently changed environs.
Questionable	Tree displays less than typical foliage size, colouration and density for a specimen of the species. Large sections of deadwood may be evident in upper canopy. Seasonal stem elongation and wound wood response may be suppressed. Retention of the tree requires remedial works in order for the specimen to become "Acceptable".
Poor	Tree canopy indicates decline. Tree displays less than 30% live canopy mass and will be problematic to long term retention. Beginning of spiral of decline. Remedial works unlikely to improve tree health.
Dead	Tree has no living conductive tissue within its main stem.

Tree Structure	Definition
Good	Primary framework has structure that is typical of the species at its stage of maturity. Secondary (and beyond) branch attachments are typical of the species. The tree may have inconsequential/minor imperfections.
Acceptable	Primary framework has structure that is typical of the species at its stage of maturity, but which presents defects that may need to be monitored. Secondary (and beyond) branch attachment are typical of the species, but presents structural defects that may require remedial work within the scope of ongoing maintenance. Can include storm damaged and Lopped trees that have developed acceptable branch attachment (subject to species).
Questionable	Primary and secondary framework has evidence of its structural integrity being compromised (i.e.: Storm damage, deleterious pruning, breaks, cracks, fractures, included bark, major decay, poor branch taper etc.). Retention of the tree requires remedial works in order for the specimen to become "Acceptable".
Poor	Tree displays significant structural defects that will be problematic to long term retention. i.e.: extensive stem cavities, split/broken unions. Remedial works unlikely to improve form.



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0001	880	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	3	4	40 + years	Acceptable	Acceptable	0.220	0.242	Yes	6 Months	2.64	1.824	Reasonable specimen;Bark included branch/stem unions;Bifurcates between 2m and 4m;Deadwood - minor;Rubbing, crossing stems - minor;Surface roots;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890742449	-31.999636574
AC0002	881	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	4	4	40 + years	Acceptable	Acceptable	0.230	0.232	Yes - Not recommended		2.76	1.792	Canopy chlorotic (yellowing);Deadwood - minor;Rubbing, crossing stems - minor;Surface roots;Tree on lean - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890688764	-31.999636882
AC0003	882	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	5	6	40 + years	Acceptable	Acceptable	0.240	0.242	Yes - Not recommended		2.88	1.824	Canopy suppression - minor;Canopy starting to indicate decline;Canopy chlorotic (yellowing);Canopy slightly sparse;Deadwood - minor;Rubbing, crossing stems - major (< 50mm);Surface roots	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Marked for Removal (by Others); Consideration should be given to relocation	115.890607003	-31.999642127
AC0004	883	<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Mature	6	5	10 - 40 years	Questionable	Acceptable	0.320	0.352	No		3.84	2.134	Canopy suppression - minor;Canopy starting to indicate decline;Canopy sparse;Deadwood - major (300mm+);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Prior pruning - poor; Main stem is dead, canopy originates from near base of tree	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890602067	-31.999673289
AC0005	884	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	5	5	40 + years	Acceptable	Acceptable	0.220	0.242	Yes	6 Months	2.64	1.824	Canopy chlorotic (yellowing);Canopy slightly sparse;Bifurcates between 2m and 4m;Deadwood - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890544988	-31.999643670
AC0006	885	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	8	8	40 + years	Acceptable	Acceptable	0.300	0.330	Yes	6 Months	3.60	2.077	Reasonable specimen;Canopy suppression - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890485750	-31.999647064
AC0007	886	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	9	6	40 + years	Acceptable	Acceptable	0.390	0.429	Yes - Not recommended		4.68	2.319	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to main stem;Surface roots;Root/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890458290	-31.999690259
AC0008	887	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	11	7	40 + years	Acceptable	Acceptable	0.430	0.473	Yes	12 Months	5.16	2.417	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Surface roots	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890424043	-31.999678226
AC0009	888	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	6	6	40 + years	Acceptable	Acceptable	0.230	0.253	Yes - Not recommended		2.76	1.858	Canopy suppression - major;Deadwood - major (50mm to 150mm);Prior pruning - poor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890428054	-31.999636574
AC0010	889	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	9	40 + years	Acceptable	Acceptable	0.480	0.930	Yes	12 Months	5.76	3.210	Bark included branch/stem unions;Canopy suppression - minor;Deadwood - major (< 50mm);Surface roots;Surface root damage - minor;Root/infrastructure conflict - major; Significant surface roots noted	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890374678	-31.999688099
AC0011	890	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	7	6	40 + years	Good	Good	0.370	0.407	Yes	12 Months	4.44	2.269	Reasonable specimen;Canopy suppression - minor;Deadwood - minor;Rubbing, crossing stems - minor;Previous failures - major (< 50mm);Surface roots;Canopy/infrastructure conflict - minor; Significant surface root	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890363262	-31.999650766
AC0012	891	<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Mature	7	7	40 + years	Good	Acceptable	0.500	0.870	No		6.00	3.121	Canopy suppression - minor;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Surface roots;Prior pruning - poor; Significant epicormic growth noted	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890310812	-31.999688099
AC0013		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	0.000	0.000	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.890290449	-31.999645521



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0014	892	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	7	5	40 + years	Acceptable	Acceptable	0.280	0.308	Yes - Not recommended		3.36	2.018	Canopy suppression - major;Deadwood - minor;Rubbing, crossing stems - major (< 50mm);Surface roots	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890240466	-31.999639659
AC0015	895	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	9	6	40 + years	Good	Acceptable	0.360	0.396	Yes - Not recommended		4.32	2.243	Canopy suppression - major;Deadwood - major (50mm to 150mm);Surface roots;Active wound occlusion;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890160556	-31.999640893
AC0016		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	8	40 + years	Acceptable	Acceptable	0.590	1.080	Yes	12 Months	7.08	3.418	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Rubbing, crossing stems - minor;Surface roots;Canopy/infrastructure conflict - minor; Minor aerial roots noted; Significant surface roots noted	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890167344	-31.999654160
AC0017		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	6	40 + years	Good	Acceptable	0.490	0.900	Yes	12 Months	5.88	3.166	Good Specimen;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - minor;Surface roots;Surface root damage - major;Root/infrastructure conflict - minor; Significant surface roots noted	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890180302	-31.999677609
AC0018		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	9	10	40 + years	Good	Acceptable	0.730	0.980	Yes - Not recommended		8.76	3.281	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor;Root/infrastructure conflict - minor; Tree noted to be growing over possible drainage pit	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890105946	-31.999685014
AC0019		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	0.000	0.000	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.890143741	-31.999570702
AC0020	142	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Semi-Mature	5	4	40 + years	Acceptable	Acceptable	0.210	0.231	Yes	6 Months	2.52	1.788	Canopy slightly sparse;Rubbing, crossing stems - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890144358	-31.999179174
AC0021	143	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	7	8	40 + years	Good	Acceptable	0.380	0.418	Yes	6 Months	4.56	2.294	Good Specimen;Bifurcates at 4m+;Rubbing, crossing stems - minor;Previous failures - minor;Surface roots;Root/infrastructure conflict - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890138188	-31.999231008
AC0022	900	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	7	6	40 + years	Good	Acceptable	0.370	0.407	Yes - Not recommended		4.44	2.269	Deadwood - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (50mm to 150mm);Surface roots;Canopy/infrastructure conflict - minor; Apical stem noted to be failed and hanging in canopy; Large epicormic shoot noted to be acting as a co-dominant stem	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890136337	-31.999280373
AC0023	899	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Mature	7	5	40 + years	Good	Acceptable	0.310	0.341	Yes	6 Months	3.72	2.106	Reasonable specimen;Deadwood - minor;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890137571	-31.999343314
AC0024	898	<i>Brachychiton acerifolius</i> (Illawarra Flame Tree)	Semi-Mature	6	10	40 + years	Good	Good	0.260	0.286	Yes	6 Months	3.12	1.956	Good Specimen;Deadwood - minor;Wounding noted to main stem;Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890139422	-31.999394530
AC0025		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890142507	-31.999521028
AC0026		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890145593	-31.999461790



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AC0027	452	Brachychiton acerifolius (Illawarra Flame Tree)	Semi-Mature	7	4	40 + years	Acceptable	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Deadwood - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890147598	-31.998681048
AC0028	453	Brachychiton acerifolius (Illawarra Flame Tree)	Mature	8	6	40 + years	Good	Acceptable	0.340	0.374	Yes - Not recommended		4.08	2.190	Bark included branch/stem unions;Bifurcates between 1m and 2m;Deadwood - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890143587	-31.998634151
AC0029	454	Pinus pinaster (Maritime Pine)	Mature	19	16	40 + years	Acceptable	Acceptable	0.650	0.880	No		7.80	3.136	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890125229	-31.998524159
AC0030	455	Pinus pinaster (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.590	1.110	No		7.08	3.458	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.890110420	-31.998474794
AC0031	456	Pinus pinaster (Maritime Pine)	Mature	20	10	40 + years	Acceptable	Acceptable	0.520	0.690	No		6.24	2.832	Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889999040	-31.998441781
AC0032	457	Pinus pinaster (Maritime Pine)	Mature	18	7	40 + years	Acceptable	Acceptable	0.430	0.473	No		5.16	2.417	Leggy form;Canopy slightly sparse;Deadwood - minor;Tree on lean - major; Light pole adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890009838	-31.998309420
AC0033	460	Pinus pinaster (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.540	0.594	No		6.48	2.659	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890154849	-31.998333486
AC0034	458	Pinus pinaster (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.600	0.600	No		7.20	2.670	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm); Service pit adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890074013	-31.998210073
AC0035		Pinus pinaster (Maritime Pine)	Mature	19	13	40 + years	Acceptable	Acceptable	0.680	0.748	No		8.16	2.929	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890196809	-31.998231053
AC0036	459	Pinus pinaster (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.590	1.160	No		7.08	3.522	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890086971	-31.998285355
AC0037	420	Pinus pinaster (Maritime Pine)	Mature	13	11	40 + years	Good	Acceptable	0.560	0.660	No		6.72	2.779	Reasonable specimen;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Tree on lean - minor;Root/infrastructure conflict - minor;Prior pruning - poor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889876552	-31.998882057
AC0038	421	Pinus pinaster (Maritime Pine)	Mature	20	14	40 + years	Good	Acceptable	0.780	0.858	No		9.36	3.103	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Root/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889879399	-31.998842374
AC0039	419	Pinus pinaster (Maritime Pine)	Mature	20	10	40 + years	Acceptable	Acceptable	0.740	0.500	No		8.88	2.474	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889807205	-31.998846693



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AC0040	423	Pinus pinaster (Maritime Pine)	Mature	17	9	40 + years	Good	Acceptable	0.500	0.830	No		6.00	3.060	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889798567	-31.998687496
AC0041	422	Pinus pinaster (Maritime Pine)	Mature	18	12	40 + years	Good	Acceptable	0.690	0.860	No		8.28	3.106	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889849781	-31.998643069
AC0042	444	Pinus pinaster (Maritime Pine)	Mature	17	10	40 + years	Good	Acceptable	0.560	1.120	No		6.72	3.471	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889853484	-31.998522745
AC0043	445	Pinus pinaster (Maritime Pine)	Mature	17	9	40 + years	Acceptable	Acceptable	0.430	1.090	No		5.16	3.431	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889896060	-31.998478318
AC0044	447	Pinus pinaster (Maritime Pine)	Semi-Mature	14	10	40 + years	Acceptable	Good	0.290	0.319	No		3.48	2.048	Leggy form;Canopy suppression - major;Deadwood - minor;Rubbing, crossing stems - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889939716	-31.998410289
AC0045	448	Pinus pinaster (Maritime Pine)	Semi-Mature	14	10	40 + years	Good	Good	0.290	0.319	No		3.48	2.048	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889924598	-31.998382830
AC0046	449	Pinus pinaster (Maritime Pine)	Mature	18	11	40 + years	Acceptable	Acceptable	0.450	0.495	No		5.40	2.463	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889885416	-31.998373574
AC0047	450	Pinus pinaster (Maritime Pine)	Mature	18	10	40 + years	Acceptable	Acceptable	0.440	0.484	No		5.28	2.440	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889811062	-31.998303540
AC0048	451	Pinus pinaster (Maritime Pine)	Mature	22	15	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889884799	-31.998276390
AC0049	446	Pinus pinaster (Maritime Pine)	Mature	17	8	40 + years	Acceptable	Acceptable	0.440	1.300	No		5.28	3.695	Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889804274	-31.998433736
AC0050	443	Pinus pinaster (Maritime Pine)	Mature	16	7	40 + years	Good	Acceptable	0.390	1.450	No		4.68	3.868	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889754757	-31.998512564
AC0051	442	Pinus pinaster (Maritime Pine)	Juvenile	8	4	40 + years	Acceptable	Good	0.200	1.220	No		2.40	3.598	Reasonable specimen;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889739947	-31.998453636
AC0052	426	Pinus pinaster (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Canopy suppression - minor;Bifurcates at 4m+;Rubbing, crossing stems - major (150mm to 300mm);Previous failures - major (150mm to 300mm)	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889726064	-31.998564395



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AC0053	425	<i>Pinus pinaster</i> (Maritime Pine)	Mature	17	11	40 + years	Acceptable	Acceptable	0.480	0.528	No		5.76	2.531	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889672381	-31.998618695
AC0054	424	<i>Pinus pinaster</i> (Maritime Pine)	Mature	18	10	40 + years	Good	Acceptable	0.480	0.528	No		5.76	2.531	Canopy suppression - minor;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889713723	-31.998665591
AC0055	428	<i>Pinus pinaster</i> (Maritime Pine)	Mature	17	9	40 + years	Acceptable	Acceptable	0.450	0.495	No		5.40	2.463	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889623762	-31.998722893
AC0056	418	<i>Pinus pinaster</i> (Maritime Pine)	Mature	17	10	40 + years	Acceptable	Acceptable	0.560	0.616	No		6.72	2.700	Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889599570	-31.998779744
AC0057	417	<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	15	0 (Dead)	Dead	Questionable	0.550	0.605	No		6.60	2.680	Dead Tree	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889453485	-31.998803963
AC0058	429	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	13	40 + years	Acceptable	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889505290	-31.998683402
AC0059		<i>Unknown</i> (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889677444	-31.998694509
AC0060		<i>Pinus pinaster</i> (Maritime Pine)	Juvenile	4	3	40 + years	Acceptable	Good	0.120	0.132	No		2.00	1.414	Leggy form;Tree on lean - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889607719	-31.998665508
AC0061	427	<i>Pinus pinaster</i> (Maritime Pine)	Mature	17	10	40 + years	Acceptable	Acceptable	0.440	0.484	No		5.28	2.440	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889596612	-31.998600719
AC0062	441	<i>Pinus pinaster</i> (Maritime Pine)	Mature	16	10	40 + years	Acceptable	Acceptable	0.530	0.583	No		6.36	2.638	Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889672199	-31.998406659
AC0063	440	<i>Pinus pinaster</i> (Maritime Pine)	Semi-Mature	14	8	40 + years	Acceptable	Good	0.310	0.800	No		3.72	3.013	Reasonable specimen;Leggy form;Canopy suppression - minor;Deadwood - minor; Large epicomic shoot noted to base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889617900	-31.998406042
AC0064	437	<i>Pinus pinaster</i> (Maritime Pine)	Mature	20	13	40 + years	Good	Acceptable	0.720	0.520	No		8.64	2.515	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889613580	-31.998331997
AC0065	439	<i>Pinus pinaster</i> (Maritime Pine)	Mature	16	13	40 + years	Good	Acceptable	0.540	0.594	No		6.48	2.659	Reasonable specimen;Canopy suppression - minor;Bifurcates at 4m+;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889678370	-31.998280782



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0066	438	Pinus pinaster (Maritime Pine)	Mature	20	9	40 + years	Acceptable	Acceptable	0.600	1.250	No		7.20	3.635	Canopy suppression - minor;Canopy slightly sparse;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889595069	-31.998242526
AC0067	434	Pinus pinaster (Maritime Pine)	Mature	21	15	40 + years	Good	Acceptable	0.820	0.902	No		9.84	3.169	Reasonable specimen;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - major;Root/infrastructure conflict - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889473203	-31.998217535
AC0068	435	Pinus pinaster (Maritime Pine)	Mature	20	11	40 + years	Good	Acceptable	0.650	0.750	No		7.80	2.933	Reasonable specimen;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889446979	-31.998363466
AC0069	436	Pinus pinaster (Maritime Pine)	Semi-Mature	12	8	40 + years	Good	Good	0.260	0.286	No		3.12	1.956	Reasonable specimen;Bifurcates at ground level;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889501896	-31.998321507
AC0070	415	Pinus pinaster (Maritime Pine)	Mature	20	12	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Wounding noted at basal area;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889374168	-31.998832418
AC0071	414	Pinus pinaster (Maritime Pine)	Mature	21	10	40 + years	Good	Acceptable	0.640	1.760	No		7.68	4.196	Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889350103	-31.998756522
AC0072	413	Pinus pinaster (Maritime Pine)	Mature	22	12	40 + years	Good	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889325422	-31.998656561
AC0073	430	Pinus pinaster (Maritime Pine)	Mature	20	16	40 + years	Good	Acceptable	0.650	0.715	No		7.80	2.874	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm); Partially failed dead branch suspended in canopy	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889449756	-31.998590229
AC0074		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889353343	-31.998469443
AC0075		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889460091	-31.998507082
AC0076		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889525498	-31.998463272
AC0077		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889242275	-31.998613831
AC0078		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889213583	-31.998474688



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AC0079	431	<i>Pinus pinaster</i> (Maritime Pine)	Mature	20	12	40 + years	Good	Acceptable	0.680	1.680	No		8.16	4.115	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889245978	-31.998302224
AC0080	432	<i>Pinus pinaster</i> (Maritime Pine)	Mature	21	13	40 + years	Good	Acceptable	0.740	1.220	No		8.88	3.598	Reasonable specimen;Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889263255	-31.998212136
AC0081		<i>Pinus pinaster</i> (Maritime Pine)	Mature	20	14	40 + years	Acceptable	Acceptable	0.650	2.290	No		7.80	4.687	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.890196531	-31.998392004
AC0082	463	<i>Pinus pinaster</i> (Maritime Pine)	Mature	20	16	40 + years	Acceptable	Acceptable	0.640	0.704	No		7.68	2.856	Canopy suppression - major;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.890276746	-31.998377812
AC0083	873	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Hedge noted to base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890810003	-31.999833977
AC0084		<i>Unknown</i> (see comments)	Juvenile	6	3	0 (Dead)	Dead	Questionable	0.110	0.121	No		3.50	1.363	Dead Tree	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890727838	-32.000495885
AC0085	847	<i>Eucalyptus sideroxylon</i> (Iron Bark)	Mature	7	9	40 + years	Acceptable	Acceptable	0.320	0.352	No		3.84	2.134	Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between 2m and 4m;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890725061	-32.000525349
AC0086	848	<i>Corymbia maculata</i> (Spotted Gum)	Semi-Mature	9	7	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	12 Months	3.24	1.987	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890732003	-32.000551575
AC0087	849	<i>Corymbia maculata</i> (Spotted Gum)	Mature	13	9	40 + years	Good	Acceptable	0.370	0.407	Yes	12 Months	4.44	2.269	Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - minor;Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890734317	-32.000599089
AC0088	850	<i>Eucalyptus leucoxylon</i> (Yellow Gum)	Mature	7	10	40 + years	Acceptable	Acceptable	0.260	0.560	No		3.12	2.594	Canopy suppression - major;Deadwood - minor;Rubbing, crossing stems - major (< 50mm);Previous failures - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890734355	-32.000621187
AC0089	851	<i>Corymbia maculata</i> (Spotted Gum)	Semi-Mature	11	8	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	12 Months	3.24	1.987	Leggy form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890724405	-32.000649186
AC0090	852	<i>Eucalyptus sideroxylon</i> (Iron Bark)	Mature	10	10	40 + years	Acceptable	Acceptable	0.560	0.616	No		6.72	2.700	Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (150mm to 300mm);Active wound occlusion	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890731964	-32.000666001
AC0091	853	<i>Corymbia maculata</i> (Spotted Gum)	Semi-Mature	13	3	40 + years	Questionable	Questionable	0.120	0.132	Yes	12 Months	2.00	1.414	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy sparse;Wounding noted to main stem;Tree on lean - minor;Prior pruning - poor; Original canopy mostly gone	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consideration should be given to relocation	115.890737017	-32.000693731



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AC0092	854	<i>Eucalyptus sideroxylon</i> (Iron Bark)	Mature	11	14	40 + years	Acceptable	Acceptable	0.530	0.583	No		6.36	2.638	Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890736168	-32.000716176
AC0093	855	<i>Corymbia maculata</i> (Spotted Gum)	Semi-Mature	13	5	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	12 Months	3.24	1.987	Canopy suppression - major;Bifurcates at 4m+;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890726912	-32.000743636
AC0094	856	<i>Eucalyptus sideroxylon</i> (Iron Bark)	Semi-Mature	4	3	10 - 40 years	Questionable	Questionable	0.200	0.550	No		2.40	2.575	Bark included branch/stem unions;Canopy suppression - major;Canopy indicates decline;Canopy sparse;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (< 50mm);Tree unstable in the ground - minor; Slight root heave noted	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890721667	-32.000768627
AC0095	857	<i>Corymbia maculata</i> (Spotted Gum)	Mature	16	10	40 + years	Acceptable	Acceptable	0.490	1.120	Yes (Not Recommended)		5.88	3.471	Reasonable specimen;Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890729303	-32.000794158
AC0096	858	<i>Eucalyptus sideroxylon</i> (Iron Bark)	Mature	10	8	40 + years	Acceptable	Acceptable	0.370	0.407	No		4.44	2.269	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Rubbing, crossing stems - minor;Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890728840	-32.000816989
AC0097	859	<i>Corymbia maculata</i> (Spotted Gum)	Semi-Mature	10	6	40 + years	Acceptable	Acceptable	0.180	0.198	Yes	12 Months	2.16	1.676	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy sparse;Bifurcates at 4m+;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890730075	-32.000842289
AC0098	846	<i>Hymenosporum flavum</i> (Australian Frangipani)	Mature	11	7	40 + years	Good	Acceptable	0.260	0.286	Yes	12 Months	3.12	1.956	Reasonable specimen;Bifurcates between 2m and 4m;Deadwood - minor;Previous failures - minor;Surface roots; Service pits adjacent	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890968536	-32.000548021
AC0099		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890958598	-32.000517004
AC0100		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890979577	-32.000568097
AC0101		<i>Callistemon salignus</i> var. 'Rubra' (White Flowering Bottlebrush)	Mature	5	5	40 + years	Good	Acceptable	0.250	0.275	Yes	6 Months	3.00	1.924	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Canopy/infrastructure conflict - major;Previously lopped	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890991686	-32.000511922
AC0102		<i>Callistemon salignus</i> (White Flowering Bottlebrush)	Juvenile	3	4	40 + years	Acceptable	Acceptable	0.060	0.066	Yes	6 Months	2.00	1.057	Leggy form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at ground level;Tree on lean - minor;Prior pruning - poor;Previously lopped	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890996005	-32.000580723
AC0103	843	<i>Hymenosporum flavum</i> (Australian Frangipani)	Mature	9	9	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	12 Months	3.24	1.987	Canopy suppression - major;Canopy slightly sparse;Wounding noted at basal area;Surface roots;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890967733	-32.000703008
AC0104	840	<i>Banksia littoralis</i> (Swamp Banksia)	Mature	8	8	40 + years	Acceptable	Acceptable	0.360	0.396	No		4.32	2.243	Reasonable specimen;Canopy suppression - minor;Bifurcates between 1m and 2m;Significant tree with issues - retain;Surface roots;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890983392	-32.000774077



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AC0105		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890985901	-32.000732132
AC0106		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890943325	-32.000754654
AC0107	841	Hymenosporum flavum (Australian Frangipani)	Mature	8	6	40 + years	Acceptable	Acceptable	0.180	0.198	Yes	12 Months	2.16	1.676	Bark included branch/stem unions;Canopy suppression - major;Canopy chlorotic (yellowing);Bifurcates between 1m and 2m;Deadwood - minor;Wounding noted at basal area;Previous failures - minor;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890976566	-32.000745268
AC0108		Hymenosporum flavum (Australian Frangipani)	Mature	8	6	40 + years	Acceptable	Acceptable	0.180	0.198	Yes - Not recommended		2.16	1.676	Leggy form;Canopy suppression - minor;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (< 50mm);Surface roots;Canopy/infrastructure conflict - minor; Dead apical stem; Avian damage noted to canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890972250	-32.000720574
AC0109		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889238286	-32.000478056
AC0110		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.889385643	-32.000403374
AC0111		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.889750023	-32.000373460
AC0112		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.889931108	-32.000466613
AC0113	814	Pinus pinaster (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.630	0.693	No		7.56	2.837	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890119254	-32.000399851
AC0114	817	Eucalyptus gomphocephala (Tuart)	Semi-Mature	7	8	40 + years	Good	Acceptable	0.230	0.253	Yes	12 Months	2.76	1.858	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.889421834	-32.000694338
AC0115	822	Melaleuca quinquenervia (Broad Leaved Paperbark)	Semi-Mature	4	4	40 + years	Good	Acceptable	0.170	0.187	Yes - Not recommended		2.04	1.637	Bark included branch/stem unions;Bifurcates between ground level and 1m;Prior pruning - poor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889356735	-32.000892719
AC0116	816	Melaleuca quinquenervia (Broad Leaved Paperbark)	Semi-Mature	6	6	40 + years	Good	Acceptable	0.200	0.220	Yes	6 Months	2.40	1.752	Bark included branch/stem unions;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.889353650	-32.000715626
AC0117	815	Melaleuca quinquenervia (Broad Leaved Paperbark)	Semi-Mature	7	5	40 + years	Acceptable	Acceptable	0.170	0.187	Yes - Not recommended		2.04	1.637	Bark included branch/stem unions;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.889344688	-32.000669581



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AC0118	826	<i>Eucalyptus gomphocephala</i> (Tuart)	Semi-Mature	6	7	40 + years	Questionable	Acceptable	0.220	0.242	No		2.64	1.824	Canopy starting to indicate decline;Canopy sparse;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889722318	-32.001106234
AC0119		<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Semi-Mature	4	3	40 + years	Acceptable	Acceptable	0.110	0.121	No		2.00	1.363	Bark included branch/stem unions;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889773110	-32.001044601
AC0120		<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Juvenile	3	3	40 + years	Good	Acceptable	0.120	0.132	No		2.00	1.414	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889918159	-32.001046508
AC0121	827	<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Juvenile	4	3	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor; Possible minor canker present in canopy	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.890241985	-32.001037474
AC0122	828	<i>Eucalyptus gomphocephala</i> (Tuart)	Semi-Mature	8	7	40 + years	Acceptable	Acceptable	0.250	0.275	No		3.00	1.924	Reasonable specimen;Bifurcates between 2m and 4m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890505182	-32.001109547
AC0123		<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Semi-Mature	5	5	40 + years	Acceptable	Acceptable	0.170	0.187	No		2.04	1.637	Good Specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890577054	-32.001050524
AC0124		<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Semi-Mature	4	4	40 + years	Acceptable	Acceptable	0.130	0.143	No		2.00	1.462	Bifurcates between 2m and 4m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890547743	-32.001026432
AC0125		<i>Eucalyptus camaldulensis</i> (River Red Gum)	Semi-Mature	5	4	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Deadwood - minor;Tree on lean - major; Past constriction due to vine cover may have influenced current form	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890563000	-32.000687148
AC0126	835	<i>Corymbia maculata</i> (Spotted Gum)	Mature	16	16	40 + years	Good	Acceptable	0.550	0.605	Yes - Not recommended		6.60	2.680	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890975257	-32.000861250
AC0127	836	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	5	10	40 + years	Acceptable	Acceptable	0.390	0.429	Yes	12 Months	4.68	2.319	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Rubbing, crossing stems - major (50mm to 150mm);Tree on lean - major;Canopy/infrastructure conflict - major;Prior pruning - poor; Electrical conduit attached to main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891012599	-32.000855507
AC0128		<i>Callistemon viminalis</i> (Bottlebrush)	Juvenile	2	2	40 + years	Acceptable	Acceptable	0.100	0.110	No		2.00	1.310	Canopy suppression - major;Canopy slightly sparse;Bifurcates at ground level;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891038207	-32.000855199
AC0129	837	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Semi-Mature	5	10	40 + years	Acceptable	Acceptable	0.120	0.132	Yes	6 Months	2.00	1.414	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Tree on lean - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891015607	-32.000927317
AC0130		<i>Callistemon viminalis</i> (Bottlebrush)	Juvenile	2	3	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Multi stemmed form;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891033965	-32.000916827



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0131	838	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	7	13	40 + years	Acceptable	Acceptable	0.480	0.528	Yes	12 Months	5.76	2.531	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (150mm to 300mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891028643	-32.000962721
AC0132		<i>Callistemon viminalis</i> (Bottlebrush)	Semi-Mature	4	3	40 + years	Acceptable	Acceptable	0.110	0.121	No		2.00	1.363	Bark included branch/stem unions;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891027640	-32.000971746
AC0133		<i>Callistemon viminalis</i> (Bottlebrush)	Juvenile	4	3	40 + years	Acceptable	Acceptable	0.100	0.110	No		2.00	1.310	Bark included branch/stem unions;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates at ground level;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891039056	-32.000987943
AC0134		<i>Callistemon viminalis</i> (Bottlebrush)	Juvenile	4	3	40 + years	Acceptable	Acceptable	0.100	0.110	No		2.00	1.310	Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - major (< 50mm); Electrical pit adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891010825	-32.001008306
AC0135	839	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	8	12	40 + years	Acceptable	Acceptable	0.680	0.748	Yes	18 Months	8.16	2.929	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (< 50mm);Surface roots;Canopy/infrastructure conflict - major; Electrical pit adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890980358	-32.001015634
AC0136		<i>Unknown</i> (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	0.400	0.440	N/A		4.80	2.344	Remnant stump at this location	N/A	N/A	115.891227528	-32.001028322
AC0137	106	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Semi-Mature	7	6	40 + years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Leggy form;Canopy suppression - major;Bifurcates at ground level;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891210714	-32.001020300
AC0138		<i>Ficus carica</i> (Edible Fig)	Mature	4	5	40 + years	Acceptable	Acceptable	0.100	0.110	Yes - Not recommended		2.00	1.310	Canopy suppression - major;Prior pruning - poor;Previously lopped; Several epicormic shoots at base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891248200	-32.001027088
AC0139		<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Semi-Mature	4	4	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Canopy/infrastructure conflict - minor;Prior pruning - poor; Possible borer holes noted in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891246676	-32.001017017
AC0140	146	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	9	16	40 + years	Acceptable	Acceptable	1.220	1.640	No		14.64	4.074	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Deadwood - major (150mm to 300mm);Previous failures - major (< 50mm);Canopy/infrastructure conflict - minor; Possible borer holes noted in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891271513	-32.001094922
AC0141	117	<i>Pinus pinaster</i> (Maritime Pine)	Mature	22	13	40 + years	Good	Acceptable	0.690	0.759	No		8.28	2.947	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891188833	-32.001098428
AC0142		<i>Unknown</i> (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891229706	-32.001239161
AC0143		<i>Unknown</i> (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891398320	-32.001229134



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0144		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891421460	-32.001250731
AC0145		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891420072	-32.001183625
AC0146		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891499056	-32.001173752
AC0147		Agonis flexuosa (Weeping Peppermint Tree)	Mature	12	17	40 + years	Good	Acceptable	0.860	0.946	No		10.32	3.233	Reasonable specimen;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm);Root/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891373560	-32.001084971
AC0148	133	Agonis flexuosa (Weeping Peppermint Tree)	Mature	7	15	40 + years	Acceptable	Acceptable	0.720	1.270	No		8.64	3.659	Multi stemmed form;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Previous failures - major (150mm to 300mm);Root/infrastructure conflict - major;Canopy/infrastructure conflict - minor;Prior pruning - poor; Avian damage noted in canopy; Ficus seedling growing in union in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891436501	-32.001070162
AC0149	134	Pinus pinaster (Maritime Pine)	Mature	28	18	40 + years	Good	Acceptable	0.850	0.935	No		10.20	3.217	Reasonable specimen;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Habitat value - fauna; Nest noted in canopy; Cinnamomum camphora sapling at base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891438352	-32.001094227
AC0150		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891329212	-32.001117865
AC0151		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891468665	-32.001062639
AC0152	132	Agonis flexuosa (Weeping Peppermint Tree)	Mature	9	17	40 + years	Acceptable	Acceptable	0.810	1.400	No		9.72	3.812	Multi stemmed form;Bark included branch/stem unions;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (300mm+);Root/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891652012	-32.001085126
AC0153	107	Callistemon viminalis (Bottlebrush)	Mature	6	7	40 + years	Good	Acceptable	0.260	1.270	No		3.12	3.659	Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Wounding noted to main stem;Habitat Value - native fauna observed;Prior pruning - poor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891741710	-32.001071278
AC0154		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891538461	-32.001154842
AC0155		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891677300	-32.001137564
AC0156		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891674831	-32.001225187



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AC0157		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891822309	-32.001243699
AC0158		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891859795	-32.001161167
AC0159		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891928289	-32.001181839
AC0160		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891969015	-32.001150368
AC0161		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891957600	-32.001202819
AC0162		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891986602	-32.001183073
AC0163		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891993081	-32.001182147
AC0164		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892034115	-32.001197574
AC0165		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892045840	-32.001118898
AC0166		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892100758	-32.001172891
AC0167		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892119270	-32.001224107
AC0168		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891996320	-32.001303862
AC0169		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892191620	-32.001156076



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AC0170		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892471766	-32.001144969
AC0171		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892436594	-32.001199271
AC0172		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891750614	-32.001062630
AC0173	136	Pinus pinaster (Maritime Pine)	Mature	23	15	40 + years	Acceptable	Acceptable	0.910	1.001	No		10.92	3.311	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Root/infrastructure conflict - minor; Torsional split resulting in partially failed branch suspended in canopy	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.891779809	-32.001085037
AC0174	189	Agonis flexuosa (Weeping Peppermint Tree)	Mature	5	11	40 + years	Acceptable	Acceptable	0.590	1.520	Yes - Not recommended		7.08	3.946	Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (150mm to 300mm);Root/infrastructure conflict - major;Canopy/infrastructure conflict - minor;Prior pruning - poor;Previously lopped; Possible borer holes noted in main stem; Apical stem dead	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891841785	-32.001085076
AC0175		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891927017	-32.001094717
AC0176		Liquidambar styraciflua (Liquidamber)	Juvenile	3	4	40 + years	Acceptable	Acceptable	0.100	0.110	Yes - Not recommended		2.00	1.310	Bifurcates between 1m and 2m;Prior pruning - poor;Deciduous	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891985020	-32.001084844
AC0177		Agonis flexuosa (Weeping Peppermint Tree)	Semi-Mature	5	6	40 + years	Acceptable	Acceptable	0.150	0.165	Yes - Not recommended		2.00	1.553	Bark included branch/stem unions;Canopy slightly sparse;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (50mm to 150mm);Tree on lean - minor;Root/infrastructure conflict - major;Canopy/infrastructure conflict - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892144762	-32.001015039
AC0178	168	Agonis flexuosa (Weeping Peppermint Tree)	Mature	10	14	10 - 40 years	Acceptable	Acceptable	0.940	1.240	Yes - Not recommended		11.28	3.622	Multi stemmed form;Bark included branch/stem unions;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (150mm to 300mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Prior pruning - poor; Possible borer holes noted in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892194127	-32.001072426
AC0179		Eucalyptus gomphocephala (Tuart)	Semi-Mature	8	6	40 + years	Acceptable	Acceptable	0.250	0.275	No		3.00	1.924	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892154789	-32.001104976
AC0180		Eucalyptus gomphocephala (Tuart)	Semi-Mature	7	4	40 + years	Acceptable	Acceptable	0.170	0.187	No		2.04	1.637	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Rubbing, crossing stems - major (< 50mm);Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892282213	-32.001107136
AC0181		Eucalyptus gomphocephala (Tuart)	Mature	12	8	40 + years	Acceptable	Acceptable	0.320	0.352	No		3.84	2.134	Reasonable specimen;Bark included branch/stem unions;Bifurcates at 4m+	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892674201	-32.001081990
AC0182		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892631932	-32.001102662



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AC0183		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892691324	-32.001124413
AC0184		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892708936	-32.001229551
AC0185		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892854537	-32.000844576
AC0186	152	Agonis flexuosa (Weeping Peppermint Tree)	Mature	10	10	40 + years	Acceptable	Acceptable	0.640	0.704	Yes - Not recommended		7.68	2.856	Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between 1m and 2m;Rubbing, crossing stems - minor;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892333660	-32.000999227
AC0187	149	Agonis flexuosa (Weeping Peppermint Tree)	Mature	10	12	40 + years	Good	Acceptable	0.530	0.960	Yes	12 Months	6.36	3.253	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Habitat Value - native fauna observed;Surface roots;Surface root damage - minor; 2x nests noted in canopy; Service pit adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892387036	-32.000951713
AC0188	176	Agonis flexuosa (Weeping Peppermint Tree)	Mature	8	11	40 + years	Acceptable	Acceptable	0.510	0.970	Yes - Not recommended		6.12	3.267	Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between 1m and 2m;Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892372227	-32.000926414
AC0189	109	Eucalyptus lehmannii (Bushy Yate)	Mature	7	10	40 + years	Acceptable	Acceptable	0.270	0.297	No		3.24	1.987	Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Wounding noted to main stem;Previous failures - major (150mm to 300mm);Termite activity - mud; Avian damage noted to main stem	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.892227526	-32.000932584
AC0190	154	Agonis flexuosa (Weeping Peppermint Tree)	Mature	9	16	40 + years	Acceptable	Acceptable	0.860	1.450	Yes - Not recommended		10.32	3.868	Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to main stem;Fungal fruiting bodies - main stem; Possible borer holes noted in main stem; Schinus terebinthifolius seedling noted in union in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892461497	-32.000750902
AC0191	101	Agonis flexuosa (Weeping Peppermint Tree)	Mature	9	11	40 + years	Acceptable	Acceptable	0.610	1.130	Yes - Not recommended		7.32	3.484	Bark included branch/stem unions;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Wounding noted to main stem;Wounding noted at basal area;Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor; Possible borer holes noted in main stem	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.892423597	-32.000684371
AC0192		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892236319	-32.000863628
AC0193	158	Eucalyptus lehmannii (Bushy Yate)	Mature	7	10	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Habitat Value - hollows present;Surface roots;Surface root damage - minor;Beehive - main stem; Active Beehive in main stem between ground level and 1m	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.892248506	-32.000721241
AC0194	120	Agonis flexuosa (Weeping Peppermint Tree)	Mature	9	16	40 + years	Good	Acceptable	0.760	1.360	Yes - Not recommended		9.12	3.766	Good Specimen;Bark included branch/stem unions;Canopy suppression - minor;Deadwood - major (< 50mm);Wounding noted to canopy;Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor; Possible borer holes noted in main stem; Avian damage noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892465866	-32.000471177
AC0195	114	Agonis flexuosa (Weeping Peppermint Tree)	Mature	7	16	40 + years	Good	Acceptable	0.880	0.968	Yes - Not recommended		10.56	3.264	Bark included branch/stem unions;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor; Possible borer holes noted in main stem; Avian damage noted to main canopy; Pavers embedded in main union	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892402463	-32.000309969



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0196	125	<i>Eucalyptus lehmannii</i> (Bushy Yate)	Mature	8	16	40 + years	Acceptable	Acceptable	0.500	0.550	No		6.00	2.575	Reasonable specimen;Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor;Wounding noted to main stem;Habitat Value - hollows present;Significant tree with issues - retain; Expanding foam noted in hollows/fissures in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892265349	-32.000323573
AC0197	135	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	10	17	40 + years	Good	Acceptable	0.830	1.090	Yes	12 Months	9.96	3.431	Good Specimen;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Previous failures - minor;Surface roots;Surface root damage - minor; Girdling root noted; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892363780	-32.000077916
AC0198	119	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	10	17	40 + years	Acceptable	Acceptable	1.010	1.590	Yes - Not recommended		12.12	4.021	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor; Barbed wire embedded in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892394826	-31.999959247
AC0199	369	<i>Agonis flexuosa</i> (Weeping Peppermint Tree)	Mature	9	17	40 + years	Good	Acceptable	0.950	1.460	Yes - Not recommended		11.40	3.879	Good Specimen;Bark included branch/stem unions;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - major (300mm+);Wounding noted to canopy;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892393129	-31.999782304
AC0200	371	<i>Eucalyptus lehmannii</i> (Bushy Yate)	Mature	10	18	40 + years	Good	Acceptable	0.620	1.160	No		7.44	3.522	Good Specimen;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (150mm to 300mm);Habitat Value - hollows present;Significant tree with issues - retain;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892216804	-31.999667685
AC0201		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892291314	-31.999662286
AC0202	124	<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	21	40 + years	Acceptable	Acceptable	0.830	0.913	No		9.96	3.185	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Habitat Value - hollows present;Habitat Value - native fauna observed;Surface roots;Surface root damage - minor;Beehive - main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892196557	-32.000107689
AC0203	370	<i>Pinus pinaster</i> (Maritime Pine)	Mature	22	17	40 + years	Acceptable	Acceptable	0.780	0.858	No		9.36	3.103	Canopy suppression - minor;Bifurcates at 4m+;Wounding noted to main stem;Previous failures - major (150mm to 300mm);Surface roots;Surface root damage - major; Girdling root noted; Possible partially failed branch suspended in canopy	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.892241140	-31.999722180
AC0204		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892294053	-31.999741463
AC0205	181	<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	13	40 + years	Acceptable	Acceptable	0.670	0.737	No		8.04	2.911	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (150mm to 300mm);Wounding noted to main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892235894	-31.999991527
AC0206	112	<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	18	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - minor;Habitat Value - native fauna observed; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892399879	-31.999920411
AC0207	368	<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	14	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Canopy suppression - minor;Bifurcates at 4m+;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892297446	-31.999841735
AC0208	111	<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	16	40 + years	Acceptable	Acceptable	0.690	0.759	No		8.28	2.947	Canopy suppression - major;Deadwood - major (50mm to 150mm); Nest noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892296444	-32.000006259



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0209	148	Pinus pinaster (Maritime Pine)	Mature	24	14	40 + years	Acceptable	Acceptable	0.550	0.605	No		6.60	2.680	Canopy suppression - minor;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892383681	-32.000005411
AC0210		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892241757	-32.000073750
AC0211	123	Pinus pinaster (Maritime Pine)	Mature	26	15	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Canopy suppression - minor;Bifurcates at 4m+;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892261811	-32.000086400
AC0212		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892316267	-32.000111854
AC0213	157	Pinus pinaster (Maritime Pine)	Mature	23	11	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892375302	-32.000172817
AC0214		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892346763	-32.000141039
AC0215	118	Pinus pinaster (Maritime Pine)	Mature	23	10	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Canopy suppression - major;Bifurcates at 4m+;Wounding noted to canopy; Burl noted 1-2m up main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892386177	-32.000217323
AC0216	115	Pinus pinaster (Maritime Pine)	Mature	25	14	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - minor;Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892468400	-32.000297541
AC0217	128	Pinus pinaster (Maritime Pine)	Mature	22	10	10 - 40 years	Acceptable	Acceptable	0.460	0.506	No		5.52	2.486	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892351313	-32.000293684
AC0218		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892237813	-32.000303287
AC0219	126	Pinus pinaster (Maritime Pine)	Mature	22	11	40 + years	Acceptable	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892237697	-32.000314139
AC0220	127	Pinus pinaster (Maritime Pine)	Mature	22	15	40 + years	Acceptable	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor;Wounding noted to canopy;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892307965	-32.000335196
AC0221	105	Pinus pinaster (Maritime Pine)	Mature	22	16	40 + years	Acceptable	Acceptable	0.560	0.616	No		6.72	2.700	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892296704	-32.000236775



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0222		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892241091	-32.000227597
AC0223		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892267625	-32.000264003
AC0224		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892247570	-32.000140591
AC0225	122	Pinus pinaster (Maritime Pine)	Mature	22	15	40 + years	Acceptable	Acceptable	0.650	0.715	No		7.80	2.874	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - minor;Wounding noted at basal area;Wounding noted to canopy;Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892362767	-32.000499142
AC0226	121	Pinus pinaster (Maritime Pine)	Mature	22	10	40 + years	Acceptable	Acceptable	0.500	0.550	No		6.00	2.575	Canopy suppression - major;Canopy slightly sparse;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892462268	-32.000504849
AC0227	141	Pinus pinaster (Maritime Pine)	Mature	22	14	40 + years	Acceptable	Acceptable	0.720	0.792	No		8.64	3.001	Canopy suppression - major;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892246992	-32.000502150
AC0228	137	Pinus pinaster (Maritime Pine)	Mature	22	14	40 + years	Acceptable	Acceptable	0.520	0.572	No		6.24	2.617	Canopy suppression - major;Deadwood - major (< 50mm);Wounding noted to main stem;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892315871	-32.000416456
AC0229	180	Pinus pinaster (Maritime Pine)	Mature	21	14	40 + years	Acceptable	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892239201	-32.000391927
AC0230		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892417994	-32.000420312
AC0231	138	Pinus pinaster (Maritime Pine)	Mature	21	16	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Canopy suppression - major;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892239587	-32.000579282
AC0232		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892217990	-32.000535779
AC0233		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892224463	-32.000602268
AC0234		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892237736	-32.000678320



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0235		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892266738	-32.000629881
AC0236	139	Pinus pinaster (Maritime Pine)	Mature	22	17	40 + years	Acceptable	Acceptable	0.660	0.726	No		7.92	2.893	Canopy suppression - major;Canopy slightly sparse;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed;Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892303607	-32.000579436
AC0237	148	Pinus pinaster (Maritime Pine)	Mature	22	18	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Canopy suppression - major;Canopy slightly sparse;Deadwood - major (< 50mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - major;Avian damage noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892409356	-32.000573189
AC0238	104	Pinus pinaster (Maritime Pine)	Mature	21	20	10 - 40 years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - minor;Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892486719	-32.000610752
AC0239	110	Pinus pinaster (Maritime Pine)	Mature	22	12	40 + years	Acceptable	Acceptable	0.620	0.682	No		7.44	2.818	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892492659	-32.000724677
AC0240	153	Pinus pinaster (Maritime Pine)	Mature	23	14	40 + years	Acceptable	Acceptable	0.550	0.605	No		6.60	2.680	Canopy suppression - major;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - major; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892461343	-32.000835285
AC0241	108	Pinus pinaster (Maritime Pine)	Mature	22	15	40 + years	Acceptable	Acceptable	0.650	0.715	No		7.80	2.874	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892424898	-32.000884071
AC0242	113	Pinus pinaster (Maritime Pine)	Mature	22	18	40 + years	Acceptable	Acceptable	0.720	0.792	No		8.64	3.001	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892306345	-32.000920632
AC0243	155	Pinus pinaster (Maritime Pine)	Mature	24	13	40 + years	Acceptable	Acceptable	0.680	0.748	No		8.16	2.929	Canopy suppression - major;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892240397	-32.000801154
AC0244	103	Pinus pinaster (Maritime Pine)	Mature	23	12	10 - 40 years	Acceptable	Acceptable	0.530	0.583	No		6.36	2.638	Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892311976	-32.000729575
AC0245		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892371831	-32.000790664
AC0246		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892416567	-32.000726490
AC0247	144	Pinus pinaster (Maritime Pine)	Mature	24	11	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892303414	-32.000816812



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0248	145	<i>Pinus pinaster</i> (Maritime Pine)	Mature	24	10	10 - 40 years	Acceptable	Acceptable	0.500	0.550	No		6.00	2.575	Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (< 50mm);Wounding noted to main stem;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892357098	-32.000831004
AC0249	175	<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	17	40 + years	Acceptable	Acceptable	0.700	0.770	No		8.40	2.965	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - major; Possible partially failed branch suspended in canopy; Nest noted in canopy (raptor)	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.892394816	-32.000884303
AC0250	150	<i>Pinus pinaster</i> (Maritime Pine)	Mature	24	16	40 + years	Acceptable	Acceptable	0.750	0.825	No		9.00	3.053	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892278269	-32.000878518
AC0251	582	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	6	9	40 + years	Acceptable	Acceptable	0.290	0.319	Yes	6 Months	3.48	2.048	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892616000	-31.999208000
AC0252	391	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	8	9	40 + years	Acceptable	Acceptable	0.330	0.363	Yes	6 Months	3.96	2.162	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892628000	-31.999270000
AC0253	581	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	9	9	40 + years	Acceptable	Acceptable	0.480	0.528	Yes	6 Months	5.76	2.531	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892582000	-31.999333000
AC0254	390	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	8	9	40 + years	Acceptable	Acceptable	0.330	0.363	Yes	6 Months	3.96	2.162	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892550000	-31.999406000
AC0255	389	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	8	9	40 + years	Acceptable	Acceptable	0.380	0.418	Yes	6 Months	4.56	2.294	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892536000	-31.999457000
AC0256	388	<i>Jacaranda mimosifolia</i> (Jacaranda)	Mature	7	9	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	6 Months	3.24	1.987	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892517000	-31.999525000
AC0257	580	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	7	40 + years	Acceptable	Acceptable	0.490	0.539	Yes	12 Months	5.88	2.553	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892478776	-31.999451522
AC0258	570	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	11	7	40 + years	Acceptable	Acceptable	0.510	0.561	Yes	12 Months	6.12	2.596	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892512521	-31.999261895
AC0259	572	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	11	7	40 + years	Acceptable	Acceptable	0.660	0.726	Yes	12 Months	7.92	2.893	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892493000	-31.999230000
AC0260	571	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	7	40 + years	Acceptable	Acceptable	0.480	0.528	Yes	12 Months	5.76	2.531	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892528000	-31.999248000



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0261	574	Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	11	5	40 + years	Acceptable	Acceptable	0.310	0.341	Yes	12 Months	3.72	2.106	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892484000	-31.999273000
AC0262	573	Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	12	7	40 + years	Acceptable	Acceptable	0.470	0.517	Yes	12 Months	5.64	2.508	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892525000	-31.999294000
AC0263	568	Corymbia calophylla (Marri)	Mature	15	19	40 + years	Acceptable	Acceptable	0.860	0.946	No		10.32	3.233	Bark included branch/stem unions;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (150mm to 300mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (150mm to 300mm);Surface roots;Surface root damage - minor; Possible minor canker note in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892568364	-31.999126761
AC0264		Eucalyptus rudis (Flooded Gum)	Mature	15	28	40 + years	Acceptable	Acceptable	1.020	1.122	No		12.24	3.473	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892638399	-31.999059502
AC0265		Corymbia calophylla (Marri)	Mature	10	16	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892689923	-31.999069067
AC0266		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891973451	-31.999664288
AC0267		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.891850812	-31.999669225
AC0268		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.891850812	-31.999669225
AC0269		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891577382	-31.999668685
AC0270	372	Corymbia calophylla (Marri)	Mature	13	11	40 + years	Acceptable	Good	0.540	0.930	Yes - Not recommended		6.48	3.210	Reasonable specimen;Bark included branch/stem unions;Canopy suppression - minor;Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm);Surface roots	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.892042560	-31.999662283
AC0271	373	Corymbia calophylla (Marri)	Semi-Mature	8	5	40 + years	Acceptable	Acceptable	0.280	0.530	Yes	12 Months	3.36	2.535	Canopy suppression - major;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.892009355	-31.999664173
AC0272	374	Corymbia calophylla (Marri)	Mature	12	11	40 + years	Acceptable	Acceptable	0.500	0.860	Yes - Not recommended		6.00	3.106	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (150mm to 300mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - minor; Possible minor canker noted in canopy; 1x co-dominant stem dead	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891924974	-31.999678288
AC0273	375	Corymbia calophylla (Marri)	Mature	12	15	40 + years	Acceptable	Acceptable	0.570	0.860	Yes - Not recommended		6.84	3.106	Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (300mm+)	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891790881	-31.999673930



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AC0274	376	Corymbia calophylla (Marri)	Semi-Mature	8	4	40 + years	Acceptable	Acceptable	0.190	0.209	Yes	12 Months	2.28	1.715	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891753627	-31.999664597
AC0275	377	Corymbia calophylla (Marri)	Mature	11	10	40 + years	Acceptable	Acceptable	0.440	0.900	Yes - Not recommended		5.28	3.166	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891704000	-31.999656000
AC0276	378	Corymbia calophylla (Marri)	Mature	11	10	40 + years	Acceptable	Acceptable	0.320	0.352	Yes	12 Months	3.84	2.134	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891663692	-31.999673236
AC0277	379	Corymbia calophylla (Marri)	Mature	11	10	40 + years	Acceptable	Acceptable	0.390	0.429	Yes	12 Months	4.68	2.319	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Previous failures - minor;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891628000	-31.999659000
AC0278	381	Corymbia calophylla (Marri)	Mature	5	8	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	12 Months	3.24	1.987	Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm); Possible canker noted in main stem; Apical stem missing; Weight loading to canopy; Assymetrical canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891537274	-31.999665137
AC0279	382	Corymbia calophylla (Marri)	Mature	5	6	5 - 10 years	Poor	Acceptable	0.210	0.231	Yes - Not recommended		2.52	1.788	Canopy suppression - major;Canopy indicates decline;Canopy sparse;Deadwood - major (< 50mm);Previous failures - minor	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891500752	-31.999667412
AC0280	383	Corymbia calophylla (Marri)	Mature	15	10	40 + years	Acceptable	Acceptable	0.420	0.462	Yes - Not recommended		5.04	2.393	Canopy suppression - major;Canopy slightly sparse;Bifurcates between 2m and 4m;Deadwood - major (< 50mm);Wounding noted to canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891464847	-31.999662360
AC0281	384	Corymbia calophylla (Marri)	Mature	12	10	40 + years	Acceptable	Acceptable	0.430	0.473	Yes - Not recommended		5.16	2.417	Canopy suppression - minor;Canopy chlorotic (yellowing);Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Possible minor canker noted in canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.891425819	-31.999665600
AC0282	872	Gleditsia triacanthos (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890803139	-31.999876476
AC0283	871	Gleditsia triacanthos (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.130	0.143	Yes	3 Months	2.00	1.462	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890805144	-31.999916430
AC0284	870	Gleditsia triacanthos (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890805453	-31.999956539
AC0285	869	Gleditsia triacanthos (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890806494	-31.999992289
AC0286	868	Gleditsia triacanthos (Honey Locust)	Mature	5	5	40 + years	Acceptable	Acceptable	0.200	0.220	Yes	3 Months	2.40	1.752	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890802406	-32.000037565



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AC0287	867	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	5	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890805260	-32.000074202
AC0288	866	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	5	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890804334	-32.000109374
AC0289	865	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	4	6	40 + years	Acceptable	Acceptable	0.100	0.110	Yes	3 Months	2.00	1.310	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890800323	-32.000152876
AC0290		<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	4	5	40 + years	Acceptable	Acceptable	0.100	0.110	Yes	3 Months	2.00	1.310	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890799398	-32.000185580
AC0291		<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890799243	-32.000228002
AC0292	861	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.150	0.165	Yes	3 Months	2.00	1.553	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890804488	-32.000263791
AC0293	860	<i>Gleditsia triacanthos</i> (Honey Locust)	Mature	6	5	40 + years	Acceptable	Acceptable	0.180	0.198	Yes	3 Months	2.16	1.676	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Habitat Value - native fauna observed;Deciduous; Located in raised planter with hedge at base	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890794307	-32.000309144
AC0294	813	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.750	0.825	No		9.00	3.053	Bifurcates at 4m+;Deadwood - major (300mm+);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (300mm+);Habitat Value - native fauna observed; Previous failure resulting significant wound to canopy; Nest noted in canopy	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890051996	-32.000463407
AC0295	812	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	10	40 + years	Acceptable	Acceptable	0.550	0.605	No		6.60	2.680	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889984738	-32.000437491
AC0296	811	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.530	0.583	No		6.36	2.638	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889960518	-32.000413271
AC0297	810	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889845284	-32.000447055
AC0298	809	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.680	0.748	No		8.16	2.929	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889784813	-32.000455694
AC0299	808	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.560	0.616	No		6.72	2.700	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889723417	-32.000414351



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0300	806	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.610	0.671	No		7.32	2.799	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889607874	-32.000429932
AC0301	807	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.650	0.715	No		7.80	2.874	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed; Nest noted in canopy	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889599853	-32.000468806
AC0302	805	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889542776	-32.000416048
AC0303	804	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.570	0.627	No		6.84	2.720	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889508838	-32.000466955
AC0304	803	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	40 + years	Acceptable	Acceptable	0.480	0.528	No		5.76	2.531	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889488167	-32.000370386
AC0305	802	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	15	40 + years	Acceptable	Acceptable	0.610	0.671	No		7.32	2.799	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Tree has been removed since initial surveying	115.889388513	-32.000457390
AC0306	801	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	12	<5 years	Poor	Acceptable	0.610	0.671	No		7.32	2.799	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed February 2024 - Tree has entered a rapid shut down over the 2023/2024 summer period and is now in Poor heath;Focus may be better shifting elsewhere	Retain; Develop and implement tree retention specifications	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889364140	-32.000416665
AC0307	819	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	5	4	40 + years	Good	Acceptable	0.200	0.220	Yes	6 Months	2.40	1.752	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889353650	-32.000763756
AC0308	820	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	5	3	40 + years	Good	Acceptable	0.120	0.132	Yes	6 Months	2.00	1.414	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889348713	-32.000808800
AC0309		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	7	6	40 + years	Good	Acceptable	0.220	0.242	Yes	6 Months	2.64	1.824	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889346245	-32.000853228
AC0310		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	4	4	40 + years	Good	Acceptable	0.200	0.220	Yes - Not recommended		2.40	1.752	Bark included branch/stem unions;Bifurcates between ground level and 1m;Prior pruning - poor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889355501	-32.000947637
AC0311		<i>Eucalyptus gomphocephala</i> (Tuart)	Semi-Mature	8	7	40 + years	Good	Acceptable	0.250	0.275	Yes	6 Months	3.00	1.924	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889424919	-32.000762830
AC0312	823	<i>Eucalyptus gomphocephala</i> (Tuart)	Semi-Mature	7	6	40 + years	Good	Acceptable	0.170	0.187	No		2.04	1.637	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889418131	-32.000917710



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AC0313		<i>Eucalyptus gomphocephala</i> (Tuart)	Semi-Mature	6	5	40 + years	Good	Acceptable	0.230	0.253	No		2.76	1.858	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.889423068	-32.001001011
AC0314	834	<i>Corymbia maculata</i> (Spotted Gum)	Mature	19	14	40 + years	Good	Acceptable	0.460	0.506	No		5.52	2.486	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890971555	-32.000901975
AC0315		<i>Corymbia maculata</i> (Spotted Gum)	Mature	16	14	40 + years	Good	Acceptable	0.430	0.473	No		5.16	2.417	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890981273	-32.000934216
AC0316	832	<i>Corymbia maculata</i> (Spotted Gum)	Mature	20	10	40 + years	Good	Acceptable	0.430	0.473	No		5.16	2.417	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890972326	-32.000973707
AC0317	831	<i>Corymbia maculata</i> (Spotted Gum)	Mature	20	13	40 + years	Good	Acceptable	0.570	0.627	No		6.84	2.720	Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890889641	-32.001013507
AC0318		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890967621	-32.000752726
AC0319		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890971632	-32.000756737
AC0320		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890973637	-32.000770775
AC0321		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890991454	-32.000712078
AC0322		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891001559	-32.000702128
AC0323		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891010197	-32.000706910
AC0324		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891002021	-32.000681611
AC0325		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891024081	-32.000676520



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AC0326		Callistemon salignus (White Flowering Bottlebrush)	Mature	5	5	40 + years	Good	Acceptable	0.200	0.220	Yes	6 Months	2.40	1.752	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Deadwood - minor;Canopy/infrastructure conflict - major;Previously lopped	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891011123	-32.000520252
AC0327		Callistemon salignus (White Flowering Bottlebrush)	Mature	5	5	40 + years	Good	Acceptable	0.180	0.198	Yes	6 Months	2.16	1.676	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Deadwood - minor;Canopy/infrastructure conflict - major;Previously lopped	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891007421	-32.000556658
AC0328		Callistemon salignus (White Flowering Bottlebrush)	Juvenile	3	4	40 + years	Acceptable	Acceptable	0.060	0.066	Yes	3 Months	2.00	1.057	Leggy form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at ground level;Tree on lean - minor;Prior pruning - poor;Previously lopped	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.891011740	-32.000613735
AC0329	116	Pinus pinaster (Maritime Pine)	Mature	22	13	40 + years	Good	Acceptable	0.690	0.759	No		8.28	2.947	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891128208	-32.001105678
AC0330		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891347415	-32.001128664
AC0331		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891352969	-32.001130823
AC0332	130	Callistemon viminalis (Bottlebrush)	Mature	6	7	40 + years	Good	Acceptable	0.260	0.286	No		3.12	1.956	Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Wounding noted to main stem;Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed;Prior pruning - poor; Fledglings noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891717028	-32.001069735
AC0333	131	Callistemon viminalis (Bottlebrush)	Mature	6	7	40 + years	Good	Acceptable	0.200	0.220	No		2.40	1.752	Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Wounding noted to main stem;Habitat Value - native fauna observed;Prior pruning - poor; Fledglings noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891700368	-32.001059245
AC0334		Liquidambar styraciflua (Liquidamber)	Juvenile	2	4	40 + years	Acceptable	Acceptable	0.150	0.165	Yes - Not recommended		2.00	1.553	Bifurcates between 1m and 2m;Prior pruning - poor;Deciduous	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892015680	-32.001081459
AC0335		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892503150	-32.001214125
AC0336		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892520118	-32.001202401
AC0337		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892587068	-32.001198082
AC0338		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892612059	-32.001214125



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AC0339		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892642911	-32.001207646
AC0340		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892664817	-32.001232328
AC0341		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892751204	-32.001186666
AC0342		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892776503	-32.001218136
AC0343		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892875231	-32.001213508
AC0344		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892879550	-32.001165070
AC0345		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892879859	-32.001138845
AC0346		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892898370	-32.001155505
AC0347		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892940021	-32.001189752
AC0348		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892913796	-32.001226466
AC0349		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892969331	-32.001197465
AC0350		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892248154	-31.999957040
AC0351		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892245069	-31.999920634



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AC0352		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892241983	-31.999852450
AC0353		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892262037	-31.999827768
AC0354		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892233036	-31.999810799
AC0355		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892254016	-31.999795682
AC0356		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892384213	-31.999846280
AC0357		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892445918	-31.999780872
AC0358		Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	12	7	40 + years	Acceptable	Acceptable	0.420	0.462	Yes	12 Months	5.04	2.393	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892436200	-31.999432085
AC0359		Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	10	7	40 + years	Acceptable	Acceptable	0.480	0.528	Yes	12 Months	5.76	2.531	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892442987	-31.999478981
AC0360	576	Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	11	7	40 + years	Acceptable	Acceptable	0.370	0.407	Yes	12 Months	4.44	2.269	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major; Nest with fledglings noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892402262	-31.999463554
AC0361	578	Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	9	7	40 + years	Acceptable	Acceptable	0.330	0.363	Yes	6 Months	3.96	2.162	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892414603	-31.999513227
AC0362	577	Melaleuca quinquenervia (Broad Leaved Paperbark)	Mature	9	7	40 + years	Acceptable	Acceptable	0.430	0.473	Yes	6 Months	5.16	2.417	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor;Habitat Value - native fauna observed;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892371409	-31.999507673
AC0363	464	Pinus pinaster (Maritime Pine)	Mature	21	14	40 + years	Acceptable	Acceptable	0.700	0.770	No		8.40	2.965	Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890368448	-31.998373588
AC0364	465	Pinus pinaster (Maritime Pine)	Mature	22	14	40 + years	Good	Acceptable	0.680	0.748	No		8.16	2.929	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - minor; Metal bolt noted in main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890464709	-31.998381610



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0365		<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	19	17	40 + years	Acceptable	Acceptable	0.910	1.001	No		10.92	3.311	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890507287	-31.998271156
AC0366	467	<i>Pinus pinaster</i> (Maritime Pine)	Mature	21	12	40 + years	Acceptable	Acceptable	0.580	0.638	No		6.96	2.740	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890531352	-31.998368035
AC0367	468	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	22	19	40 + years	Acceptable	Acceptable	0.840	0.924	No		10.08	3.201	Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890642423	-31.998414931
AC0368	469	<i>Pinus pinaster</i> (Maritime Pine)	Mature	22	12	40 + years	Acceptable	Acceptable	0.680	0.748	No		8.16	2.929	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890647977	-31.998305094
AC0369	470	<i>Pinus pinaster</i> (Maritime Pine)	Mature	24	13	40 + years	Good	Acceptable	0.770	0.847	No		9.24	3.086	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm); Old conduit pipe with severed electrical wire encapsulated in main stem ~2m	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890744856	-31.998346438
AC0370	471	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	21	17	40 + years	Acceptable	Acceptable	0.810	1.270	No		9.72	3.659	Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - major (50mm to 150mm);Previous failures - major (150mm to 300mm);Habitat Value - native fauna observed;Surface roots;Surface root damage - minor; Possible hybrid with <i>Eucalyptus camaldulensis</i>	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890723259	-31.998426039
AC0371	472	<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	13	40 + years	Acceptable	Acceptable	0.670	0.737	No		8.04	2.911	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (< 50mm);Surface roots;Surface root damage - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890857161	-31.998417400
AC0372	473	<i>Pinus pinaster</i> (Maritime Pine)	Mature	19	11	40 + years	Good	Acceptable	0.610	0.671	No		7.32	2.799	Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor; Nest noted in canopy; High pressure gas sign adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.890994766	-31.998416783
AC0373		<i>Eucalyptus caesia</i> (Silver Princess)	Mature	9	7	10 - 40 years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Tree on lean - minor;Canopy/infrastructure conflict - minor; Statue adjacent	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890921027	-31.999931979
AC0374		<i>Eucalyptus caesia</i> (Silver Princess)	Mature	8	9	40 + years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Canopy slightly sparse;Deadwood - major (< 50mm);Previous failures - minor;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890910537	-32.000022070
AC0375		<i>Eucalyptus caesia</i> (Silver Princess)	Semi-Mature	4	4	40 + years	Acceptable	Acceptable	0.130	0.143	No		2.00	1.462	Canopy suppression - major;Rubbing, crossing stems - minor;Habitat Value - native fauna observed;Canopy/infrastructure conflict - major	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.890923495	-32.000079457
AC0376		<i>Casuarina cunninghamiana</i> (River She-oak)	Mature	13	7	40 + years	Good	Acceptable	0.350	0.385	Yes	12 Months	4.20	2.216	Bifurcates at 4m+;Deadwood - minor;Wounding noted to canopy;Habitat Value - native fauna observed;Canopy/infrastructure conflict - minor	Retain; Develop and implement tree retention specifications	Marked for Removal (by Others); Consideration should be given to relocation	115.890913005	-32.000119566
AC0377		<i>Eucalyptus caesia</i> ssp. <i>magna</i> (Silver Princess)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	Previously removed tree with some minor epicormic regrowth at this location; No visible stump	N/A	N/A	115.890925346	-31.999856080



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0378		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890927198	-31.999785118
AC0379	385	Eucalyptus utilis (Coastal Moort)	Mature	4	5	10 - 40 years	Questionable	Acceptable	0.270	0.297	No		3.24	1.987	Canopy starting to indicate decline;Canopy chlorotic (yellowing);Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Wounding noted at basal area;Previous failures - major (< 50mm);Surface roots;Surface root damage - minor;Termite activity - mud;Termite activity - active termites ;Prior pruning - poor; Girdling roots noted; Debris and fill noted around base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891301446	-31.999458384
AC0380	387	Eucalyptus utilis (Coastal Moort)	Semi-Mature	3	5	5 - 10 years	Questionable	Acceptable	0.190	0.209	No		2.28	1.715	Canopy indicates decline;Canopy chlorotic (yellowing);Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Prior pruning - poor;Fungal fruiting bodies - main stem; Apical stem previously failed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891440902	-31.999447894
AC0381	386	Casuarina cunninghamiana (River She-oak)	Mature	14	10	40 + years	Acceptable	Acceptable	0.520	0.920	Yes	12 Months	6.24	3.195	Reasonable specimen;Bifurcates at 4m+;Deadwood - major (< 50mm);Surface roots;Surface root damage - minor; Epicormic shoots at base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891271799	-31.999390107
AC0382	497	Eucalyptus rudis (Flooded Gum)	Mature	14	14	40 + years	Good	Acceptable	0.860	1.400	No		10.32	3.812	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (150mm to 300mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - major; Water tank and trough adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891255166	-31.999233156
AC0383	496	Eucalyptus rudis (Flooded Gum)	Mature	16	26	40 + years	Good	Acceptable	0.980	1.850	No		11.76	4.285	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Wounding noted to canopy;Habitat Value - hollows present;Surface roots;Surface root damage - minor; Girdling root noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891231718	-31.999157257
AC0384		Eucalyptus rudis (Flooded Gum)	Mature	19	13	40 + years	Acceptable	Acceptable	0.690	1.200	No		8.28	3.573	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (150mm to 300mm); 1x co-dominant stem previously removed with some epicormic regrowth noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.89118796	-31.999036930
AC0385	491	Corymbia ficifolia (WA Red Flowering Gum)	Semi-Mature	4	4	40 + years	Questionable	Acceptable	0.200	0.220	Yes - Not recommended		2.40	1.752	Bark included branch/stem unions;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor; Tree on lean - minor; Girdling root noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891255783	-31.999094934
AC0386		Eucalyptus rudis (Flooded Gum)	Mature	12	14	40 + years	Good	Acceptable	0.570	0.627	No		6.84	2.720	Canopy suppression - major;Bifurcates between 2m and 4m;Rubbing, crossing stems - major (50mm to 150mm);Tree on lean - major; Weight loading noted to canopy; Assymetrical canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891321500	-31.999095860
AC0387	493	Corymbia ficifolia (WA Red Flowering Gum)	Semi-Mature	5	10	40 + years	Acceptable	Acceptable	0.350	0.385	Yes - Not recommended		4.20	2.216	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Previous failures - minor; Assymetrical canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891361610	-31.999065624
AC0388	495	Melaleuca preissiana (Stout Paper Bark)	Mature	6	8	40 + years	Acceptable	Acceptable	0.420	0.462	Yes - Not recommended		5.04	2.393	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Water drainage outflow pipe adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891357290	-31.999009471
AC0389	494	Melaleuca preissiana (Stout Paper Bark)	Mature	5	8	40 + years	Acceptable	Acceptable	0.330	0.363	Yes - Not recommended		3.96	2.162	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891311473	-31.998963346
AC0390	487	Melaleuca preissiana (Stout Paper Bark)	Mature	6	6	40 + years	Acceptable	Acceptable	0.340	0.374	Yes - Not recommended		4.08	2.190	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891262185	-31.998954475



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0391	488	Corymbia ficifolia (WA Red Flowering Gum)	Mature	6	6	40 + years	Good	Acceptable	0.320	0.790	Yes - Not recommended		3.84	2.997	Reasonable specimen;Canopy suppression - minor;Bifurcates between ground level and 1m;Surface roots;Surface root damage - minor;Tree on lean - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891204181	-31.998963114
AC0392		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location; Partially ground stump	N/A	N/A	115.891238120	-31.998830446
AC0393	489	Corymbia ficifolia (WA Red Flowering Gum)	Mature	6	6	40 + years	Acceptable	Acceptable	0.420	0.462	Yes - Not recommended		5.04	2.393	Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Surface roots;Surface root damage - minor; Possible minor canker noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891223927	-31.998903876
AC0394	490	Eucalyptus victrix (Smooth-barked coolibah)	Mature	9	5	40 + years	Good	Acceptable	0.310	0.341	No		3.72	2.106	Leggy form;Canopy suppression - minor;Deadwood - minor;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891208964	-31.998857134
AC0395	481	Casuarina equisetifolia (Horsetail She-oak)	Semi-Mature	11	6	40 + years	Acceptable	Acceptable	0.260	0.286	Yes - Not recommended		3.12	1.956	Leggy form;Canopy suppression - major;Canopy slightly sparse;Wounding noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891274527	-31.998819339
AC0396	480	Casuarina equisetifolia (Horsetail She-oak)	Mature	14	11	<5 years	Poor	Acceptable	0.310	0.341	Yes - Not recommended		3.72	2.106	Leggy form;Canopy suppression - minor;Canopy indicates decline;Canopy sparse; Remaining foliage mostly dead	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.891289645	-31.998807306
AC0397		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891241822	-31.998726471
AC0398	875	Pinus pinaster (Maritime Pine)	Mature	22	17	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.983	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Canopy/infrastructure conflict - minor; Metal posts sunk in ground close to base; ID tag 875, 876 & 877 found on ground, unable to determine which tag belongs to which tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891070000	-31.998574000
AC0399	876	Pinus pinaster (Maritime Pine)	Mature	22	17	40 + years	Acceptable	Acceptable	0.800	0.880	No		9.60	3.136	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Canopy/infrastructure conflict - minor; Metal posts sunk in ground close to base; ID tag 875, 876 & 877 found on ground, unable to determine which tag belongs to which tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891142000	-31.998642000
AC0400	877	Pinus pinaster (Maritime Pine)	Mature	22	17	40 + years	Acceptable	Acceptable	0.720	0.792	No		8.64	3.001	Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Canopy/infrastructure conflict - minor; Metal posts sunk in ground close to base; ID tag 875, 876 & 877 found on ground, unable to determine which tag belongs to which tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891132000	-31.998718000
AC0401		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890759280	-32.001189166
AC0402		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.890833327	-32.001247170
AC0403	474	Corymbia ficifolia (WA Red Flowering Gum)	Mature	6	7	10 - 40 years	Acceptable	Acceptable	0.370	0.407	No		4.44	2.269	Deadwood - major (150mm to 300mm);Wounding noted to main stem;Wounding noted at basal area;Surface roots;Surface root damage - major;Tree on lean - major; Possible minor canker noted in canopy; Weight loading noted to canopy; Assymetrical canopy; Abnormal taper to main stem noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891232615	-31.998563709



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0404	475	Corymbia calophylla (Marri)	Mature	15	19	40 + years	Acceptable	Acceptable	0.900	1.190	No		10.80	3.560	Reasonable specimen;Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Significant tree with issues - retain	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891441180	-31.998640224
AC0405		Casuarina equisetifolia (Horse-tail She-oak)	Juvenile	7	4	0 (Dead)	Dead	Questionable	0.140	0.154	Yes - Not recommended		2.00	1.508	Dead Tree	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	115.891330418	-31.998765794
AC0406	479	Eucalyptus vitrix (Smooth-barked coolibah)	Mature	9	11	40 + years	Acceptable	Acceptable	0.530	0.583	No		6.36	2.638	Bark included branch/stem unions;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891417423	-31.998763943
AC0407	476	Eucalyptus rudis (Flooded Gum)	Mature	10	24	40 + years	Acceptable	Acceptable	0.960	1.056	No		11.52	3.386	Canopy suppression - major;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891514918	-31.998719515
AC0408		Banksia menziesii (Firewood Banksia)	Mature	2	5	10 - 40 years	Acceptable	Questionable	0.200	0.220	No		2.40	1.752	Canopy suppression - major;Deadwood - major (< 50mm);Wounding noted to main stem;Previous failures - major (150mm to 300mm); Main stem previously failed at ~0.5m; Electrical service pit adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891555643	-31.998665214
AC0409		Eucalyptus rudis (Flooded Gum)	Mature	8	9	40 + years	Acceptable	Acceptable	0.320	0.352	No		3.84	2.134	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Tree on lean - major; High pressure gas sign adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891703120	-31.998636830
AC0410	565	Eucalyptus rudis (Flooded Gum)	Mature	12	14	40 + years	Good	Acceptable	0.960	1.056	No		11.52	3.386	Reasonable specimen;Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - minor; Possible hybrid with Eucalyptus camaldulensis	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891780869	-31.998634979
AC0411		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891918472	-31.998675087
AC0412		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location; Evidence of previously removed tree at this location	N/A	N/A	115.892044352	-31.998766412
AC0413		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892125803	-31.998860204
AC0414	552	Eucalyptus vitrix (Smooth-barked coolibah)	Mature	9	8	40 + years	Good	Acceptable	0.500	0.550	No		6.00	2.575	Reasonable specimen;Bark included branch/stem unions;Canopy suppression - major;Bifurcates at 4m+;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892120095	-31.998810685
AC0415		Eucalyptus vitrix (Smooth-barked coolibah)	Semi-Mature	12	7	40 + years	Acceptable	Acceptable	0.250	0.275	No		3.00	1.924	Leggy form;Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor;Rubbing, crossing stems - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892153416	-31.998842464
AC0416	550	Eucalyptus rudis (Flooded Gum)	Mature	10	17	40 + years	Acceptable	Acceptable	0.770	0.847	No		9.24	3.086	Bark included branch/stem unions;Canopy suppression - minor;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892187354	-31.998885040



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0417	549	<i>Eucalyptus erythrocorys</i> (Red Cap Gum)	Mature	5	12	40 + years	Good	Acceptable	0.290	0.319	No		3.48	2.048	Multi stemmed form;Bark included branch/stem unions;Bifurcates at ground level;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892174396	-31.998925766
AC0418		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892255230	-31.998893679
AC0419	546	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	6	7	40 + years	Acceptable	Acceptable	0.490	0.539	Yes - Not recommended		5.88	2.553	Multi stemmed form;Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (< 50mm);Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892329277	-31.998952917
AC0420	547	<i>Eucalyptus erythrocorys</i> (Red Cap Gum)	Mature	7	11	40 + years	Acceptable	Acceptable	0.380	0.418	No		4.56	2.294	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm); Avian damage noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892273742	-31.998972662
AC0421		<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	12	7	40 + years	Acceptable	Acceptable	0.460	0.506	No		5.52	2.486	Leggy form;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892265103	-31.998928851
AC0422	548	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	9	13	40 + years	Acceptable	Acceptable	0.610	0.671	Yes - Not recommended		7.32	2.799	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (300mm+);Previous failures - major (50mm to 150mm); Aerial roots noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892184886	-31.999029431
AC0423		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location; Evidence of previously removed tree at this location	N/A	N/A	115.891841957	-31.998760549
AC0424		<i>Banksia menziesii</i> (Firewood Banksia)	Mature	1	4	5 - 10 years	Poor	Questionable	0.200	0.220	No		2.40	1.752	Canopy indicates decline;Canopy sparse;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm); Main stem previously failed at ~0.5m	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891783337	-31.998701004
AC0425		<i>Banksia menziesii</i> (Firewood Banksia)	Mature	2	4	0 (Dead)	Dead	Questionable	0.200	0.220	Yes - Not recommended		2.40	1.752	Dead Tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891721014	-31.998683726
AC0426		<i>Banksia menziesii</i> (Firewood Banksia)	Mature	2	4	5 - 10 years	Questionable	Questionable	0.200	0.220	No		2.40	1.752	Canopy suppression - minor;Canopy indicates decline;Canopy slightly sparse;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891664862	-31.998679407
AC0427		<i>Corymbia calophylla</i> (Marri)	Juvenile	6	5	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Leggy form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891704200	-31.998679561
AC0428	477	<i>Corymbia calophylla</i> (Marri)	Mature	13	14	40 + years	Acceptable	Acceptable	0.760	0.836	No		9.12	3.070	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Rubbing, crossing stems - minor;Wounding noted to main stem;Previous failures - minor; Possible minor canker noted to main stem; 2x nests noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891651904	-31.998723526
AC0429		<i>Eucalyptus wandoo</i> (Wandoo)	Juvenile	4	5	40 + years	Acceptable	Acceptable	0.100	0.110	No		2.00	1.310	Leggy form;Canopy slightly sparse;Deadwood - minor;Tree on lean - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891564899	-31.998780295



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0430	478	<i>Eucalyptus rudis</i> (Flooded Gum)	Juvenile	10	4	40 + years	Acceptable	Acceptable	0.160	0.176	No		2.00	1.595	Leggy form;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891624831	-31.998827731
AC0431		<i>Callistemon viminalis</i> (Bottlebrush)	Mature	5	10	40 + years	Acceptable	Acceptable	0.270	0.297	No		3.24	1.987	Multi stemmed form;Bark included branch/stem unions;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891616963	-31.998856270
AC0432		<i>Unknown (see comments)</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891467636	-31.998822641
AC0433		<i>Unknown (see comments)</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891491701	-31.998781298
AC0434		<i>Unknown (see comments)</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891394515	-31.998844546
AC0435	484	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	12	10	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Leggy form;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891309000	-31.998883000
AC0436	485	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	12	7	40 + years	Acceptable	Acceptable	0.260	0.286	No		3.12	1.956	Leggy form;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891314000	-31.998880000
AC0437	483	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	14	10	40 + years	Acceptable	Acceptable	0.350	0.385	No		4.20	2.216	Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891282057	-31.998863844
AC0438	482	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Semi-Mature	12	13	40 + years	Acceptable	Acceptable	0.260	0.286	No		3.12	1.956	Leggy form;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891343068	-31.998854820
AC0439	486	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	6	12	40 + years	Acceptable	Acceptable	0.330	0.363	No		3.96	2.162	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - minor;Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891319774	-31.998905880
AC0440		<i>Hakea newbeyana</i>	Mature	4	12	10 - 40 years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Canopy suppression - minor;Bifurcates at ground level;Deadwood - minor;Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891396000	-31.998943000
AC0441		<i>Hakea newbeyana</i>	Mature	4	12	10 - 40 years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Canopy suppression - minor;Bifurcates at ground level;Deadwood - minor;Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891414000	-31.998908000
AC0442		<i>Acacia linearifolia</i> (Narrow-leaved Wattle)	Mature	6	8	5 - 10 years	Questionable	Acceptable	0.200	0.220	No		2.40	1.752	Multi stemmed form;Canopy indicates decline;Canopy sparse;Bifurcates at ground level;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891434082	-31.998894311



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0443		<i>Hakea francisiana</i> (Emu Tree)	Mature	3	5	10 - 40 years	Acceptable	Acceptable	0.150	0.165	No		2.00	1.553	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at ground level;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891737591	-31.998768048
AC0444	563	<i>Allocasuarina fraseriana</i> (WA Oak)	Semi-Mature	5	5	40 + years	Acceptable	Acceptable	0.220	0.242	Yes - Not recommended		2.64	1.824	Bark included branch/stem unions;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891791274	-31.998778229
AC0445	562	<i>Pinus pinaster</i> (Maritime Pine)	Mature	14	8	40 + years	Good	Acceptable	0.400	0.440	No		4.80	2.344	Reasonable specimen;Bifurcates at 4m+;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891792508	-31.998794272
AC0446	564	<i>Melaleuca preissiana</i> (Stout Paper Bark)	Mature	5	5	40 + years	Acceptable	Acceptable	0.270	0.297	Yes - Not recommended		3.24	1.987	Bark included branch/stem unions;Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891764124	-31.998807230
AC0447		<i>Melaleuca nesophila</i> (Showy Honey Myrtle)	Mature	6	7	5 - 10 years	Questionable	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Bark included branch/stem unions;Canopy indicates decline;Canopy sparse;Bifurcates between ground level and 1m;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891913758	-31.998820805
AC0448	557	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	14	5	40 + years	Acceptable	Acceptable	0.410	0.451	No		4.92	2.369	Leggy form;Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Drainage infrastructure adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891893549	-31.998931719
AC0449	558	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	14	5	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Leggy form;Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Drainage infrastructure adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891893549	-31.998931719
AC0450	559	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	14	5	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Leggy form;Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Drainage infrastructure adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891893549	-31.998931719
AC0451		<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	14	5	40 + years	Acceptable	Acceptable	0.450	0.495	No		5.40	2.463	Leggy form;Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - major (< 50mm); Drainage infrastructure adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891893549	-31.998931719
AC0452	561	<i>Casuarina cunninghamiana</i> (River She-oak)	Juvenile	9	4	40 + years	Good	Acceptable	0.130	0.143	Yes - Not recommended		2.00	1.462	Canopy suppression - major;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891853442	-31.998931410
AC0453	556	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	17	19	40 + years	Acceptable	Acceptable	0.480	0.528	No		5.76	2.531	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at ground level;Deadwood - major (< 50mm);Rubbing, crossing stems - major (150mm to 300mm);Wounding noted to main stem;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891874267	-31.998966119
AC0454		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.891904811	-31.998980928
AC0455		<i>Melaleuca raphiophylla</i> (Fresh Water Paperbark)	Mature	7	12	40 + years	Acceptable	Questionable	0.600	0.660	Yes - Not recommended		7.20	2.779	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between ground level and 1m;Surface roots;Surface root damage - major;Previously lopped; Previously removed tree with remnant stump; Canopy formed by epicormic regrowth	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891839404	-31.998993578



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0456	554	<i>Eucalyptus vitrix</i> (Smooth-barked coolibah)	Semi-Mature	10	5	40 + years	Acceptable	Acceptable	0.210	0.231	No		2.52	1.788	Leggy form;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm); Apical stem previously failed; Large epicormic shoot has become new apex	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891884217	-31.999046412
AC0457	553	<i>Eucalyptus vitrix</i> (Smooth-barked coolibah)	Mature	12	9	40 + years	Acceptable	Acceptable	0.520	0.572	No		6.24	2.617	Bark included branch/stem unions;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891946538	-31.999042401
AC0458	555	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	12	14	40 + years	Acceptable	Acceptable	0.400	0.440	No		4.80	2.344	Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Pest/disease impacts - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891778548	-31.999059216
AC0459	501	<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Mature	7	9	40 + years	Questionable	Acceptable	0.450	0.495	Yes - Not recommended		5.40	2.463	Canopy suppression - major;Canopy starting to indicate decline;Canopy sparse;Bifurcates between 1m and 2m;Deadwood - major (150mm to 300mm);Previous failures - minor; Possible minor canker noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891343068	-31.999317295
AC0460		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891428374	-31.999310971
AC0461	504	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	16	20	40 + years	Acceptable	Acceptable	1.010	1.111	No		12.12	3.459	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (150mm to 300mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891436859	-31.999247261
AC0462		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891324402	-31.999239702
AC0463		<i>Callistemon viminalis</i> (Bottlebrush)	Semi-Mature	7	10	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Surface roots; Previously removed tree with remnant stump; Canopy formed by epicormic regrowth; Aerial roots noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891394283	-31.999183396
AC0464		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891401070	-31.999136501
AC0465	503	<i>Melaleuca preissiana</i> (Stout Paper Bark)	Mature	6	7	40 + years	Acceptable	Acceptable	0.350	0.385	Yes - Not recommended		4.20	2.216	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy slightly sparse;Bifurcates at ground level;Deadwood - minor;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891336280	-31.999197280
AC0466	502	<i>Eucalyptus rudis</i> (Flooded Gum)	Semi-Mature	9	8	<5 years	Questionable	Questionable	0.150	0.165	No		2.00	1.553	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy sparse;Bifurcates at 4m+;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891408783	-31.999219802
AC0467		<i>Callistemon viminalis</i> (Bottlebrush)	Semi-Mature	5	8	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Canopy suppression - major;Bifurcates at ground level;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm); Apical stem previously failed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891423592	-31.999212706
AC0468		<i>Melia azedarach</i> (Cape Lilac)	Juvenile	7	8	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Canopy suppression - major;Bifurcates between 2m and 4m; Possible previously removed tree with remnant stump; Canopy formed by epicormic regrowth	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891326870	-31.999294310



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0469		<i>Banksia menziesii</i> (Firewood Banksia)	Juvenile	2	4	10 - 40 years	Good	Acceptable	0.150	0.165	No		2.00	1.553	Leggy form;Multi stemmed form; Possible previously removed tree with remnant stump; Canopy formed by epicormic regrowth	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891447348	-31.999351541
AC0470		<i>Callistemon viminalis</i> (Bottlebrush)	Mature	5	12	40 + years	Acceptable	Acceptable	0.250	0.275	No		3.00	1.924	Grove; Multi stemmed form;Canopy suppression - minor;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891511058	-31.999261915
AC0471		<i>Melaleuca nesophila</i> (Showy Honey Myrtle)	Mature	7	8	10 - 40 years	Questionable	Acceptable	0.270	0.297	Yes - Not recommended		3.24	1.987	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Canopy indicates decline;Canopy sparse;Bifurcates at ground level;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891566130	-31.999263612
AC0472		<i>Pinus pinaster</i> (Maritime Pine)	Semi-Mature	9	4	40 + years	Acceptable	Acceptable	0.180	0.198	No		2.16	1.676	Leggy form;Canopy suppression - major;Bifurcates at ground level;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891562505	-31.999249497
AC0473	505	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	14	11	40 + years	Acceptable	Acceptable	0.950	1.045	Yes - Not recommended		11.40	3.371	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (150mm to 300mm); Avian damage noted in canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891545844	-31.999311048
AC0474	506	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	13	14	40 + years	Acceptable	Acceptable	1.080	1.188	Yes - Not recommended		12.96	3.558	Leggy form;Multi stemmed form;Bark included branch/stem unions;Bifurcates between ground level and 1m;Surface roots;Surface root damage - major; Drainage outlet pipe adjacent	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891617576	-31.999301329
AC0475	507	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	5	40 + years	Acceptable	Acceptable	0.260	0.286	Yes - Not recommended		3.12	1.956	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m; Appears to originating from adjacent tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891661540	-31.999293462
AC0476	509	<i>Eucalyptus utilis</i> (Coastal Moort)	Mature	5	8	10 - 40 years	Questionable	Acceptable	0.280	0.308	No		3.36	2.018	Canopy suppression - minor;Canopy indicates decline;Canopy sparse;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.891679589	-31.999449729
AC0477	510	<i>Corymbia ficifolia</i> (WA Red Flowering Gum)	Mature	10	11	40 + years	Acceptable	Acceptable	0.500	0.550	Yes - Not recommended		6.00	2.575	Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed; Possible minor canker noted in canopy; 2 of 2 apexes dead	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	Retain (Conditional); Tree has either visual and/or structural and/or health matters that require specific inputs and further arboricultural advice	115.891730032	-31.999447415
AC0478	508	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	5	10	40 + years	Good	Acceptable	0.320	0.352	No		3.84	2.134	Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Prior pruning - poor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891589809	-31.999388333
AC0479		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891633388	-31.999365733
AC0480		<i>Hakea newbeyana</i>	Mature	2	4	40 + years	Good	Acceptable	0.150	0.165	No		2.00	1.553	Canopy suppression - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891526716	-31.999372444
AC0481		<i>Hakea</i> species	Mature	2	4	10 - 40 years	Acceptable	Acceptable	0.150	0.165	No		2.00	1.553	Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891566053	-31.999366736



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0482	513	<i>Eucalyptus utilis</i> (Coastal Moort)	Mature	6	10	40 + years	Acceptable	Acceptable	0.320	0.352	No		3.84	2.134	Canopy suppression - minor;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891874113	-31.999448032
AC0483		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891805235	-31.999413092
AC0484		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891778393	-31.999387947
AC0485		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.891727950	-31.999337966
AC0486	511	<i>Melaleuca preissiana</i> (Stout Paper Bark)	Mature	4	7	40 + years	Acceptable	Acceptable	0.300	0.330	Yes - Not recommended		3.60	2.077	Good Specimen	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891846080	-31.999410654
AC0487	569	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	7	8	40 + years	Questionable	Acceptable	0.370	0.407	No		4.44	2.269	Canopy indicates decline;Canopy sparse;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Wounding noted to canopy;Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892444769	-31.999064490
AC0488		<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Semi-Mature	7	5	40 + years	Acceptable	Questionable	0.320	0.352	No		3.84	2.134	Leggy form;Canopy suppression - minor;Deadwood - major (50mm to 150mm);Wounding noted at basal area;Previous failures - major (150mm to 300mm); Previously removed tree with remnant stump; Canopy formed from epicormic regrowth	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892368872	-31.999091949
AC0489		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	13	18	40 + years	Acceptable	Acceptable	1.080	1.188	Yes - Not recommended		12.96	3.558	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Deadwood - minor;Surface roots;Surface root damage - major; Girdling root noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892271533	-31.999092720
AC0490	531	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	7	9	40 + years	Good	Acceptable	0.280	0.308	No		3.36	2.018	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892288348	-31.999202709
AC0491	530	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	16	40 + years	Acceptable	Acceptable	0.700	0.770	Yes - Not recommended		8.40	2.965	Leggy form;Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Rubbing, crossing stems - major (50mm to 150mm);Wounding noted at basal area;Surface roots	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892288965	-31.999244977
AC0492	529	<i>Eucalyptus victrix</i> (Smooth-barked coolibah)	Mature	10	15	40 + years	Acceptable	Acceptable	0.400	0.440	No		4.80	2.344	Reasonable specimen;Bifurcates between 1m and 2m;Deadwood - major (< 50mm);Rubbing, crossing stems - minor;Previous failures - major (< 50mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892311950	-31.999340773
AC0493	527	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	17	21	40 + years	Acceptable	Acceptable	0.800	0.880	No		9.60	3.136	Canopy suppression - minor;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (150mm to 300mm);Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892171263	-31.999289558
AC0494	532	<i>Corymbia calophylla</i> (Marri)	Mature	12	12	40 + years	Good	Acceptable	0.400	0.440	No		4.80	2.344	Reasonable specimen;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Previous fire damage to main stem - minor; Possible minor canker noted in canopy; Nest noted in canopy; Bat nesting box noted at base	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892176817	-31.999237109



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AC0495	528	<i>Eucalyptus vitrix</i> (Smooth-barked coolibah)	Mature	8	8	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Canopy suppression - major;Deadwood - major (< 50mm);Previous failures - minor;Tree on lean - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892232042	-31.999276909
AC0496		Unknown (see comments)	Mature	N/A	N/A	0 (Dead)	Dead	N/A	N/A	N/A	N/A		0.00	0.000	Remnant stump at this location	N/A	N/A	115.892034433	-31.999501051
AC0497	526	<i>Eucalyptus utilis</i> (Coastal Moort)	Mature	4	10	40 + years	Acceptable	Acceptable	0.290	0.319	No		3.48	2.048	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between 1m and 2m;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Prior pruning - poor;Fungal fruiting bodies - main stem	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892160156	-31.999487630
AC0498		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.892095521	-31.999441814
AC0499		<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	16	18	40 + years	Acceptable	Acceptable	0.800	0.880	No		9.60	3.136	Canopy suppression - minor;Bifurcates at 4m+;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Surface roots;Surface root damage - minor; Avian damage noted to canopy	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892114341	-31.999437495
AC0500		<i>Melaleuca nesophila</i> (Showy Honey Myrtle)	Mature	5	7	40 + years	Questionable	Acceptable	0.300	0.330	Yes - Not recommended		3.60	2.077	Multi stemmed form;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm); Aerial roots noted	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892149821	-31.999419601
AC0501		<i>Melaleuca nesophila</i> (Showy Honey Myrtle)	Mature	4	12	40 + years	Poor	Questionable	0.320	0.352	Yes - Not recommended		3.84	2.134	Canopy suppression - major;Bifurcates at ground level;Deadwood - major (150mm to 300mm);Rubbing, crossing stems - major (50mm to 150mm); Main stem previously failed near base	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	115.892189158	-31.999411733
AC0502	523	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	14	9	40 + years	Acceptable	Acceptable	0.420	0.462	No		5.04	2.393	Leggy form;Canopy suppression - major;Bifurcates at 4m+;Deadwood - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892083797	-31.999389365
AC0503	521	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	9	9	40 + years	Acceptable	Acceptable	0.300	0.330	No		3.60	2.077	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (50mm to 150mm);Tree on lean - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892081637	-31.999327969
AC0504		<i>Corymbia calophylla</i> (Marri)	Mature	9	12	40 + years	Acceptable	Acceptable	0.250	0.275	No		3.00	1.924	Leggy form;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892037981	-31.999301899
AC0505		<i>Callitris preissii</i> (Rottnest Island Pine)	Semi-Mature	7	7	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891877582	-31.999346930
AC0506		<i>Callitris preissii</i> (Rottnest Island Pine)	Semi-Mature	7	7	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891881000	-31.999300000
AC0507		<i>Callitris preissii</i> (Rottnest Island Pine)	Semi-Mature	7	7	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891869000	-31.999309000



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AC0508		<i>Callitris preissii</i> (Rottnest Island Pine)	Semi-Mature	7	7	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891880000	-31.999309000
AC0509	516	<i>Casuarina obesa</i> (Swamp She-oak)	Semi-Mature	6	8	40 + years	Acceptable	Acceptable	0.280	0.308	Yes - Not recommended		3.36	2.018	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - major;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891854398	-31.999352875
AC0510	522	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	6	6	40 + years	Acceptable	Acceptable	0.230	0.253	No		2.76	1.858	Leggy form;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891924100	-31.999342323
AC0511	520	<i>Eucalyptus rudis</i> (Flooded Gum)	Mature	16	17	40 + years	Good	Acceptable	0.580	0.638	No		6.96	2.740	Multi stemmed form;Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between 1m and 2m;Deadwood - minor;Habitat Value - native fauna observed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891960883	-31.999318321
AC0512	519	<i>Corymbia calophylla</i> (Marri)	Mature	14	12	40 + years	Acceptable	Acceptable	0.270	0.297	No		3.24	1.987	Leggy form;Canopy suppression - major;Bifurcates at 4m+;Rubbing, crossing stems - major (< 50mm);Previous failures - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891958357	-31.999365136
AC0513		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891920310	-31.999398426
AC0514		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891920310	-31.999398426
AC0515		<i>Melaleuca preissiana</i> (Stout Paper Bark)	Semi-Mature	2	3	40 + years	Acceptable	Acceptable	0.170	0.187	Yes - Not recommended		2.04	1.637	Multi stemmed form;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891935469	-31.999422206
AC0516		<i>Melaleuca preissiana</i> (Stout Paper Bark)	Mature	3	4	40 + years	Acceptable	Acceptable	0.170	0.187	No		2.04	1.637	Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Bifurcates between ground level and 1m;Deadwood - minor;Previous failures - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891871192	-31.999413511
AC0517		<i>Callitris preissii</i> (Rottnest Island Pine)	Semi-Mature	6	4	40 + years	Good	Good	0.100	0.110	No		2.00	1.310	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891885608	-31.999403257
AC0518	515	<i>Corymbia calophylla</i> (Marri)	Mature	11	8	5 - 10 years	Poor	Questionable	0.390	0.429	No		4.68	2.319	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy sparse;Bifurcates between 1m and 2m;Deadwood - major (150mm to 300mm);Wounding noted to canopy;Previous failures - major (< 50mm); Possible canker noted to canopy	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	115.891888580	-31.999388841
AC0519		<i>Melaleuca preissiana</i> (Stout Paper Bark)	Semi-Mature	4	3	40 + years	Acceptable	Acceptable	0.120	0.132	Yes - Not recommended		2.00	1.414	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.891996329	-31.999436845
AC0520		<i>Eucalyptus grandis</i> (Rose Gum)	Mature	18	21	40 + years	Good	Acceptable	0.700	0.770	No		8.40	2.965	Leggy form;Multi stemmed form;Canopy suppression - minor;Bifurcates between ground level and 1m;Deadwood - major (< 50mm);Rubbing, crossing stems - major (< 50mm);Previous failures - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892025458	-31.999438033



Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0521		<i>Eucalyptus vitrix</i> (Smooth-barked coolibah)	Mature	7	6	40 + years	Acceptable	Acceptable	0.500	0.550	No		6.00	2.575	Leggy form;Canopy suppression - major;Canopy starting to indicate decline;Canopy slightly sparse;Deadwood - major (< 50mm);Previous failures - major (50mm to 150mm); Apical stem previously failed	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892033632	-31.999404000
AC0522	533	<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	12	10	40 + years	Good	Acceptable	0.470	0.517	Yes - Not recommended		5.64	2.508	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 2m and 4m;Rubbing, crossing stems - minor;Surface roots;Surface root damage - major	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892219852	-31.999176761
AC0523		<i>Callistemon viminalis</i> (Bottlebrush)	Semi-Mature	4	8	40 + years	Acceptable	Acceptable	0.200	0.220	No		2.40	1.752	Multi stemmed form;Canopy suppression - minor;Canopy slightly sparse;Rubbing, crossing stems - major (50mm to 150mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892103515	-31.999210591
AC0524	534	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	16	8	40 + years	Acceptable	Acceptable	0.370	0.407	No		4.44	2.269	Leggy form;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892079127	-31.999136797
AC0525	535	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	16	15	40 + years	Acceptable	Acceptable	0.590	0.649	No		7.08	2.760	Leggy form;Multi stemmed form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at ground level;Deadwood - major (< 50mm)	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892103987	-31.999105014
AC0526	536	<i>Casuarina cunninghamiana</i> (River She-oak)	Mature	16	8	40 + years	Good	Acceptable	0.360	0.396	Yes - Not recommended		4.32	2.243	Canopy suppression - major;Deadwood - minor;Rubbing, crossing stems - major (< 50mm); Originates from union of adjacent tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892114372	-31.999101238
AC0527	537	<i>Casuarina cunninghamiana</i> (River She-oak)	Mature	16	8	40 + years	Good	Acceptable	0.400	0.440	Yes - Not recommended		4.80	2.344	Canopy suppression - major;Bifurcates at 4m+;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892180456	-31.999106587
AC0528	538	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Mature	17	9	40 + years	Acceptable	Acceptable	0.330	0.363	No		3.96	2.162	Canopy suppression - major;Canopy slightly sparse;Deadwood - major (50mm to 150mm);Tree on lean - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892194774	-31.999146081
AC0529	540	<i>Eucalyptus camaldulensis</i> (River Red Gum)	Juvenile	8	5	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Leggy form;Canopy suppression - major;Canopy slightly sparse;Bifurcates at 4m+;Deadwood - minor;Tree on lean - minor; Originates from union of adjacent tree	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892252676	-31.999147969
AC0530	539	<i>Casuarina cunninghamiana</i> (River She-oak)	Mature	17	6	40 + years	Good	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Leggy form;Canopy suppression - major;Bifurcates between ground level and 1m;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892244494	-31.999146710
AC0531	544	<i>Casuarina cunninghamiana</i> (River She-oak)	Semi-Mature	16	10	40 + years	Good	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892253935	-31.999109577
AC0532		<i>Eucalyptus camaldulensis</i> (River Red Gum)	Juvenile	14	3	40 + years	Acceptable	Acceptable	0.120	0.132	No		2.00	1.414	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892220264	-31.999124367
AC0533		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Juvenile	4	3	40 + years	Acceptable	Acceptable	0.110	0.121	Yes - Not recommended		2.00	1.363	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892230333	-31.999108633



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Arbor Centre Tree ID No.	Existing Tag No.	Species (& Common Name)	Age	Tree Height (m)	Canopy Spread (m)	Useful Life Expectancy (ULE)	Tree Health	Canopy Structure	Trunk Diameter (m)	Root Flare (m)	Transplantable	Minimum Preparation Time	TPZ Radius (m)	SRZ Radius (m)	Observations & Comments	Stage 1 Preliminary Recommendation	Recommendation Post Design Review	Longitude	Latitude
AC0534	543	Casuarina cunninghamiana (River She-oak)	Mature	17	8	40 + years	Good	Acceptable	0.350	0.385	Yes - Not recommended		4.20	2.216	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892231278	-31.999116815
AC0535	541	Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892198236	-31.999118703
AC0536		Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	1.250	1.375	Yes - Not recommended		15.00	3.783	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892131000	-31.999121000
AC0537		Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	2.250	2.475	Yes - Not recommended		15.00	4.842	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892120000	-31.999125000
AC0538		Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	3.250	3.575	Yes - Not recommended		15.00	5.651	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892122000	-31.999129000
AC0539		Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	4.250	4.675	Yes - Not recommended		15.00	6.325	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892126000	-31.999129000
AC0540		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891871906	-31.998847129
AC0541		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891871906	-31.998847129
AC0542		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891871906	-31.998847129
AC0543		Unknown (see comments)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0.00	0.000	No tree found at this location	N/A	N/A	115.891871906	-31.998847129
AC0544	542	Casuarina cunninghamiana (River She-oak)	Mature	17	4	40 + years	Good	Acceptable	0.250	0.275	Yes - Not recommended		3.00	1.924	Leggy form;Canopy suppression - major;Deadwood - minor	Retain; Develop and implement tree retention specifications	Retain; Develop and implement tree retention specifications	115.892198236	-31.999118703
AC0545	412	Pinus pinaster (Maritime Pine)	Mature	23	11	40 + years	Acceptable	Acceptable	0.560	0.616	No		6.72	2.594	Reasonable specimen;Deadwood - major (50mm to 150mm)	N/A	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889168666	-31.998699489
AC0546		Pinus pinaster (Maritime Pine)	Mature	22	12	40 + years	Good	Acceptable	0.750	0.825	No		9.00	2.933	Reasonable specimen;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (50mm to 150mm);Mechanical damage to main stem	N/A	Retain; Develop and implement tree retention specifications	115.889048960	-31.998799449
AC0547		Pinus pinaster (Maritime Pine)	Mature	23	15	40 + years	Good	Acceptable	0.730	1.030	No		8.76	2.900	Reasonable specimen;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	N/A	Retain; Develop and implement tree retention specifications	115.888989109	-31.998716371
AC0548	433	Pinus pinaster (Maritime Pine)	Mature	14	11	40 + years	Acceptable	Acceptable	0.600	0.660	No		7.20	2.670	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm)	N/A	Marked for Removal (by Others); Consider utilisation of log sections for habitat use	115.889179773	-31.998179324



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AC0549		<i>Pinus pinaster</i> (Maritime Pine)	Mature	26	15	40 + years	Good	Acceptable	0.900	0.990	No		10.80	3.166	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates at ground level;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed	N/A	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889132261	-31.998254603
AC0550		<i>Pinus pinaster</i> (Maritime Pine)	Mature	26	12	40 + years	Acceptable	Acceptable	0.520	0.572	No		6.24	2.515	Reasonable specimen;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed	N/A	Retain; Develop and implement tree retention specifications	115.889045875	-31.998325563
AC0551		<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	15	40 + years	Good	Acceptable	0.590	0.800	No		7.08	2.652	Good Specimen;Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	N/A	Retain; Develop and implement tree retention specifications	115.889019342	-31.998374309
AC0552		<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	17	40 + years	Good	Acceptable	0.580	0.638	No		6.96	2.633	Good Specimen;Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm);Habitat Value - native fauna observed	N/A	Retain; Develop and implement tree retention specifications	115.889045258	-31.998484759
AC0553		<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	12	40 + years	Acceptable	Acceptable	0.530	0.770	No		6.36	2.535	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed	N/A	Retain; Develop and implement tree retention specifications	115.888937893	-31.998393437
AC0554		<i>Pinus pinaster</i> (Maritime Pine)	Mature	25	20	40 + years	Good	Acceptable	0.710	0.880	No		8.52	2.866	Good Specimen;Deadwood - major (50mm to 150mm);Previous failures - major (< 50mm)	N/A	Retain; Develop and implement tree retention specifications	115.888903339	-31.998292243
AC0555		<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	16	40 + years	Acceptable	Acceptable	0.710	0.781	No		8.52	2.866	Good Specimen;Deadwood - major (50mm to 150mm);Previous failures - major (50mm to 150mm);Habitat Value - native fauna observed	N/A	Retain; Develop and implement tree retention specifications	115.889131798	-32.000402365
AC0556		<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	15	0 (Dead)	Dead	Poor	0.650	0.715	No		7.80	2.762	Dead Tree	N/A	Consider Removal/Replacement; Consider utilisation of log sections for habitat use	115.889034614	-32.000440004
AC0557		<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	10	10 - 40 years	Acceptable	Questionable	0.490	0.539	No		5.88	2.453	Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (150mm to 300mm);Large wounding from old failure/bifurcation	N/A	Retain (Conditional) Pending Further Analysis; Develop and implement tree retention specifications	115.889059913	-32.000377683
AC0558		<i>Pinus pinaster</i> (Maritime Pine)	Mature	23	17	40 + years	Acceptable	Acceptable	0.660	0.726	No		7.92	2.779	Reasonable specimen;Canopy suppression - minor;Deadwood - major (150mm to 300mm);Rubbing, crossing stems - major (150mm to 300mm);Previous failures - major (50mm to 150mm)	N/A	Retain; Develop and implement tree retention specifications	115.888962729	-32.000423652
AC0559		<i>Pinus pinaster</i> (Maritime Pine)	Mature	22	13	40 + years	Acceptable	Acceptable	0.650	0.715	No		7.80	2.762	Canopy suppression - minor;Deadwood - major (50mm to 150mm);Wounding noted to main stem;Previous failures - major (50mm to 150mm)	N/A	Retain; Develop and implement tree retention specifications	115.888975687	-32.000366268
AC0560		<i>Melaleuca leucadendron</i> (Weeping Paperbark)	Mature	6	6	40 + years	Good	Acceptable	0.250	0.275	Yes	6 Months	3.00	1.849	Reasonable specimen;Bark included branch/stem unions;Bifurcates between 1m and 2m	N/A	Marked for Removal (by Others); Consideration should be given to relocation	115.889171751	-32.000716592
AC0561		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Mature	5	5	40 + years	Good	Acceptable	0.220	0.242	Yes	6 Months	2.64	1.752	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Rubbing, crossing stems - major (< 50mm);Surface roots	N/A	Retain; Develop and implement tree retention specifications	115.889163730	-32.000764104
AC0562		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	3	4	40 + years	Acceptable	Acceptable	0.200	0.220	Yes - Not recommended		2.40	1.683	Bark included branch/stem unions;Canopy suppression - major;Bifurcates between ground level and 1m;Tree appears to have stabilised however original planting rootball appears to be exposed	N/A	Retain; Develop and implement tree retention specifications	115.889164964	-32.000797733
AC0563		<i>Melaleuca quinquenervia</i> (Broad Leaved Paperbark)	Semi-Mature	3	4	40 + years	Acceptable	Acceptable	0.180	0.198	Yes	6 Months	2.16	1.611	Reasonable specimen;Canopy suppression - minor;Tree unstable in the ground - minor	N/A	Retain; Develop and implement tree retention specifications	115.889164964	-32.000833521
AC0564		<i>Melaleuca leucadendron</i> (Weeping Paperbark)	Mature	7	5	40 + years	Acceptable	Acceptable	0.270	0.297	Yes	6 Months	3.24	1.910	Bark included branch/stem unions;Canopy suppression - minor;Canopy slightly sparse;Bifurcates between 1m and 2m	N/A	Retain; Develop and implement tree retention specifications	115.889166198	-32.000887821
AC0565		<i>Melaleuca leucadendron</i> (Weeping Paperbark)	Mature	5	5	40 + years	Acceptable	Acceptable	0.230	0.253	Yes	6 Months	2.76	1.785	Leggy form;Bark included branch/stem unions;Canopy suppression - major;Bifurcates between 1m and 2m	N/A	Retain; Develop and implement tree retention specifications	115.889165889	-32.000911577
AC0566		<i>Melaleuca leucadendron</i> (Weeping Paperbark)	Mature	4	5	40 + years	Good	Acceptable	0.240	0.264	Yes	6 Months	2.88	1.817	Bark included branch/stem unions;Canopy suppression - minor;Bifurcates between ground level and 1m;Tree has occluded around tree tie	N/A	Retain; Develop and implement tree retention specifications	115.889168666	-32.000946131



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Appendix A – Overview of AS 4970, AS 4373 & AS 2303

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AS 4970 'Protection of Trees on Development Sites' 2009

To successfully incorporate trees into the urban environment, careful consideration, planning and protection should be afforded to both above and below ground parts of the tree - leaves, branches, stems of the above ground parts and below ground, absorbing roots and structural roots.

The operations and activities associated with the construction and development process can have adverse effects on tree health and stability. Those activities that can potentially impact on the tree(s) will require remedial measures to be taken prior to, during and post development to ensure that all reasonable measures are taken to offset such damage.

Damage to tree roots is often irreversible and a common cause of tree decline and/or death following the construction and development phase. The implementation of a Tree Protection process will help lessen the impact that proposed development will have on the root zone (resulting from grade changes, excavations, soil compaction, mechanical damage etc...) and enable timely remedial action to help the tree to retain enough root mass for the continuation of natural growth and development.

Australian Standards have created AS 4970 '*Protection of Trees on Development Sites*' 2009 that addresses many of the issues that construction and development can have on trees and specifies a process on how to avoid unnecessary damage and outlines guidance only on measures to protect tree welfare during the construction and development phase.

It is important to recognise that the TPZ's identified in this report are simply an indicative measurement of a boundary around the tree beyond which disturbance is considered inconsequential and is unrestricted. However, the main purpose of this circumference around the tree is to recognise that the works proposed within the indicative boundaries have been assessed, modified (where applicable) and approved by a suitably qualified person (minimum) Australian Qualification Framework Level 5 Arborist (AQF 5 – *Diploma in Arboriculture*) prior to the commencement of works

Where encroachment (building, construction, excavation, landscaping or otherwise) into the Tree Protection Zone is required, Arboricultural input will be necessary to assess the extent of potential impact that may occur and if required, provide Arboricultural measures that can be taken to enable modification of the TPZ and allow root zone encroachment to occur.



In addition to the above and as recognised in the Australian Standard, all tree preservation recommendations need to appreciate the individual tree characteristics, tolerances that the species possess, the site-specific soil type(s), and other environmental conditions or circumstances that are specific to the site.

AS 4373 'Pruning of Amenity Trees' 2007

AS 4373 '*Pruning of Amenity Trees*' 2007 has been developed to provide a guide on tree pruning procedures and practices to limit poor or deleterious type pruning being unnecessarily inflicted onto amenity trees.

The result of incorrect pruning of a tree is often irreversible, can negatively impact its health and structure and create unnecessary hazards within and surrounding the trees.

Correct tree pruning practices can reduce the likelihood of branch failures, limit pest and disease infestations, improve site safety and tree amenity, encourage sound structural development and extend tree longevity.

Any pruning works undertaken to the assessed trees should be specified by a (minimum) Australian Qualification Framework Level 5 Arborist (AQF 5 – *Diploma in Arboriculture*); comply with the Australian Standards AS 4373 '*Pruning of Amenity Trees*' 2007 and be undertaken by suitably trained and qualified Arborists with a minimum AQF Certificate 3 in Arboriculture under the supervision of the Arbor Centre.

AS 2303 'Tree Stock for Landscape Use' 2015

It is essential that the tree specimens selected for planting are fit for purpose, in good condition and not compromised at the time of planting.

This includes -

- Appreciating that the investment in a tree is in the root system that it needs to sustain itself through to maturity; not the size of the canopy mass as a seedling or sapling or as a semi mature tree.
- Trees require structurally sound root systems to establish into the landscape and thrive over the long term. This can be supported by ensuring trees are produced in a manner such that the tree's root system is reasonably free of root entanglement and; that the ratio of above ground dynamic (canopy) mass is proportional to a healthy below ground dynamic (root) mass. AS 2303 'Tree stock for landscape use'; is an Australian Standard that provides guidance in achieving this by providing quantifiable tree performance measures that can be used as KPI's for the contract growing of trees. Management of tree production using Australian Standard AS 2303 should be exercised by a suitably qualified Arboriculturist/Horticulturists.



- Recognizing the importance of maintaining stock quality, despite potential changes to planting dates and timeframes, (as this is not covered under Australian Standards) – i.e. that the holding of stock beyond the time when it was selected and approved for planting, may require re-potting or other treatment (to avoid irreversible root entanglement, that compromises the capacity of the tree to perform to expectations in the longer term).
- Ensure trees receive appropriate and sufficient preparation prior to planting and after care post planting.

References: AS 4373 2007, AS 4970 2009. AS 2303-2015



Appendix B – Tree Protection Notes for Incorporation into Construction Drawings

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Incorporating the below Tree Protection notes onto demolition, construction, service, landscape etc. Drawings as an immediate tree protection reference point would be beneficial for contractors (and subcontractors) reading drawings specific to their works.

Including (but not limited to);

- THE NOMINATED PROJECT ARBORICULTURIST IS ARBOR CENTRE GROUP PTY LTD CONTACT No. 08-9359 9300.
- THE IDENTIFIED TREES ARE TO BE PROTECTED AND PRESERVED IN ACCORDANCE WITH ARBOR CENTRES TREE PROTECTION SPECIFICATION FOR THE DURATION OF WORKS.
- THE TREES ARE TO BE FENCED AND SIGNED AT THE SPECIFIED TPZ DELINEATION IN ACCORDANCE WITH THE ARBORICULTURAL PROTECTION SPECIFICATIONS AND ADVICE FROM ARBOR CENTRE.
- NO UNAUTHORISED ACCESS OR WORKS ARE TO OCCUR WITHIN TPZ AREA WITHOUT PRIOR CONSULTATION AND FORMAL APPROVAL FROM ARBOR CENTRE.
- THE PROJECT ARBORICULTURIST IS TO BE NOTIFIED A MINIMUM OF 5 WORKING DAYS PRIOR TO WORKS PROPOSED WITHIN THE TPZ.
- ANY WORKS WITHIN THE TREE PROTECTION ZONE ARE TO BE CARRIED OUT IN ACCORDANCE WITH ADVICE FROM AND UNDER THE SUPERVISION OF THE ARBOR CENTRE.



Appendix C – Road and Path Construction Modifications

TOWN OF VICTORIA PARK
Received: 07/01/2025

Pervious paved surfaces

- The use of aggregate layer beneath **Pervious paved surfaces** (Permeable &/or Porous type paving – refer figure 5) provides benefit that include creating soil accessibility for tree roots, Soil moisture harvesting, Stormwater harvesting, and can help in mitigating pavement trip hazards.

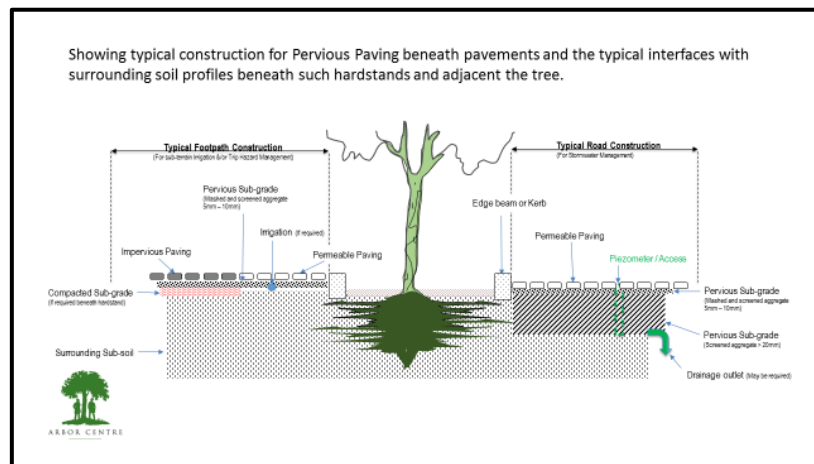


Figure 5. Diagrammatic example of how pervious paving may be utilised within the landscape –Image property of Arbor Centre

Root canals

- The use of **root canals** (refer figure 6) utilizing secure areas near tree plantings for tree root development so as to minimize the need for rootable soil space immediately surrounding the tree.

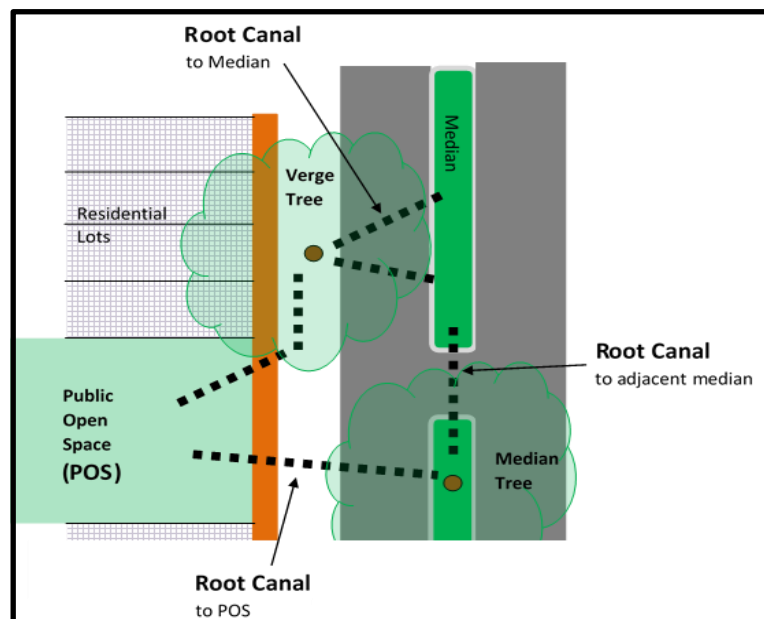


Figure 6. Showing root canal possibilities to consider in urban design – image property of Arbor Centre



Water Sensitive Urban Design (WSUD)

TOWN OF VICTORIA PARK

Received: 07/01/2025

Consideration should be given to the Implementation of WSUD water harvest and storage strategies throughout the site to minimize storm water runoff and better utilize and manage water from rain events (refer figures 7, 8 & 9).

Strategies may include (but may not be limited to);

1. Use of permeable and/or porous paving on roads, footpaths and parking bays etc.
2. Installation of below ground water storage cells.
3. Installation of water management systems i.e. rain gardens, swales, Treenet Inlets etc...



Figure 7. Water Sensitive Urban Design - Image Source – <https://www.watersensitivesa.com/aila-award-winning-projects-embrace-wsud/>



Figure 8. Permeable paving-. Image Source <https://treenet.org/wsud-research-applied-latest-addition-symposium-resources/>




Figure 9. Treenet Inlet. Image Source <https://spacedownunder.com.au/resources/>



GEOWEB® LOAD SUPPORT

The GEOWEB® load support system stabilizes the selected infill and provides economical solutions to unstable surface or base problems in three key areas: 1) a load distribution system over weak soils, 2) base stabilization for paved surfaces and 3) surface stabilization for unpaved surfaces.

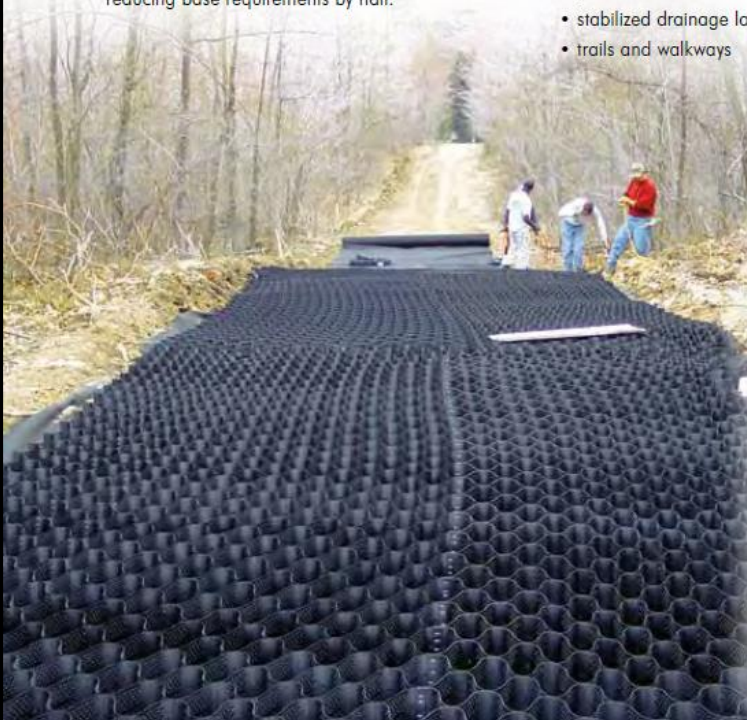
- Significantly minimizes surface rutting.
- Distributes loads laterally and reduces vertical deflection and subgrade contact pressures.
- Controls shearing and lateral movement of the coarse and permeable infill material.
- With open aggregate infill, reduces storm water runoff and creates on-site water detention/retention basin.
- In most cases, the GEOWEB® system doubles the effective structural number for load support, reducing base requirements by half.




TYPICAL APPLICATIONS

- site access roads
- permeable, load-supporting surfaces
- roadway shoulders
- intermodal/port facilities
- transportation/storage yards
- stabilized drainage layer
- trails and walkways

- track ballast and subballast structures
- stabilized base for asphalt or modular block pavements
- boat ramps/low water crossings
- foundation mattresses and pipeline protection





load support

- Perforations and a textured surface increase the friction angle between aggregate infill and the cell wall, generating better aggregate lockup and greater overall load distribution.

- Perforations facilitate lateral cell-to-cell drainage of excessive ground and surface water, reducing the negative effects of trafficking over saturated soils.

Figure 10. Example of GeoWeb product – Image source <https://www.geofabrics.co/sites/default/files/brochures/Geoweb-General-Brochure-M056-10-14NZ.pdf>





Figure 11. Example of GeoWeb product being installed within Epsom Avenue, Belmont – Image source City of Belmont (WA)



Appendix D - Arbor Centre Examples of Aeration Layers used for Tree Retention

TOWN OF VICTORIA PARK
Received: 07/01/2025

Project:- Hale School *Eucalyptus gomphocephala* (Tuart) Rootzone assessment and remediation.

Date:- 2011

Descriptions:- Car park construction introduced approximately 1m of fill and hardstand immediately around tree trunk (refer images).

More than 50% of the tree's root system has been impacted by building and carpark construction. Fill Profile consists of 800mm – 900mm of compacted layers of poorly graded sands beneath a 300mm depth of typical hardstand construction of compacted road base with bitumen surfacing. The areas was remediated by Arbor Centre via the installation of aggregate and geotextile to aid drainage and keep the bark area from excessive inundation.

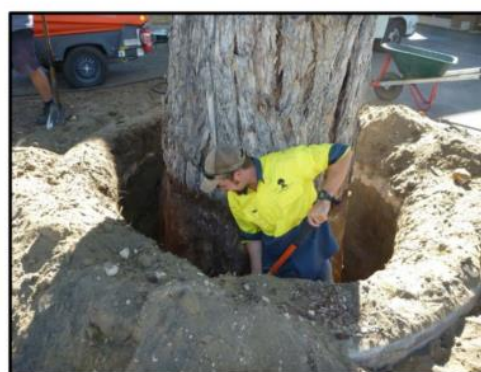


Figure 12. Example of Aeration Layer – Hale School – Image source Arbor Centre

Project: - Curtin Bus Interchange

Date: - 2018

Description: - Installation of an Aeration Layer was placed over the existing root system of retained trees to allow the continuation of root growth beneath a proposed road. Road was built in 2018 and is currently trafficked by Bus's, Cars, and Pedestrians



Figure 13. Example of Aeration Layer – Curtin Bus Exchange – Image source Arbor Centre

Prepared for: Aspect Studios

Revision 1 – Stage 2 – Collaborative Design Review – Australian Hockey Centre (Curtin University) – July 2024

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Aeration Layer / Ballast

(East Perth Pedestrian Bridge)



Optimising air
and moisture
movement
beneath
hardstand

Arterial root
protection for
impact bollards



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Figure 14. Example of Aeration Layer – East Perth Pedestrian Bridge (Matagarup Bridge) – Image source Arbor Centre

Aeration Layer / Ballast

(MRA – South Embankment Midland)



October 2008



November 2008



July 2018

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Figure 15. Example of Aeration Layer – MRA – South Embankment Midland – Image source Arbor Centre

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Five core fundamentals underpin the integrity of our Infrastructure Protection solution. These are built around the combination of this premium product and our highly skilled application of it.

- 1** Comprehensive project preparation and advice, including 'Site-Specific' assessment of the working environment
- 2** Project Managed service delivery throughout with final inspection Certification
- 3** Proprietary Infrastructure Protection Coating with unique formula; highly adaptable to site circumstances, best in class protection and easily identified from other products
- 4** On-site 'Site Specific' preparation process and application, all delivered by highly skilled and accredited Arbor Centre staff
- 5** Warranty options exist for the combination of the product and its 'Site-Specific' application

Figure 16. Example of Fortress5 – Image source Arbor Centre

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If you have any queries or if we can be of further assistance, do not hesitate to call the Arbor Centre office on (08) 9359 9300.

Regards,



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On Behalf of

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Grad. Cert. Arb Melb. Uni.
Adv Dip.Arb & Hort. Mordoch
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And assisted by

Veronica Lehman – Arboricultural Assistant

AQF Level 3 Arboriculture -- Interlink

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- The uses of this advice in circumstances or situations other than the specific subject of this advice;
- Failure by the Client to follow this advice;
- The action(s) or inaction(s) of the Client or any other party that gives rise to loss or damage to the subject of this advice;
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