Arboricultural Assessment and Report

3 Nortons Lane, Wantirna South

VIC 3152 v1

27 November 2025

Tree Logic Ref. 013990

Prepared for James Cron | MSM & Associates Pty Ltd

Prepared by Ethan Lua | Tree Logic Pty. Ltd.

1 Introduction

1.1 Tree Logic was engaged to undertake an arboricultural assessment for trees growing within the residential property at 3 Nortons Lane, Wantirna South VIC 3152 to inform design intent for a new educational facility.

1.2 The requirements of the arboricultural report include:

- To provide information on trees within the study area including their species, origin, age category, dimensions, health and structure;
- To assign the trees an arboricultural rating reflecting their retention value;
- Determine if the trees are subject to any permit requirements.
- Determine the Tree Protection Zones (TPZ) and Structural Root Zones (SRZ) for trees, compliant with AS4970 ‘Protection of trees on development sites’
- A plan will be provided that geographically locates and identifies (unique identifier - Tree No.) the assessed trees along with their Tree protection zones and Structural root zones. The tree plan would utilise an aerial image and supplied construction plans.
- Undertake a design review and identify potential TPZ and SRZ incursions and prepare a tree impact assessment report

2 Method

2.1 The site inspection was carried out on Wednesday, 7th April 2025 during mild conditions by Ethan Lua (#SG-843A) and Monique Allison (#SA-01100A) (ISA Certified Arborists, TRAQ trained and certified). Assessed trees were viewed from the ground and observations were made of their growing environment.

2.2 Observations were made to determine tree species, type, age category and condition. Tree dimensions were recorded with overall tree height and average crown width estimated and trunk diameter measured with a diameter tape nominally at 1.4 metres above ground level.

2.3 Characteristics of assessed trees are listed in Appendix 1 and a Tree Location and TPZ plan can be seen in Appendix 2.

2.4 During the time of inspection, a non-georeferenced survey plan had been provided, hence tree locations has been plotted on a combination of recent aerial imagery tree point geometrical data. Vegetation other than trees, including woody shrubs were not included in the arboricultural assessment.

2.5 Photographs of the trees and the environs were taken for further reference and inclusion in the report.

2.6 Each of the assessed trees was attributed an 'Arboricultural Rating'. The rating combines tree condition factors (health and structure) with tree amenity value. It should be noted that the arboricultural rating is different to the conservation/ecological values placed on trees by other professions. Definitions of ratings can be seen in Appendix 3.

2.7 The assessed trees have been allocated Tree Protection Zones (TPZ). The Australian Standard, AS 4970-2009, has been used in the allocation of TPZs. This method provides a TPZ that addresses both the stability and growing requirements of a tree. TPZ distances are measured as a radius, from the centre of the trunk at (or near) ground level. TPZ measurements are provided in Appendix 1.

2.8 Documents viewed:

- 3-Nortons-Lane-Wantirna-South-(ID53058938)-Vicplan-Planning-Property-Report dated 2nd April 2025
- Architectural Feature plan (*24645D01s_arch.pdf*) dated 16th January 2025
- 1566 New School Wantirna South Feasibility - report[B].pdf

3 Observations

3.1 The site, classified as a farming zone in its planning scheme, is a 14,570m^2 residential allotment on the western side of Nortons Lane, Wantirna South (Figure 1). The land itself is rather unvarying in topography and the primary density of the canopy trees reflected on the site exist within the western rear of the site itself and southern boundary. One central structural dwelling and one western rear secondary structure with an adjacent tennis court facility were observed. A hundred-meter driveway with a southern avenue of trees along its length extends from Nortons Lane to the central residence and grounds. Vegetation on the eastern frontage was mostly ornamentally planted, while the trees in the western rear comprised a mix of wind rows and tall canopy pines, commonly planted in farm zone establishments. A variety of amenity planted shrubs were observed throughout the site.

Figure 1: Tree study area indicated by Yellow border.

3.2 One hundred and sixteen (116) individual trees and eleven (11) groups were included in the assessment.

- Group 1 was a recently planted row of *Syzygium sp* (Lilly Pillys) in the eastern front nature strip.
- Groups 2 to 6 and 11 comprised of varying ornamental smaller trees and shrubs alike spread out around the central structural dwelling.
- Groups 7 and 8 are *Cupressus lusitanica* (Cypress) hedging wind rows planted around the western rear court facility.
- Group 9 are semi-mature ornamental fruit trees located in an orchard in the northwest rear of the property
- Group 10 are Variegated Taratas growing along the northern property boundary

3.3 Species and Origin

Twenty-five (25) different tree species were recorded during the assessment (not including smaller trees and shrubs in groups). The trees featured mostly exotic specimens (79.5%) along with isolated Australian (6.8%) and Victorian natives (13.7%). All the natives were planted except for one Yellow box (Tree 1) located at the northeastern neighbouring property. Refer to Figure 2 below for Tree origin mapping overview.

Figure 2: Tree Origin Map.

: Exotic Specimens (79.5%) : Victorian Natives (13.7%) : Australian Natives (6.8%) : Indigenous (0.7%)

3.4 Most trees were established with the exception of a few young trees, attracting a variety of age-range classifications though all were still actively growing and categorised as either Semi-Mature, Early-mature or just starting their Maturing phase. Majority of the *Pinus radiata* (Monterey Pine) in the western rear of the property were early mature to maturing, akin to the avenue of trees along the southern boundary driveway. Semi Mature and young plantings were featured in the eastern frontage of the dwelling in the open lawn area.

3.5 **Health and Structure**

Tree health was assessed based on foliage colour, size and density as well as shoot initiation and elongation where possible. Most of the trees were observed receiving routine site inspection and maintenance, hence, close to 82% of the tree population displayed Fair and typical health characteristics for the species growing in this location under current conditions. Issues noted with regards to trees displaying Fair to Poor health (15%) were reduced foliage densities, suppression from larger trees due to planting proximities and deadwood. Three (3) trees exhibited poor health due to excess deadwood and dieback.

3.6 **Tree structure** was assessed for structural defects and deficiencies, likelihood of failures and risk to potential targets.

- Close to half (46%) of the trees assessed were attributed with Fair structural ratings, exhibiting common crown defects, typical of their species in the growing conditions.
- Another 46% of the trees were attributed with Fair to Poor structural ratings, majority of which were derived from biased crowns, acute unions or over extended limbs from overlooked mature specimens. The large group of Monterey Pines at the western rear of the dwelling exhibited many of these defects in part due to the close plantings and suppression from larger surrounding trees.
- Nine (9) trees exhibited Poor health from severely reduced foliage densities, poor past pruning practices as well as suppression.

3.7 **Arboricultural Rating** The assessed trees were attributed with an arboricultural rating. This rating reflects a combination of a tree's health and structure and conveys an amenity value. Amenity relates to the tree's functional and aesthetic characteristics within an urban landscape context and can be used as a guide to inform design intent. The potential arboricultural ratings range from 'High' through three categories of 'Moderate' value (Mod. A, B or C) down to Low or Very Low value trees.

3.7.1 Three (3) trees attracted a Moderate A rating, being generally prominent trees that display better than typical characteristics of the species growing in this setting under prevailing conditions.

- A mature Yellow Box (Tree 1) at the northeastern exterior of the property
- A mature Monterey Pine (Tree 2) at the entrance of the southeastern driveway
- A mature Brittle Gum (Tree 109) with a large prominent canopy at the east frontage of the dwelling.

3.7.2 Sixteen (16) trees attracted a Moderate B rating, being typical early-mature examples of the species growing well in this setting under prevailing conditions.

- Ten (10) of the trees were better established Monterey Pines, most of which were growing on the edges of the tree cluster groups, having sufficient canopy and ground space to develop.

3.7.4 Fifty (50) trees attracted a Moderate C rating, being either;

- maturing trees with health and structural deficiencies that are trending towards becoming of Low arboricultural value.
- or are small / young specimens. These trees may have a moderate or moderate-long useful life expectancy, if managed appropriately and retention of these trees is generally desirable within a development context.

3.7.5 Forty-eight (48) of the trees were of Low arboricultural value due to their Fair to Poor conditions in both health and structural aspects. Trees attributed a Low rating are generally not considered worthy of being a constraint on reasonable design intent or any substantial expenditure of resources to retain and manage.

4 Tree Permit Requirements

4.1 The subject site is located in Knox City Council (Council Prop No: 133158). Under the local planning scheme, the property is zoned as Farming Zone (FZ) (Knox). No specific tree controls apply under the planning zone, and no planning overlays apply to the site.

4.2 In accordance to Knox Amenity Local Law 2020, a list of environmental weeds were curated, preventing and penalising the growth of specified weed species on private land. Referencing this, the two (2) species within the site were identified;

- *Pinus radiata* (Monterey Pine) (Tree ID 2, 14, 16, 17, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34, 35, 41, 42, 43, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104)
- *Pittosporum undulatum* (Sweet pittosporum) (Tree ID 114)

4.3 Native Vegetation regulations (clause 52.17) are triggered due to the site being larger than 4000 square metres (14,570m2). Apart from neighbouring tree, Tree 1 which was identified as an indigenous Yellow Box at the northeastern exterior of the property, an exemption from the permit requirement within Clause 52.17 is available for all the recorded trees as they have been planted, this should be confirmed with the responsible authority.

5 Design review and Tree impact assessment

5.1 The pre – development arboricultural inspection report provides planners and designers with information on whether trees are worthy or not of being a constraint on the proposed works within the subject site.

5.2 It also provides a basis on which to identify when and where potential impacts to trees will occur from various design elements and evaluates the possible severity of the impact during the design phase of any site redevelopment.

5.3 Trees grow in a delicate balance with their environment and any changes to that balance must be minimised if a tree is to remain in a healthy state and fulfil its potential.
It is rarely possible to repair stressed and injured trees, so damage needs to be avoided during all stages of development and construction.
Tree protection cannot be achieved without a proactive approach. The planning and design stages of any construction project can be instrumental and determine the success of tree preservation.

5.4 The hierarchy of principles for tree protection are:

- Avoid damage to the subject trees
- Minimise damage to the subject trees
- Replace the subject trees and improve the landscape (as a last resort).

5.5 A minor encroachment is where the proposed works occupy up to 10% of the TPZ. This is generally permissible provided encroachment is compensated for the recruitment and protection of an equivalent area of land contiguous with the TPZ.

5.6 A major encroachment is where the proposed works either occupy more than 10% of the TPZ and/or intrude into the SRZ of a retained tree. AS4970 requires the site arborist to show that where there is a major encroachment that the retained trees are not adversely affected by the proposal. This may require further investigation (i.e., root mapping), the use of construction methods and materials sympathetic to tree roots, or modifications to the design footprint.

5.7 Multiple design plans in sequential stages were provided in October 2025 by MSM and Associates Pty Ltd, for basis of a design review and impact assessment.

- 1566_TP-02 [D] EXISTING CONDITIONS - DEMOLITION PLAN.pdf
- 1566_TP-03 [E] - PROPOSED SITE PLAN - STAGE 1.pdf
- 1566_TP-10 [A] PROPOSED SITE PLAN - STAGE 2.pdf

5.8 Demolition stage

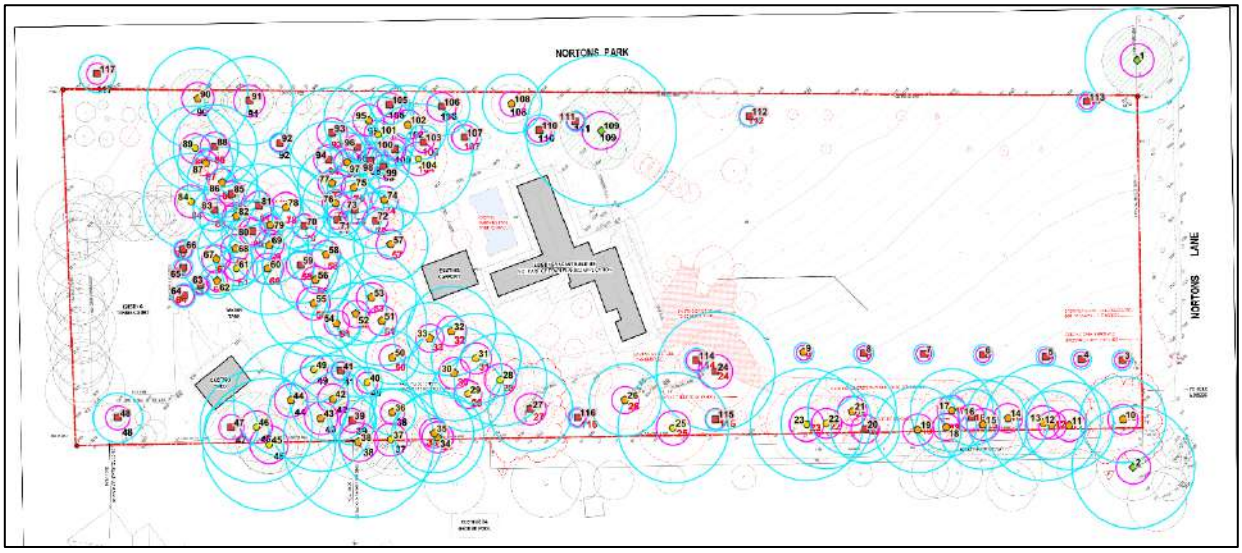
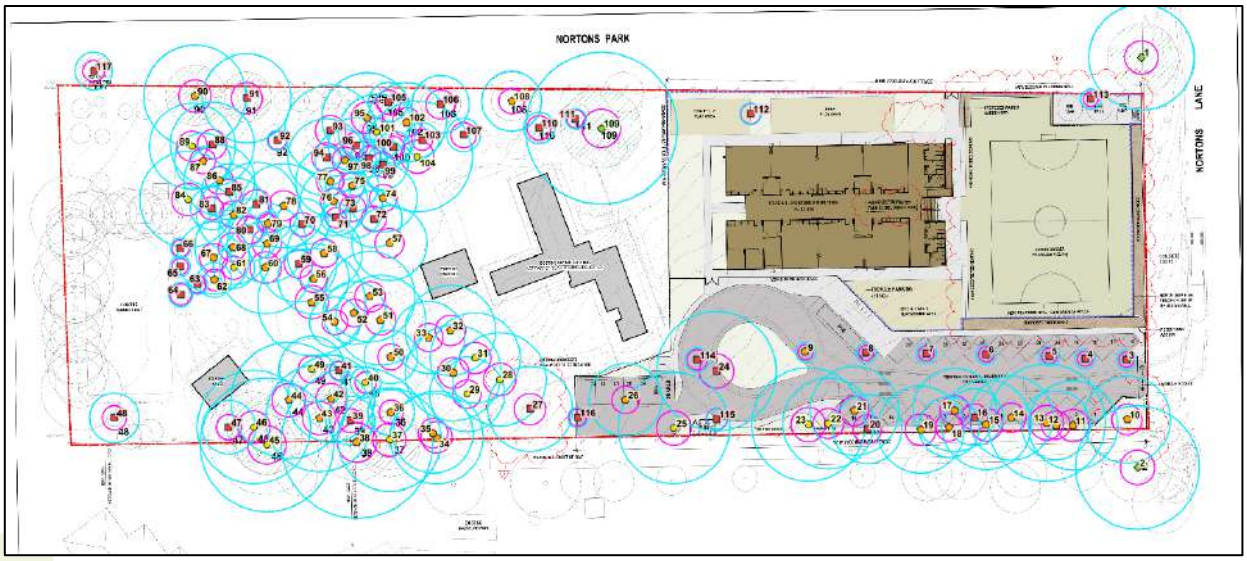


Plate 2. 1566_TP-02 [D] EXISTING CONDITIONS - DEMOLITION PLAN.

The demolition stage shows the removal of,

- The surrounding property brick wall, gate and fencing
- The eastern frontage brick paving and gravel driveway leading up to the main residence
- The southeastern water tank facility.
- Twenty-eight (28) trees and two (2) tree group features in the eastern frontage of the dwelling are slated for removal for construction works.

5.9 Stage 1 Development

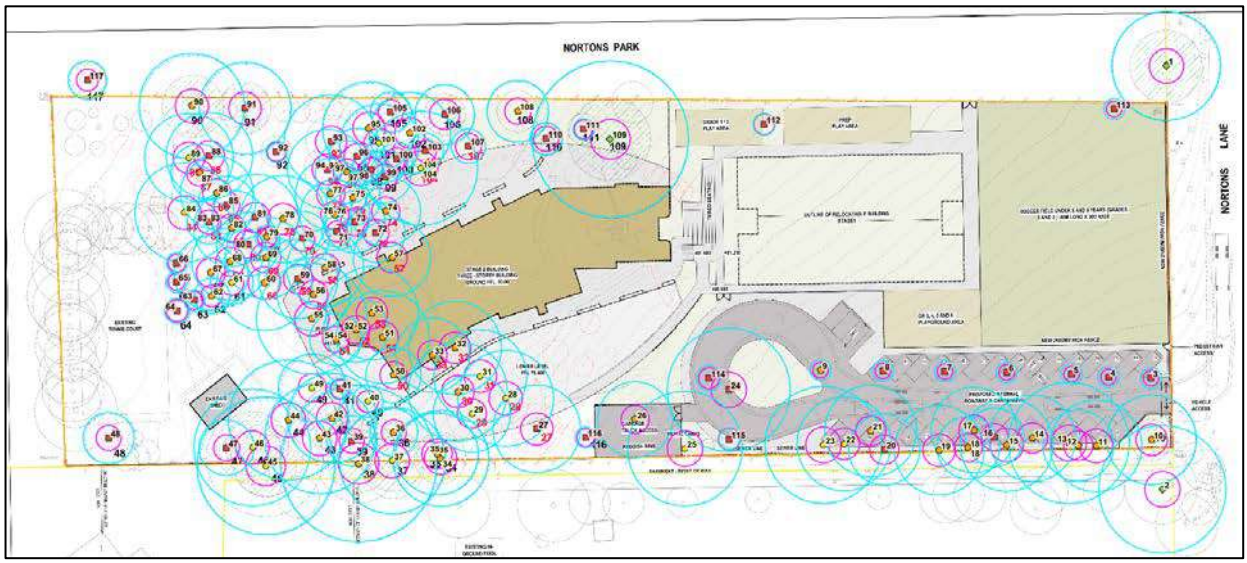


Stage 1 of the proposed development comprises of

- An internal roadway roundabout and car parking provisions

- Construction of a 40 meters long by 30 meters wide soccer field along the northeastern edges of the property
- A refuse area south of the existing dwelling structure
- A relocatable multi classroom facility west adjacent of the soccer field, north of the carpark
- Multiple landscaped play areas around the classroom facility.
- Tree 1, the Yellow Box at the northeastern exterior of the property will encounter minor encroachment from the proposed fencing and soccer field works. It is expected to survive the works with TPZ exclusion fencing.

5.10 Stage 2 Development



Stage 2 of the proposed development comprises of

- Construction of a multi-level education complex structure in place of the existing dwelling structure.
- Asphalt sectors bordering the north and south of the complex, with the south platform featuring a secondary lower level.
- New landscaping areas to the north and south of the asphalt sector. With level change construction works to occur in the south sector
- According to the proposed plan, forty-five (45) trees and four (4) tree group features are slated to be removal to cater to the construction works.

- Tree 109, the brittle gum located in the northern center of the property, will have TPZ and SRZ encroachment from the proposed works. Given the high arboricultural and amenity value of the tree, due consideration should be given to its retention through the development works. A Non-destructive root investigation (NDRI) should be undertaken prior to any work to establish the extent of the root structure. Root sensitive construction methods such as hydro excavation within the confines of the tree's TPZ are advised to minimize any damage to structural roots of the tree. The extent of the north asphalt sector should steer clear of the tree's SRZ to not compromise the structural integrity of the root plate. With these measures implemented, the tree is expected to survive the works.
- Trees 68-89 and 93-104 are Monterey Pines that were growing within proximity as a group. Groups of trees such as these should not be fragmented as this can expose remaining trees to new wind-loading and possibly increase the chances of tree or limb failure. In this case, where multiple trees within this cluster have been plan-marked for removal/ affected by the proposed works, they are all recommended for removal, with new canopy plantings as a replacement in alternative areas of the property.

5.11 Tree management recommendations based on proposed impacts.

5.11.1 Landscape Planting

- Trees 95, 108, and 109 will have their TPZs encroached by landscaping works to facilitate new planting. Landscaping design and construction should be sensitive to the site conditions and avoid soil level changes near retained trees. Changes in moisture levels, loss of tree roots and soil level changes can have detrimental effects on trees. It is recommended that with reference to the above trees, the proposed landscaping is to be tree sensitive, with garden beds or planter boxes / structures to be placed directly on ground or secured with individual footings instead of topping up existing soil level.
- It is also recommended that mulching and underplanting be part of the overall landscaping design to enhance the condition of root zones around retained trees.

5.11.2 Fencing

- Excavation or installation for any footings/piers or minor ground levelling must be excavated by hand or powered tools to avoid any major roots of the boundary trees. Location of piers / footings must remain flexible to avoid roots ≥50 mm Ø. No roots ≥50 mm Ø shall be severed unless authorized by the arborist.

Refer to the Appendix 1A and 2A, detailing the impacts and TPZ incursions to the assessed trees

6 Tree Protection Zones

6.1 The Tree Protection Zones (TPZs) provided for each tree in the Tree Assessment Table in Appendix 1 are calculated using the formula provided in the Australian Standard AS4970 where the Radial TPZ = Trunk diameter (DBH) measured at 1.4m above grade multiplied by 12. TPZ distances are measured as a radius from the centre of the trunk at (or near) ground level.

6.2 The TPZ forms an area around a tree or group of trees that addresses both the stability and growing requirements of a tree. Where changes to a site are proposed, the effects of any construction or other activities within the TPZ would need to be assessed to determine potential impacts on trees intended to be retained.

6.3 Minor encroachment, up to 10% of the TPZ area, is generally permissible provided encroachment is compensated for by recruitment of an equal area contiguous with the TPZ. Encroachment greater than 10% is considered major encroachment under AS4970 and is only permissible if it can be demonstrated that after such encroachment the tree would remain viable. For trees at the subject site that have been lopped beneath power lines and will continue to be maintained with a reduced crown, some additional TPZ encroachment may be possible without adversely affecting their viability.

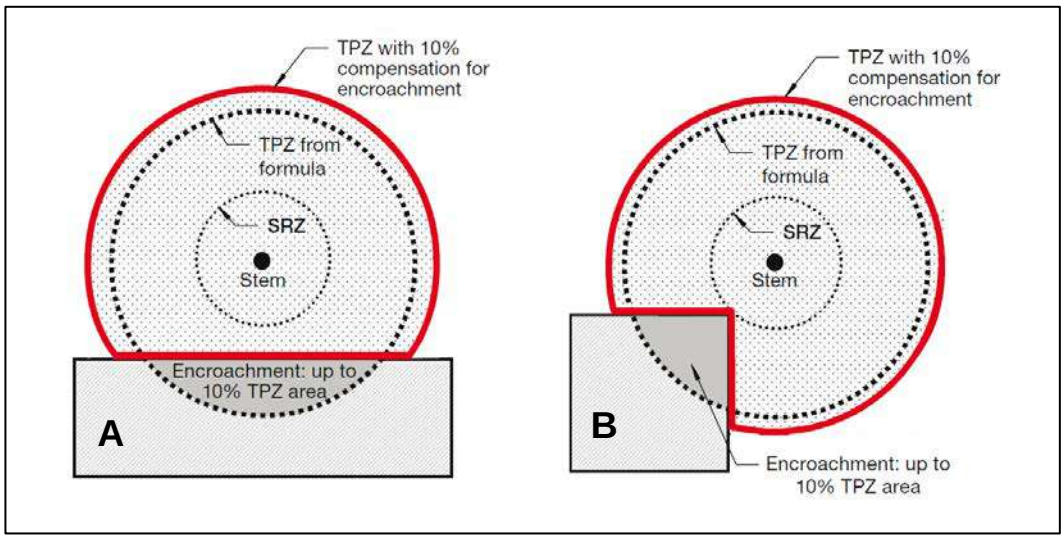


Figure 3: *A & B denote examples of minor encroachment into a TPZ.*
Extract from: AS4970-2009, Appendix D, pg. 30 of 32.

6.4 The Structural Root Zone (SRZ) provided for each tree has been calculated using the method provided in AS4970. The SRZ is the area close to the trunk in which the larger woody roots required for tree stability are found. These roots generally taper rapidly. The SRZ is the minimum area recommended to maintain tree stability but it does not reflect the area required to sustain tree health. In most instances, to avoid compromising tree stability, works will need to be excluded entirely from within the SRZ of trees being retained.

7 Conclusions and recommendations

7.1 Tree Logic was engaged to undertake an arboricultural assessment for trees growing within the residential property at 3 Nortons Lane, Wantirna South VIC 3152 to inform design intent for a new educational facility.

7.2 One hundred and sixteen (116) individual trees and eleven (11) groups were included in the assessment.

7.3 Characteristics such as tree origin, size, age, and condition varied across the population though most trees were well established specimens contributing to the amenity of the area.Tree details are provided in the tree assessment table at Appendix 1 and approximate locations are shown on the plan at Appendix 2.

7.4 The assessed trees were attributed with an arboricultural rating. This rating reflects a combination of a tree's health and structure and conveys an amenity value. Three (3) trees were attributed with a Moderate A rating, sixteen (16) trees were attributed with Moderate B rating, fifty (50) trees were attributed with Moderate C and the remaining eight (8) were of low arboricultural value. All the group features with the exception of Group 7 (Moderate C) were attributed with a low arboricultural value.

7.5 Multiple design plans in sequential stages were provided in August 2025 and revisions issued in October 2025 by MSM and Associates Pty Ltd, for basis of a design review and impact assessment. The plans show the demolition of the existing boundary fencing, structures and landscaping from within the subject site, followed by new construction multiple structures and facilities within the site in two separate stages. Through the evaluation of the plans, it is expected that one hundred and six (106) tree features will be removed through the proposed development process. The remaining twenty-two (22) tree features can be retained with respective tree management recommendations detailed in Section 5 above. Refer to the Appendix 1A and 2A, detailing the impacts and TPZ incursions to the assessed trees

7.6 Retention suitability will be dependent on the proposed landscape setting in which trees are intended to be retained. Tree planning for an educational facility would require careful consideration to balance amenity and aesthetic values with the risk and safety aspects that trees pose for users.

7.7 The site is zoned as Farming Zone and not subject to any tree controls under the planning scheme.

7.8 Tree Protection Zone measures must be implemented prior to commencing any works onsite, including demolition, bulk earthworks, trenching, construction, landscaping activity, delivery and storage of materials or placement of site sheds.

7.9 The tree protection zones for all trees to be retained within the site must be clearly shown on all design drawings and plans with appropriate notations so that all staff and contractors are aware of the responsibility to protect trees throughout the design, development and delivery of the project.

7.10 No details of any proposed changes around trees at the site were provided for review in conjunction with this preliminary assessment. Should changes be considered for the site, the trees' arboricultural ratings and tree protection zones can be used as a guide to the relative value and feasibility of successfully preserving the trees.

Signed

Ethan Lua

Consultant Arborist – Tree Logic (ISA Cert Arb, TRAQ, BEnv(LscapeArch))
ethan.lua@treelogic.com.au

Appendix 1: Tree assessment numbers and details

DBH = diameter at breast height (measured in centimetres at 1.4 m above ground unless otherwise stated). TPZ = tree protection zone (metre radius). SRZ = structural root zone. Radius distances measured in metres from the centre of trunk. ULE = useful life expectancy. For tree locations and numbering refer Appendix 2. See Appendix 3 for tree descriptors. Est. = dimensions estimated.

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
1	*Eucalyptus melliodora*	Yellow Box	Maturing	Indigenous	76,41	20	11	Good	Fair	Mod.A	21 to 40	Deadwood, past branch failure, past powerline clearance. Bifurcation at 1m.	10.4	3.3
2	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	102	16	10	Good	Fair	Mod.A	21 to 40	Past branch failure. Crown in conflict.	12.2	3.4
3	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	8	5	1	Fair	Fair	Low	21 to 40	NA	2	1.5
4	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	9	5	5	Fair	Fair	Low	21 to 40	1m Adjacent to tap point.	2	1.5
5	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	9,8	5	3	Fair	Fair to Poor	Low	11 to 20	Included bark forks.	2	1.5
6	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	9	5	3	Fair to Poor	Fair	Low	21 to 40	Reduced foliage density. Possible shedding.	2	1.5
7	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	11	5	4	Fair to Poor	Fair	Low	21 to 40	Possible shedding.	2	1.5
8	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	9	4	2	Fair to Poor	Fair	Low	11 to 20	Minor dieback. Possible shedding.	2	1.5
9	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	13	7	3	Fair	Fair to Poor	Mod.C	21 to 40	Acute forks.	2	1.5
10	*Eucalyptus viminalis*	Manna Gum	Early-mature	Victorian native	72	16	10	Fair to Poor	Fair to Poor	Mod.C	21 to 40	Deadwood, minor dieback, reduced foliage density, trunk wounds, crown bias- n.	8.6	3
11	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	73	18	7	Fair	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, crown bias-e.	8.8	3.2
12	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	55,13	16	3	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, suppressed.	6.8	2.8
13	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	79,56	18	6	Fair	Fair to Poor	Mod.C	11 to 20	Acute forks, past branch failure, past limb failure, crown bias-w.	11.6	3.4
14	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	69	16	5	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, reduced foliage density, suppressed.	8.3	2.9
15	*Eucalyptus cephalocarpa*	Mealy Stringybark	Maturing	Victorian native	55,50	16	8	Fair to Poor	Fair to Poor	Mod.C	21 to 40	Co-dominant stems, included bark, past branch failure, reduced foliage density.	8.9	3.2
16	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	47	16	6	Fair to Poor	Fair	Low	6 to 10	Past branch failure, tip dieback.	5.6	2.6
17	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	68	16	8	Fair	Fair	Mod.C	11 to 20	Deadwood >50mm.	8.2	2.9
18	*Eucalyptus cephalocarpa*	Mealy Stringybark	Early-mature	Victorian native	50	12	9	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, suppressed, crown bias-e.	6	2.7
19	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	72	18	10	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems.	8.6	3.1
20	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	57	16	8	Poor	Fair	Low	<1	Deadwood >50mm, reduced foliage density.	6.8	2.8
21	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	73	18	9	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Deadwood >50mm, over-extended limbs developing, suppressed, crown bias- n.	8.8	2.9
22	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	75	18	8	Fair	Fair	Mod.B	21 to 40	Crown bias-e.	9	3
23	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	93	20	13	Fair	Fair	Mod.B	21 to 40	Deadwood >50mm, over-extended limbs developing.	11.2	3.4

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
24	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	98	20	21	Fair to Poor	Fair to Poor	Low	6 to 10	Deadwood >50mm, reduced foliage density, tip dieback. Poor pruning. Minor trunk lean - self corrected. 3227.	11.8	3.4
25	*Pinus radiata*	Montery Pine	Maturing	Exotic conifer	92	24	15	Fair	Fair	Mod.B	>40	Deadwood >50mm. Check sp. Pittosporum undulatum in understorey.	11	3.4
26	*Quercus robur*	English Oak	Early-mature	Exotic deciduous	60	7	11	Fair	Fair	Mod.C	21 to 40	Epicormic shoots, exposed roots. Appears to be stunted	7.2	2.7
27	*Eucalyptus melliodora*	Yellow Box	Maturing	Victorian native	70	22	13	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, epicormic shoots, reduced foliage density, tip dieback.	8.4	3.1
28	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	77	28	11	Fair	Fair	Mod.B	21 to 40	Deadwood >50mm, crown bias-e.	9.2	3.2
29	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	62	28	11	Fair	Fair	Mod.B	>40	Deadwood >50mm, crown bias-sw. Slight trunk lean to south	7.4	2.8
30	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	79	32	11	Fair	Fair to Poor	Mod.C	>40	Co-dominant stems, deadwood >50mm, over-extended limbs developing.	9.5	3.1
31	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	74	28	10	Fair	Fair	Mod.B	>40	Deadwood >50mm, crown bias-e.	8.9	3.1
32	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	74	28	8	Fair to Poor	Fair	Mod.C	6 to 10	Deadwood >50mm, reduced foliage density, crown bias-ne.	8.9	3
33	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	59	28	9	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, hangers.	7.1	2.8
34	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	77	28	13	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, ivy on trunk.	9.2	3.1
35	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	66	28	8	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	7.9	2.9
36	*Cedrus deodara*	Deodar	Early-mature	Exotic conifer	38	22	8	Fair to Poor	Fair	Mod.C	21 to 40	Ivy on trunk, reduced foliage density, vine infested.	4.6	2.4
37	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	64,56	26	19	Fair	Fair to Poor	Mod.B	>40	Co-dominant stems, deadwood >50mm. Co-dom to south suppressed, co-dom to south on neighbouring property	10.2	3.3
38	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	130	28	15	Fair	Fair to Poor	Mod.C	>40	Basal decay, basal wounds, deadwood >50mm, over-extended limbs developing. To sth	15	3.9
39	*Eucalyptus melliodora*	Yellow Box	Early-mature	Victorian native	40	18	7	Poor	Fair	Low	1 to 5	Deadwood >50mm, epicormic shoots, reduced foliage density, suppressed.	4.8	2.4
40	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	25	16	5	Fair	Fair	Mod.B	>40	Minor trunk kink	3	2.1
41	*Pittosporum undulatum*	Sweet Pittosporum	Early-mature	Victorian native	17	8	6	Fair	Fair to Poor	Low	21 to 40	Basal decay, basal wounds, epicormic shoots, Environmental Weed	2	1.8
42	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	72	28	10	Fair	Fair	Mod.C	>40	Deadwood >50mm.	8.6	3
43	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	88	28	13	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, crown bias-s.	10.6	3.3
44	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	96	28	9	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems. Prev stem removal	11.5	3.3
45	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	80,75	20	23	Fair	Fair to Poor	Mod.B	>40	Co-dominant stems, deadwood >50mm, habitat hollows, neighbour's tree. Sth co-dom suppressed	13.2	3.8
46	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	93	16	9	Fair	Fair	Mod.B	>40	Deadwood >50mm.	11.2	3.2
47	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	44	16	9	Fair	Poor	Low	6 to 10	Deadwood, over-extended limbs developing, past limb failure, partly suppressed - crown bias, crown bias-sw. Possibly previously lopped	5.3	2.5
48	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	41	14	9	Fair	Poor	Low	6 to 10	Deadwood, exposed roots, mower damage to surface roots. Possibly previously lopped	4.9	2.4
49	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	54	22	10	Fair	Fair	Mod.B	>40	Crown bias- n.	6.5	2.7
50	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	44	20	8	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems.	5.3	2.6
51	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	74	28	9	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems, deadwood >50mm.	8.9	3
52	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	52	28	9	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	6.2	2.7

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
53	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	74	28	9	Fair	Fair to Poor	Mod.C	21 to 40	Acute forks, co-dominant stems, included bark. Cabled- last inspection unknown	8.9	3
54	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	42	26	5	Fair	Fair	Mod.C	11 to 20	Kinked trunk - self corrected	5	2.5
55	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	88	32	13	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	10.6	3.3
56	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	58	26	9	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, partly suppressed - crown bias. Minor trunk lean to southeast	7	2.7
57	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	62	24	11	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7.4	2.9
58	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	62	26	10	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7.4	2.8
59	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	63	28	8	Fair	Poor	Low	11 to 20	Acute forks, co-dominant stems, included bark.	7.6	2.8
60	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	76	26	10	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	9.1	3.1
61	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Early-mature	Exotic conifer	34	20	6	Fair	Fair	Mod.B	>40	NA	4.1	2.3
62	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Early-mature	Exotic conifer	28	14	4	Fair	Fair to Poor	Mod.C	11 to 20	Acute forks, partly suppressed - crown bias.	3.4	2.1
63	*Brachychiton populneus*	Kurrajong	Semi-mature	Victorian native	14	7	3	Fair	Fair to Poor	Low	11 to 20	Suppressed, crown bias-w. Bowed at base	2	1.7
64	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Early-mature	Exotic evergreen	13,12,10	6	5	Fair	Fair to Poor	Low	11 to 20	Borers, deadwood >50mm, exposed roots.	2.4	2.1
65	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Early-mature	Exotic evergreen	12	5	5	Fair	Fair to Poor	Low	1 to 5	Basal decay, basal wounds, borers, deadwood >50mm.	2	1.6
66	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Early-mature	Exotic evergreen	9,8,6	3	5	Fair	Fair to Poor	Low	1 to 5	Borers, decay, epicormic shoots, limb wounds.	2	1.7
67	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	59	16	9	Fair	Fair to Poor	Mod.C	21 to 40	Hangers, mower damage to surface roots, past branch failure, suppressed, crown bias-w.	7.1	2.8
68	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	62	28	9	Fair	Fair	Mod.C	>40	Co-dominant stems, deadwood >50mm, girdling root.	7.4	2.8
69	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	65	28	10	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	7.8	2.9
70	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	43	26	7	Fair	Fair to Poor	Low	11 to 20	Acute forks, co-dominant stems, deadwood >50mm, included bark.	5.2	2.4
71	*Pinus radiata*	Monterey Pine	Semi-mature	Exotic conifer	24	22	3	Poor	Fair to Poor	Low	1 to 5	Poor taper, reduced foliage density, poor stem/height ratio.	2.9	2
72	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	47	22	7	Fair	Fair to Poor	Low	6 to 10	Co-dominant stems, deadwood >50mm, leaning trunk.	5.6	2.5
73	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	49	22	10	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm. Minor trunk lean, limb competing for dominance	5.9	2.6
74	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	56	24	9	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	6.7	2.7
75	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	43	24	6	Fair	Fair to Poor	Mod.C	11 to 20	Co-dominant stems, deadwood >50mm, included bark.	5.2	2.5
76	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	56	26	8	Fair	Fair	Mod.C	>40	Deadwood >50mm.	6.7	2.7
77	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	57	26	9	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm, past branch failure.	6.8	2.7
78	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	69	26	10	Fair	Fair to Poor	Mod.C	11 to 20	Deadwood >50mm, leaning trunk, mower damage to surface roots.	8.3	3
79	*Pinus radiata*	Monterey Pine	Semi-mature	Exotic conifer	19	12	3	Fair	Fair	Mod.C	>40	NA	2.3	1.9
80	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	51	26	9	Fair	Fair to Poor	Low	11 to 20	Acute forks, co-dominant stems, deadwood >50mm, included bark.	6.1	2.7
81	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	69	26	9	Fair	Poor	Low	6 to 10	Co-dominant stems, deadwood >50mm, included bark, mower damage to surface roots.	8.3	2.9

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
82	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	61	26	8	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	7.3	2.7
83	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	35	22	5	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm, poor stem/height ratio.	4.2	2.3
84	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	79	28	13	Fair	Fair	Mod.B	>40	Deadwood >50mm.	9.5	3.2
85	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	46	26	7	Fair to Poor	Poor	Low	6 to 10	Acute forks, co-dominant stems, included bark, reduced foliage density.	5.5	2.5
86	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	58	26	11	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7	2.7
87	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	46	26	7	Fair	Fair	Mod.C	>40	Deadwood >50mm.	5.5	2.5
88	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	69	26	10	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, mower damage to surface roots, reduced foliage density, tip dieback, crown bias-ne.	8.3	2.9
89	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	71	26	10	Fair	Fair	Mod.B	>40	Deadwood >50mm, hangers.	8.5	3
90	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	84	14	15	Fair	Fair to Poor	Mod.C	>40	Acute forks, included bark, mower damage to surface roots. Minor tip dieback	10.1	3.2
91	*Eucalyptus cephalocarpa*	Mealy Stringybark	Maturing	Australian native	55,48	12	10	Fair	Fair to Poor	Low	11 to 20	Bracket fungi, co-dominant stems, trunk wounds. Sp ?.	8.8	3.1
92	*Eriobotrya japonica*	Loquat	Early-mature	Exotic evergreen	14	3	7	Fair	Fair	Low	11 to 20	NA	2	1.8
93	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	75	20	13	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, exposed roots, mower damage to surface roots, reduced foliage density.	9	3
94	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	63	26	10	Fair	Fair to Poor	Low	6 to 10	Deadwood >50mm, exposed roots, girdling root, mower damage to surface roots. Kinked trunk.	7.6	2.9
95	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	74	20	11	Fair	Fair to Poor	Mod.C	21 to 40	Exposed roots, over-extended limbs developing, suppressed, crown bias- n.	8.9	3.1
96	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	45	26	6	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm.	5.4	2.5
97	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	50	26	9	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	6	2.6
98	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	31	24	7	Fair to Poor	Fair to Poor	Low	6 to 10	Deadwood >50mm, poor stem/height ratio. Self-corrected trunk lean	3.7	2.3
99	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	42	24	6	Fair	Fair to Poor	Low	6 to 10	Deadwood >50mm. Bowed trunk -self corrected	5	2.4
100	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	27	12	6	Fair	Fair	Low	6 to 10	Deadwood, suppressed. Bowed trunk self-corrected	3.2	2.1
101	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	63	26	10	Fair	Fair	Mod.B	>40	Deadwood >50mm.	7.6	2.9
102	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	65	28	13	Fair	Fair to Poor	Mod.C	>40	Partly suppressed - crown bias, crown bias-ne. Bowed trunk self corrected	7.8	2.9
103	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	28	9	7	Fair	Fair to Poor	Low	6 to 10	Over-extended limbs developing, suppressed.	3.4	2.1
104	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	91	28	17	Fair	Fair	Mod.B	>40	Deadwood >50mm, exposed roots, mower damage to surface roots.	10.9	3.3
105	*Eucalyptus radiata*	Narrow-leaved Peppermint	Early-mature	Victorian native	22,17,12,12	7	10	Fair	Poor	Low	6 to 10	Suppressed, crown bias- n.	3.9	2.4
106	*Acacia elata*	Cedar Wattle	Maturing	Australian native	38,28	14	8	Fair	Poor	Low	6 to 10	Borers, co-dominant stems, past branch failure, past limb failure. Delaminating bark, trunk exudation	5.7	2.9
107	*Arbutus unedo*	Irish Strawberry Tree	Early-mature	Exotic evergreen	14,12,12,12, 12	6	8	Fair	Fair to Poor	Low	11 to 20	Multi-stemmed at base.	3.3	2.5
108	*Photinia serratifolia*	Chinese Hawthorn	Maturing	Exotic evergreen	33,25,20,18	7	9	Fair	Fair to Poor	Mod.C	11 to 20	Co-dominant stems, included bark, multi-stemmed.	5.9	2.5
109	*Eucalyptus mannifera*	Brittle Gum	Maturing	Australian native	140	14	17	Good	Fair	Mod.A	>40	Deadwood >50mm, past branch failure.	15	3.8
110	*Tristaniopsis laurina*	Kanooka	Early-mature	Australian native	14,12,12,10, 10	5	7	Fair	Fair to Poor	Low	6 to 10	Multi-stemmed at base, suppressed.	3.1	2.4

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
111	*Syzygium sp.*	Lilly Pilly	Early-mature	Australian native	9,9,9,8,8	6	6	Fair	Poor	Low	1 to 5	Multi-stemmed at base, suppressed.	2	1.8
112	*Schinus areira*	Peppercorn Tree	Semi-mature	Exotic evergreen	13,12,7	5	7	Fair	Fair to Poor	Low	>40	NA	2.1	2
113	*Eucalyptus melliodora*	Yellow Box	Semi-mature	Victorian native	7,7	3	3	Fair	Fair to Poor	Low	>40	NA	2	1.5
114	*Pittosporum undulatum*	Sweet Pittosporum	Early-mature	Victorian native	20	6	8	Fair	Fair	Low	11 to 20	Environmental Weed	2.4	2
115	*Photinia serratifolia*	Chinese Hawthorn	Early-mature	Exotic evergreen	5,5,5,5	5	9	Fair	Poor	Low	11 to 20	Multi-stemmed at base.	2	2.1
116	*Acer palmatum*	Japanese Maple	Semi-mature	Exotic deciduous	6,4,4,4	3	6	Fair	Fair	Low	21 to 40	NA	2	1.7
117	*Acacia implexa*	Lightwood	Semi-mature	Victorian native	20,18,15	7	5	Fair	Fair to Poor	Low	11 to 20	NA	3.7	2.1
G1	*Syzygium sp.;Waterhousea floribunda*	Lilly Pilly;Weeping Lilly Pilly	Young	Australian native;Australian native	2	1	1	Fair	Fair	Low	21 to 40	6 Stems	2	1.5
G2	*Citrus sp.;Ficus carica;Macadamia tetraphylla;Malus sp.;Prunus sp.;Punica granatum*	Citrus Tree;Common Fig;Macadamia Nut;Apple;Almond, Cherry, Peach, Plum	Early-mature	Exotic evergreen;Exotic deciduous;Australian native;Exotic deciduous;Exotic deciduous	10	2	3	Fair to Poor	Fair to Poor	Low	6 to 10	14 Stems	2	1.5
G3	*Betula pendula;Camellia japonica;Ligustrum sp.;Malus sp.*	Silver Birch;Camellia;Privet;Apple	Semi-mature	Exotic deciduous;Exotic evergreen;Exotic evergreen;Exotic deciduous	8	4	5	Good	Fair	Low	11 to 20	14 Stems, Amenity shrubs.	2	1.5
G4	*Fraxinus angustifolia;Photinia serratifolia*	Narrow-leaved Ash;Chinese Hawthorn	Early-mature	Exotic deciduous;Exotic evergreen	10	5	4	Fair	Fair	Low	11 to 20	8 Stems, Amenity hedge.	2	1.5
G5	*Arbutus sp.;Bambusa sp.;Camellia japonica;Dicksonia antarctica;Fagus sylvatica;Viburnum tinus*	Strawberry Tree;Bamboo;Camellia;Soft Tree Fern;European Beech	Semi-mature	Exotic evergreen;Exotic grass;Exotic evergreen;Victorian native;Exotic deciduous	7	4	4	Fair	Fair	Low	11 to 20	20 stems	2	1.5
G6	*Camellia japonica;Olea europaea;Pittosporum eugenioides 'Variegatum'*	Camellia;Olive;Variegated Tarata	Semi-mature	Exotic evergreen;Exotic evergreen;Exotic evergreen	10	4	5	Fair to Poor	Fair	Low	11 to 20	8 stems, Amenity shrubs.	2	1.5
G7	*Cupressus lusitanica*	Mexican Cypress	Early-mature	Exotic conifer	10	12	4	Fair	Fair	Mod.C	11 to 20	16 stems. Windrow hedge.	4.2	2.4

Tree ID	Species	Common Name	Age Class	Origin	DBH (cm)	Height (m)	Width (m)	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius
G8	*Cupressus lusitanica*	Mexican Cypress	Early-mature	Exotic conifer	10	12	4	Fair to Poor	Fair to Poor	Low	11 to 20	12 stems. Past branch failure, past limb failure.	3	2.3
G9	*Diospyros kaki;Eriobotrya japonica;Ficus carica;Malus sp.;Pittosporum undulatum;Prunus sp.*	Persimmon;Loquat;Common Fig;Apple;Sweet Pittosporum	Semi-mature	Exotic deciduous; Exotic evergreen;Exotic deciduous; Exotic deciduous; Victorian native	35	3	4	Fair to Poor	Fair	Low	11 to 20	17 stems. Fruit trees amenity planted,.	2	1.5
G10	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Semi-mature	Exotic evergreen	25	4	4	Fair	Fair to Poor	Low	11 to 20	16 stems. Amenity hedge.	2	1.5
G11	*Juniperus sp.;Viburnum sp.*	Juniper;Wayfaring Tree	Semi-mature	Exotic conifer;Exotic deciduous	8	4	5	Fair	Fair	Low	11 to 20	8 stems	2	1.5

Appendix 1A: Tree Encroachment Impacts

TPZ = tree protection zone (metre radius). SRZ = structural root zone. Radius distances measured in metres from the centre of trunk. ULE = useful life expectancy. For tree locations and numbering refer Appendix 2. See Appendix 3 for tree descriptors. Est. = dimensions estimated.

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - incursion percentages	Encroachment Type	Stages Involved	Tree Impact
1	*Eucalyptus melliodora*	Yellow Box	Maturing	Indigenous	Good	Fair	Mod.A	21 to 40	Deadwood, past branch failure, past powerline clearance. Bifurcation at 1m.	10.4	3.3	Soccer Field - 5.41%	TPZ	Demolition, Stg 1	Retain (TPZ fencing, Tree sympathetic construction methods)
2	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Good	Fair	Mod.A	21 to 40	Past branch failure. Crown in conflict.	12.2	3.4	Carpark - 0.02%,Pathway - 0.21%	TPZ	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
3	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	Fair	Fair	Low	21 to 40	NA	2	1.5	Carpark - 73.22%,Pathway - 26.03%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
4	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	Fair	Fair	Low	21 to 40	1m Adjacent to tap point.	2	1.5	Carpark - 100.01%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
5	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	Fair	Fair to Poor	Low	11 to 20	Included bark forks.	2	1.5	Carpark - 100.01%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
6	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	Fair to Poor	Fair	Low	21 to 40	Reduced foliage density. Possible shedding.	2	1.5	Carpark - 100.01%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
7	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	Fair to Poor	Fair	Low	21 to 40	Possible shedding.	2	1.5	Carpark - 100.01%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
8	*Acer rubrum*	Red Maple	Semi-mature	Exotic deciduous	Fair to Poor	Fair	Low	11 to 20	Minor dieback. Possible shedding.	2	1.5	Carpark - 99.51%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
9	*Liquidambar orientalis*	Oriental Sweet Gum	Semi-mature	Exotic deciduous	Fair	Fair to Poor	Mod.C	21 to 40	Acute forks.	2	1.5	Carpark - 100.01%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
10	*Eucalyptus viminalis*	Manna Gum	Early-mature	Victorian native	Fair to Poor	Fair to Poor	Mod.C	21 to 40	Deadwood, minor dieback, reduced foliage density, trunk wounds, crown bias- n.	8.6	3	Carpark - 24.82%,Pathway - 1.25%	TPZ_>10%	Demolition, Stg 1	Marked for removal on proposed plans
11	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, crown bias-e.	8.8	3.2	Carpark - 43.34%,Pathway - 6.73%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
12	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, suppressed.	6.8	2.8	Carpark - 46.68%,Pathway - 11.51%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
13	*Cupressus macrocarpa*	Monterey Cypress	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	11 to 20	Acute forks, past branch failure, past limb failure, crown bias-w.	11.6	3.4	Carpark - 50.54%,Pathway - 6.19%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
14	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, past limb failure, reduced foliage density, suppressed.	8.3	2.9	Carpark - 59.29%,Pathway - 9.17%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - Incursion percentages	Encroachment Type	Stages Involved	Tree Impact
15	*Eucalyptus cephalocarpa*	Mealy Stringybark	Maturing	Victorian native	Fair to Poor	Fair to Poor	Mod.C	21 to 40	Co-dominant stems, included bark, past branch failure, reduced foliage density.	8.9	3.2	Carpark - 49.82%,Pathway - 8.72%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
16	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair	Low	6 to 10	Past branch failure, tip dieback.	5.6	2.6	Carpark - 66.85%,Pathway - 12.84%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
17	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	11 to 20	Deadwood >50mm.	8.2	2.9	Carpark - 72.44%,Pathway - 8.52%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
18	*Eucalyptus cephalocarpa*	Mealy Stringybark	Early-mature	Victorian native	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Past branch failure, suppressed, crown bias-e.	6	2.7	Carpark - 45.78%,Pathway - 12.9%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
19	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems.	8.6	3.1	Carpark - 44.08%,Pathway - 8.98%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
20	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Poor	Fair	Low	<1	Deadwood >50mm, reduced foliage density.	6.8	2.8	Carpark - 45.26%,Pathway - 11.3%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
21	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair to Poor	Mod.C	11 to 20	Deadwood >50mm, over-extended limbs developing, suppressed, crown bias- n.	8.8	2.9	Carpark - 70.58%,Pathway - 9.38% / (Non-Contiguous	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
22	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	21 to 40	Crown bias-e.	9	3	Carpark - 45.45%,Pathway - 17.89%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
23	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	21 to 40	Deadwood >50mm, over-extended limbs developing.	11.2	3.4	Carpark - 43.56%,Pathway - 16.38%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
24	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair to Poor	Low	6 to 10	Deadwood >50mm, reduced foliage density, tip dieback. Poor pruning. Minor trunk lean - self corrected. 3227.	11.8	3.4	Carpark - 77.96%,Pathway - 5.21%,Pathway - 5.1%,Refuse Area - 1.69%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
25	*Pinus radiata*	Montery Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm. Check sp. Pittosporum undulatum in understorey.	11	3.4	Carpark - 13.74%,Pathway - 1.21%,Pathway - 4.95%,Refuse Area - 25.18%	SRZ	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
26	*Quercus robur*	English Oak	Early-mature	Exotic deciduous	Fair	Fair	Mod.C	21 to 40	Epicormic shoots, exposed roots. Appears to be stunted	7.2	2.7	Refuse Area - 74.31%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
27	*Eucalyptus melliodora*	Yellow Box	Maturing	Victorian native	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, epicormic shoots, reduced foliage density, tip dieback.	8.4	3.1	Asphalt Pathway - 38.28%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
28	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	21 to 40	Deadwood >50mm, crown bias-e.	9.2	3.2	Asphalt Pathway - 87.7%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - Incursion percentages	Encroachment Type	Stages Involved	Tree Impact
29	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm, crown bias-sw. Slight trunk lean to south	7.4	2.8	Asphalt Pathway - 86.2%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
30	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	>40	Co-dominant stems, deadwood >50mm, over-extended limbs developing.	9.5	3.1	Asphalt Pathway - 94.54%,Stage 2 Building - 5.06%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
31	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm, crown bias-e.	8.9	3.1	Asphalt Pathway - 96.85%,Stage 2 Building - 3.09%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
32	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair	Mod.C	6 to 10	Deadwood >50mm, reduced foliage density, crown bias-ne.	8.9	3	Asphalt Pathway - 54.71%,Stage 2 Building - 45.13%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
33	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, hangers.	7.1	2.8	Asphalt Pathway - 42.86%,Stage 2 Building - 57.28%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
34	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, ivy on trunk.	9.2	3.1	Asphalt Pathway - 26.89%	TPZ_>10%	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
35	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	7.9	2.9	Asphalt Pathway - 30.07%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
36	*Cedrus deodara*	Deodar	Early-mature	Exotic conifer	Fair to Poor	Fair	Mod.C	21 to 40	Ivy on trunk, reduced foliage density, vine infested.	4.6	2.4	Asphalt Pathway - 71.86%	Within	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
37	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	Fair	Fair to Poor	Mod.B	>40	Co-dominant stems, deadwood >50mm. Co-dom to south suppressed, co-dom to south on neighbouring property	10.2	3.3	Asphalt Pathway - 25.69%	TPZ_>10%	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
38	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	Fair	Fair to Poor	Mod.C	>40	Basal decay, basal wounds, deadwood >50mm, over-extended limbs developing. To sth	15	3.9	Asphalt Pathway - 21.36%	TPZ_>10%	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
39	*Eucalyptus melliodora*	Yellow Box	Early-mature	Victorian native	Poor	Fair	Low	1 to 5	Deadwood >50mm, epicormic shoots, reduced foliage density, suppressed.	4.8	2.4	Asphalt Pathway - 28.19%	SRZ	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
40	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	Fair	Fair	Mod.B	>40	Minor trunk kink	3	2.1	Asphalt Pathway - 100.01%	Within	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group

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41	*Pittosporum undulatum*	Sweet Pittosporum	Early-mature	Victorian native	Fair	Fair to Poor	Low	21 to 40	Basal decay, basal wounds, epicormic shoots, Environmental Weed	2	1.8	Asphalt Pathway - 100.01%	Within	Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
42	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	8.6	3	Asphalt Pathway - 36.09%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
43	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, crown bias-s.	10.6	3.3	Asphalt Pathway - 15.29%	TPZ_>10%	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
44	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems. Prev stem removal	11.5	3.3	Asphalt Pathway - 5.93%	TPZ	Demolition, Stg 2	Retain (TPZ fencing, Tree sympathetic construction methods)
45	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	Fair	Fair to Poor	Mod.B	>40	Co-dominant stems, deadwood >50mm, habitat hollows, neighbour's tree. Sth co-dom suppressed	13.2	3.8	NA	NA	Demolition, Stg 2	Retain
46	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm.	11.2	3.2	NA	NA	Demolition, Stg 2	Retain
47	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	Fair	Poor	Low	6 to 10	Deadwood, over-extended limbs developing, past limb failure, partly suppressed - crown bias, crown bias-sw. Possibly previously lopped	5.3	2.5	NA	NA	Demolition, Stg 2	Recommeded for removal, Poor specimen
48	*Grevillea robusta*	Silky Oak	Early-mature	Australian native	Fair	Poor	Low	6 to 10	Deadwood, exposed roots, mower damage to surface roots. Possibly previously lopped	4.9	2.4	NA	NA	Demolition, Stg 2	Recommeded for removal, Poor specimen
49	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Crown bias- n.	6.5	2.7	Asphalt Pathway - 26.22%,Asphalt Paving - 2.62%	SRZ	Demolition, Stg 2	Not expected to survive works
50	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems.	5.3	2.6	Asphalt Pathway - 68.51%,Stage 2 Building - 31.08%	Within	Demolition, Stg 2	Not expected to survive works
51	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Co-dominant stems, deadwood >50mm.	8.9	3	Asphalt Pathway - 21.09%,Asphalt Paving - 3.1%,Stage 2 Building - 75.34%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
52	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	6.2	2.7	Asphalt Pathway - 15.18%,Asphalt Paving - 20.24%,Stage 2 Building - 64.04%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works

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53	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Acute forks, co-dominant stems, included bark. Cabled- last inspection unknown	8.9	3	Asphalt Pathway - 5.34%,Asphalt Paving - 14.19%,Stage 2 Building - 79.96%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
54	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair	Mod.C	11 to 20	Kinked trunk - self corrected	5	2.5	Asphalt Pathway - 19.97%,Asphalt Paving - 56.4%,Stage 2 Building - 23.08%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
55	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	10.6	3.3	Asphalt Pathway - 5.95%,Asphalt Paving - 43.96%,Landscaping - 5.18%,Stage 2 Building - 15.11%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
56	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Deadwood >50mm, partly suppressed - crown bias. Minor trunk lean to southeast	7	2.7	Asphalt Paving - 75.8%,Landscaping - 11.82%,Stage 2 Building - 8.15%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
57	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7.4	2.9	Asphalt Paving - 50.31%,Stage 2 Building - 49.02%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
58	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7.4	2.8	Asphalt Paving - 69.61%,Landscaping - 23.4%,Stage 2 Building - 6.48%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
59	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Poor	Low	11 to 20	Acute forks, co-dominant stems, included bark.	7.6	2.8	Asphalt Paving - 49.09%,Landscaping - 35.38%,Stage 2 Building - 0.01%	Within	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
60	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	9.1	3.1	Asphalt Paving - 12.6%,Landscaping - 25.21%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, not expected to survive works
61	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Early-mature	Exotic conifer	Fair	Fair	Mod.B	>40	NA	4.1	2.3	NA	NA	Demolition, Stg 2	Retain
62	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Early-mature	Exotic conifer	Fair	Fair to Poor	Mod.C	11 to 20	Acute forks, partly suppressed - crown bias.	3.4	2.1	NA	NA	Demolition, Stg 2	Retain
63	*Brachychiton populneus*	Kurrajong	Semi-mature	Victorian native	Fair	Fair to Poor	Low	11 to 20	Suppressed, crown bias-w. Bowed at base	2	1.7	NA	NA	Demolition, Stg 2	Retain
64	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Early-mature	Exotic evergreen	Fair	Fair to Poor	Low	11 to 20	Borers, deadwood >50mm, exposed roots.	2.4	2.1	NA	NA	Demolition, Stg 2	Recommeded for removal, Poor specimen
65	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Early-mature	Exotic evergreen	Fair	Fair to Poor	Low	1 to 5	Basal decay, basal wounds, borers, deadwood >50mm.	2	1.6	NA	NA	Demolition, Stg 2	Recommeded for removal, Poor specimen
66	*Pittosporum eugenioides* 'Variegatum'	Variegated Tarata	Early-mature	Exotic evergreen	Fair	Fair to Poor	Low	1 to 5	Borers, decay, epicormic shoots, limb wounds.	2	1.7	NA	NA	Demolition, Stg 2	Recommeded for removal, Poor specimen

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67	*Cupressus sempervirens 'Swanes Golden'*	Swane's Golden Pencil Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Hangers, mower damage to surface roots, past branch failure, suppressed, crown bias-w.	7.1	2.8	NA	NA	Demolition, Stg 2	Retain
68	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Co-dominant stems, deadwood >50mm, girdling root.	7.4	2.8	Landscaping - 5.77%	TPZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
69	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	7.8	2.9	Asphalt Paving - 1.45%,Landscaping - 51.51%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
70	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	11 to 20	Acute forks, co-dominant stems, deadwood >50mm, included bark.	5.2	2.4	Asphalt Paving - 8.83%,Landscaping - 90.85%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
71	*Pinus radiata*	Monterey Pine	Semi-mature	Exotic conifer	Poor	Fair to Poor	Low	1 to 5	Poor taper, reduced foliage density, poor stem/height ratio.	2.9	2	Asphalt Paving - 54.37%,Landscaping - 44.33%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
72	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	6 to 10	Co-dominant stems, deadwood >50mm, leaning trunk.	5.6	2.5	Asphalt Paving - 97.92%,Landscaping - 0.03%,Stage 2 Building - 1.65%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
73	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm. Minor trunk lean, limb competing for dominance	5.9	2.6	Asphalt Paving - 61.78%,Landscaping - 37.46%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
74	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm, mower damage to surface roots.	6.7	2.7	Asphalt Paving - 78.97%,Landscaping - 20.71%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
75	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	11 to 20	Co-dominant stems, deadwood >50mm, included bark.	5.2	2.5	Asphalt Paving - 20.6%,Landscaping - 72.73%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
76	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	6.7	2.7	Asphalt Paving - 27.94%,Landscaping - 66.33%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
77	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm, past branch failure.	6.8	2.7	Asphalt Paving - 3.27%,Landscaping - 59.79%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
78	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	11 to 20	Deadwood >50mm, leaning trunk, mower damage to surface roots.	8.3	3	Landscaping - 59.1%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
79	*Pinus radiata*	Monterey Pine	Semi-mature	Exotic conifer	Fair	Fair	Mod.C	>40	NA	2.3	1.9	Landscaping - 100.01%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group

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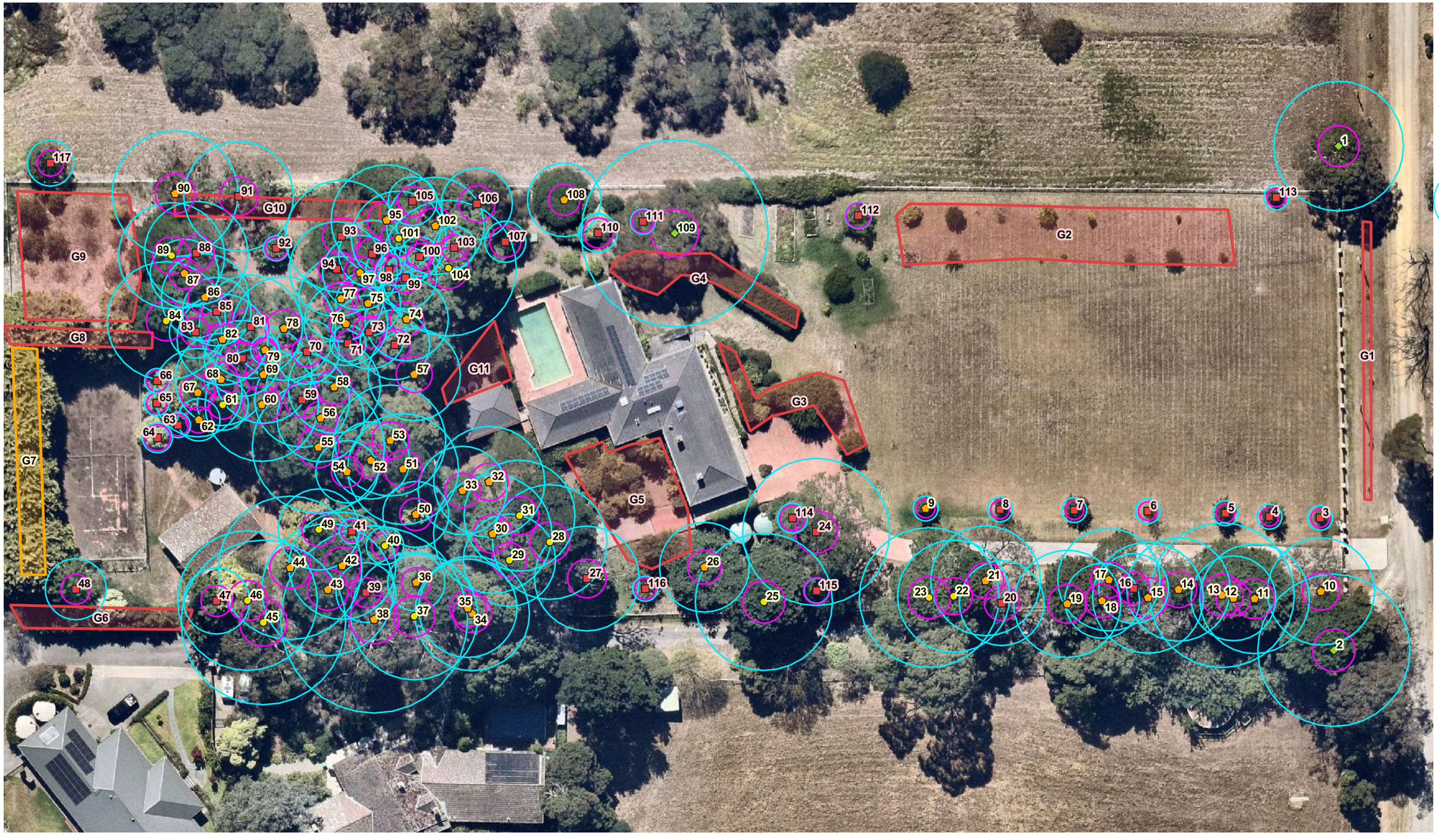
80	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	11 to 20	Acute forks, co-dominant stems, deadwood >50mm, included bark.	6.1	2.7	Landscaping - 29.96%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
81	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Poor	Low	6 to 10	Co-dominant stems, deadwood >50mm, included bark, mower damage to surface roots.	8.3	2.9	Landscaping - 28.42%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
82	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	7.3	2.7	Landscaping - 10.04%	TPZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
83	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm, poor stem/height ratio.	4.2	2.3	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
84	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm.	9.5	3.2	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
85	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Poor	Low	6 to 10	Acute forks, co-dominant stems, included bark, reduced foliage density.	5.5	2.5	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
86	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	7	2.7	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
87	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	>40	Deadwood >50mm.	5.5	2.5	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
88	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, mower damage to surface roots, reduced foliage density, tip dieback, crown bias-ne.	8.3	2.9	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
89	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm, hangers.	8.5	3	NA	NA	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
90	*Eucalyptus viminalis*	Manna Gum	Maturing	Victorian native	Fair	Fair to Poor	Mod.C	>40	Acute forks, included bark, mower damage to surface roots. Minor tip dieback	10.1	3.2	NA	NA	Demolition, Stg 2	Retain
91	*Eucalyptus cephalocarpa*	Mealy Stringybark	Maturing	Australian native	Fair	Fair to Poor	Low	11 to 20	Bracket fungi, co-dominant stems, trunk wounds. Sp ?.	8.8	3.1	NA	NA	Demolition, Stg 2	Retain
92	*Eriobotrya japonica*	Loquat	Early-mature	Exotic evergreen	Fair	Fair	Low	11 to 20	NA	2	1.8	NA	NA	Demolition, Stg 2	Retain

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - Incursion percentages	Encroachment Type	Stages Involved	Tree Impact
93	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair to Poor	Fair	Low	6 to 10	Deadwood >50mm, exposed roots, mower damage to surface roots, reduced foliage density.	9	3	Landscaping - 4.16%	TPZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
94	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Low	6 to 10	Deadwood >50mm, exposed roots, girdling root, mower damage to surface roots. Kinked trunk.	7.6	2.9	Landscaping - 24.71%	TPZ_>10%	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
95	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	21 to 40	Exposed roots, over-extended limbs developing, suppressed, crown bias- n.	8.9	3.1	Landscaping - 8.12%	TPZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
96	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair to Poor	Low	11 to 20	Deadwood >50mm.	5.4	2.5	Landscaping - 19.45%	TPZ_>10%	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
97	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.C	21 to 40	Deadwood >50mm.	6	2.6	Landscaping - 40.27%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
98	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair to Poor	Fair to Poor	Low	6 to 10	Deadwood >50mm, poor stem/height ratio. Self-corrected trunk lean	3.7	2.3	Landscaping - 63.4%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
99	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair to Poor	Low	6 to 10	Deadwood >50mm. Bowed trunk -self corrected	5	2.4	Asphalt Paving - 20.28%,Landscaping - 66.65% / (Non-Contiguous Areas: Landscaping - 33.36%)	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
100	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair	Low	6 to 10	Deadwood, suppressed. Bowed trunk self-corrected	3.2	2.1	Landscaping - 71.26%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
101	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm.	7.6	2.9	Landscaping - 25.45%	TPZ_>10%	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
102	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair to Poor	Mod.C	>40	Partly suppressed crown bias, crown bias-ne. Bowed trunk self corrected	7.8	2.9	Asphalt Paving - 0.44%,Landscaping - 32.36%	SRZ	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
103	*Pinus radiata*	Monterey Pine	Early-mature	Exotic conifer	Fair	Fair to Poor	Low	6 to 10	Over-extended limbs developing, suppressed.	3.4	2.1	Asphalt Paving - 1.35%,Landscaping - 88.58%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
104	*Pinus radiata*	Monterey Pine	Maturing	Exotic conifer	Fair	Fair	Mod.B	>40	Deadwood >50mm, exposed roots, mower damage to surface roots.	10.9	3.3	Asphalt Paving - 45.1%,Landscaping - 32.32%	Within	Demolition, Stg 2	Marked for removal on proposed plans, part of Monterey Pine group
105	*Eucalyptus radiata*	Narrow-leaved Peppermint	Early-mature	Victorian native	Fair	Poor	Low	6 to 10	Suppressed, crown bias- n.	3.9	2.4	NA	NA	Stg 2	Recommeded for removal, Poor specimen

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - Incursion percentages	Encroachment Type	Stages Involved	Tree Impact
106	*Acacia elata*	Cedar Wattle	Maturing	Australian native	Fair	Poor	Low	6 to 10	Borers, co-dominant stems, past branch failure, past limb failure. Delaminating bark, trunk exudation	5.7	2.9	Landscaping - 25.42%	SRZ	Stg 2	Recommeded for removal, Poor specimen
107	*Arbutus unedo*	Irish Strawberry Tree	Early-mature	Exotic evergreen	Fair	Fair to Poor	Low	11 to 20	Multi-stemmed at base.	3.3	2.5	Asphalt Paving - 23.36%,Landscaping - 77.23%	Within	Stg 2	Marked for removal on proposed plans, not expected to survive works
108	*Photinia serratifolia*	Chinese Hawthorn	Maturing	Exotic evergreen	Fair	Fair to Poor	Mod.C	11 to 20	Co-dominant stems, included bark, multi-stemmed.	5.9	2.5	Landscaping - 72.61%	Within	Stg 2	Retain (TPZ fencing, Tree sympathetic construction methods)
109	*Eucalyptus mannifera*	Brittle Gum	Maturing	Australian native	Good	Fair	Mod.A	>40	Deadwood >50mm, past branch failure.	15	3.8	Asphalt Paving - 23.8%,Landscaping - 35.23%,Play Area - 2.09%,Stage 2 Building - 13.75%	Within	Stg 2	Retain (TPZ fencing, Tree sympathetic construction methods)
110	*Tristaniopsis laurina*	Kanooka	Early-mature	Australian native	Fair	Fair to Poor	Low	6 to 10	Multi-stemmed at base, suppressed.	3.1	2.4	Asphalt Paving - 30.82%,Landscaping - 69.24%	Within	Stg 2	Recommeded for removal, Poor specimen
111	*Syzygium sp.*	Lilly Pilly	Early-mature	Australian native	Fair	Poor	Low	1 to 5	Multi-stemmed at base, suppressed.	2	1.8	Landscaping - 100.01%	Within	Stg 2	Recommeded for removal, Poor specimen
112	*Schinus areira*	Peppercorn Tree	Semi-mature	Exotic evergreen	Fair	Fair to Poor	Low	>40	NA	2.1	2	Play Area - 45.17%	SRZ	Stg 2	Marked for removal on proposed plans, not expected to survive works
113	*Eucalyptus melliodora*	Yellow Box	Semi-mature	Victorian native	Fair	Fair to Poor	Low	>40	NA	2	1.5	Soccer Field - 88.46%	Within	Stg 2	Marked for removal on proposed plans, not expected to survive works
114	*Pittosporum undulatum*	Sweet Pittosporum	Early-mature	Victorian native	Fair	Fair	Low	11 to 20	Environmental Weed	2.4	2	Carpark - 99.99%	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
115	*Photinia serratifolia*	Chinese Hawthorn	Early-mature	Exotic evergreen	Fair	Poor	Low	11 to 20	Multi-stemmed at base.	2	2.1	Carpark - 32.23%,Pathway - 63.76%	Within	Demolition, Stg 1	Not expected to survive works
116	*Acer palmatum*	Japanese Maple	Semi-mature	Exotic deciduous	Fair	Fair	Low	21 to 40	NA	2	1.7	Refuse Area - 2.84%	TPZ	NA	Retain
117	*Acacia implexa*	Lightwood	Semi-mature	Victorian native	Fair	Fair to Poor	Low	11 to 20	NA	3.7	2.1	NA	NA	NA	Retain
G1	*Syzygium sp.;Waterhousea floribunda*	Lilly Pilly;Weeping Lilly Pilly	Young	Australian native;Australian native	Fair	Fair	Low	21 to 40	6 Stems, Council Managed	2	1.5	NA	NA	NA	Retain
G2	*Citrus sp.;Ficus carica;Macadamia tetraphylla;Malus sp.;Prunus sp.;Punica granatum*	Citrus Tree;Common Fig;Macadamia Nut;Apple;Almond, Cherry, Peach, Plum	Early-mature	Exotic evergreen;Exotic deciduous;Australian native;Exotic deciduous;Exotic deciduous	Fair to Poor	Fair to Poor	Low	6 to 10	14 Stems	2	1.5	NA	NA	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works

Tree ID	Species	Common Name	Age Class	Origin	Health	Structure	Arb.rating	ULE (years)	Comments	TPZ (m) radius	SRZ (m) radius	Proposed Works - Incursion percentages	Encroachment Type	Stages Involved	Tree Impact
G3	*Betula pendula;Camellia japonica;Ligustrum sp.;Malus sp.*	Silver Birch;Camellia;Privet;Apple	Semi-mature	Exotic deciduous;Exotic evergreen;Exotic evergreen;Exotic deciduous	Good	Fair	Low	11 to 20	14 Stems, Amenity shrubs.	2	1.5	NA	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
G4	*Fraxinus angustifolia;Photinia serratifolia*	Narrow-leaved Ash;Chinese Hawthorn	Early-mature	Exotic deciduous;Exotic evergreen	Fair	Fair	Low	11 to 20	8 Stems, Amenity hedge.	2	1.5	NA	Within	Demolition, Stg 1	Marked for removal on proposed plans, not expected to survive works
G5	*Arbutus sp.;Bambusa sp.;Camellia japonica;Dicksonia antarctica;Fagus sylvatica;Viburnum tinus*	Strawberry Tree;Bamboo;Camellia;Soft Tree Fern;European Beech	Semi-mature	Exotic evergreen;Exotic grass;Exotic evergreen;Victorian native;Exotic deciduous	Fair	Fair	Low	11 to 20	20 stems	2	1.5	Asphalt paving	Within	Stg2	Not expected to survive works
G6	*Camellia japonica;Olea europaea;Pittosporum eugenioides 'Variegatum'*	Camellia;Olive;Variegated Tarata	Semi-mature	Exotic evergreen;Exotic evergreen;Exotic evergreen	Fair to Poor	Fair	Low	11 to 20	8 stems, Amenity shrubs.	2	1.5	NA	NA	NA	Retain
G7	*Cupressus lusitanica*	Mexican Cypress	Early-mature	Exotic conifer	Fair	Fair	Mod.C	11 to 20	16 stems. Windrow hedge.	4.2	2.4	NA	NA	NA	Retain
G8	*Cupressus lusitanica*	Mexican Cypress	Early-mature	Exotic conifer	Fair to Poor	Fair to Poor	Low	11 to 20	12 stems. Past branch failure, past limb failure.	3	2.3	NA	NA	NA	Retain
G9	*Diospyros kaki;Eriobotrya japonica;Ficus carica;Malus sp.;Pittosporum undulatum;Prunus sp.*	Persimmon;Loquat;Common Fig;Apple;Sweet Pittosporum	Semi-mature	Exotic deciduous;Exotic evergreen;Exotic deciduous;Exotic deciduous;Victorian native	Fair to Poor	Fair	Low	11 to 20	17 stems. Fruit trees amenity planted,.	2	1.5	NA	NA	Stg 2	Retain
G10	*Pittosporum eugenioides 'Variegatum'*	Variegated Tarata	Semi-mature	Exotic evergreen	Fair	Fair to Poor	Low	11 to 20	16 stems. Amenity hedge.	2	1.5	NA	NA	NA	Recommeded for removal
G11	*Juniperus sp.;Viburnum sp.*	Juniper;Wayfaring Tree	Semi-mature	Exotic conifer;Exotic deciduous	Fair	Fair	Low	11 to 20	8 stems	2	1.5	Stage 2 Building	Within	Stg 2	Not expected to survive works



LEGEND

Arboricultural Rating

- High
- Moderate
- Mod-A
- Mod-B
- Mod-C
- Low
- Very Low
- No data

Tree Protection Zone
Structural Root Zone

NOTES
Insert comments here

APPENDIX 2
TREE LOCATIONS AND PROTECTION ZONES

PROJECT
03 Nortons Lane, Wantirna South

TL REF.
013990

MAP NO.
1 / 1

CLIENT
MSM Architects

DATE
2025-04-24

DATA SOURCES

TREE LOCATION DISCLAIMER
Tree locations are approximate

COORDINATE REFERENCE SYSTEM
EPSG:28355 | GDA 94 MGA Zone 55

0 10 20m

TREELOGIC PTY LTD
ABN: 95 080 021 610
TEL: 1300 656 926

4 / 21 Eugene Tce
Ringwood, VIC
Australia 3134

Treelogic
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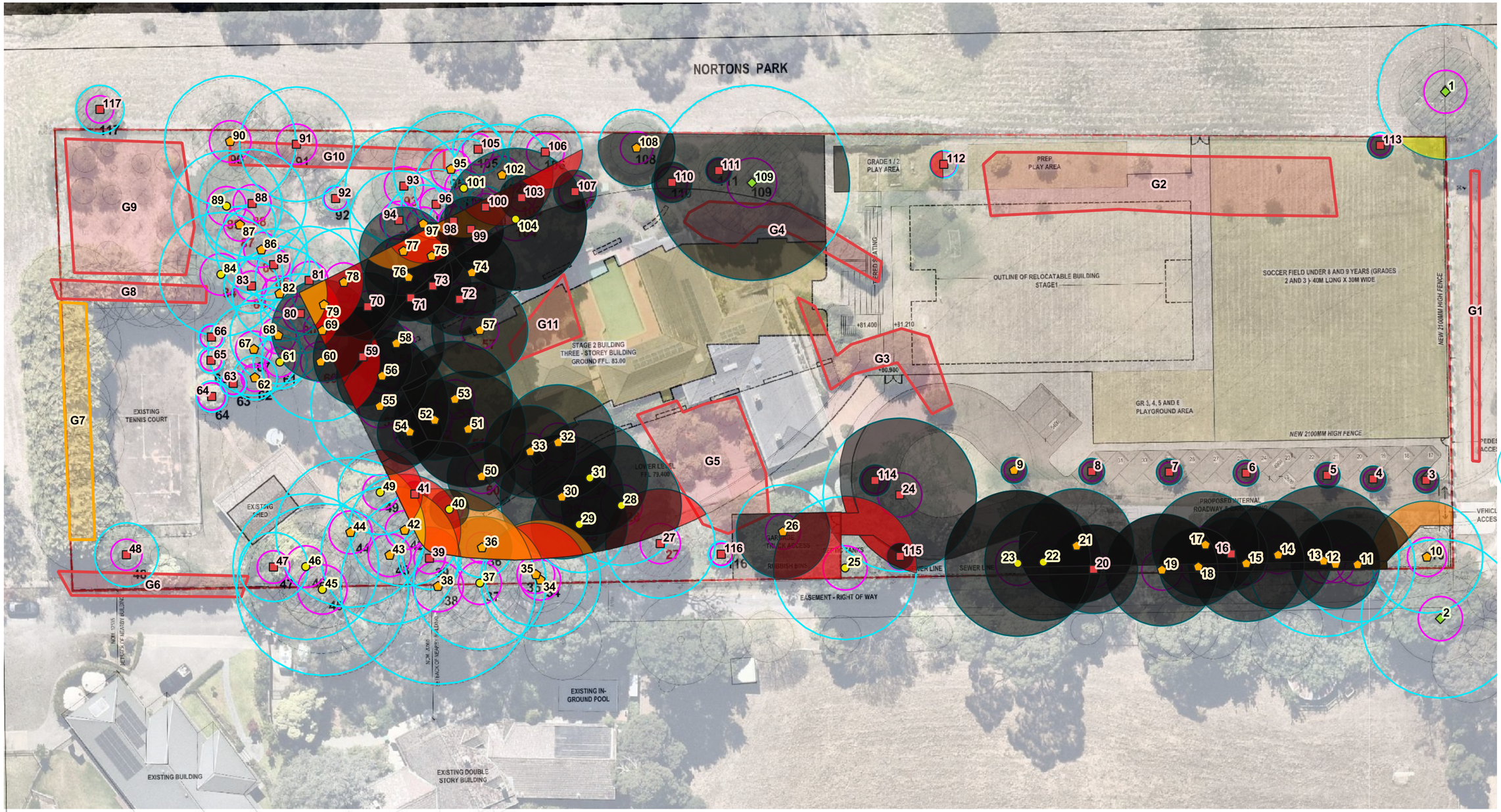


LEGEND

Arboricultural Rating

- High
- Moderate
- Mod-A
- Mod-B
- Mod-C
- Low
- Very Low

Incursion Impacts

- Within
- SRZ
- TPZ_>10%
- TPZ

Tree Protection Zone
Structural Root Zone

APPENDIX 2A
TREE ENCROACHMENT IMPACTS

PROJECT
03 Nortons Lane, Wantirna South

TL REF. 013990
MAP NO. 1 / 1
CLIENT MSM Architects
DATE 2025-08-27

DATA SOURCES

PROPOSED PLAN LEGEND:

- EXISTING BUILDINGS TO BE RETAINED
- PROPOSED BUILDING
- PROPOSED GRASS / LANDSCAPE AREAS
- PROPOSED PLAY AREAS
- PROPOSED ASPHALT / DRIVEWAY & CAR PARK AREA
- EXISTING TREE TO BE RETAINED - TREE NO. AS PER ARBORIST REPORT
- EXISTING TREE TO BE REMOVED - TREE NO. AS PER ARBORIST REPORT
- EXISTING NATIVE / INDINGENOUS TREE TO BE RETAINED - TREE NO. AS PER ARBORIST REPORT
- EXISTING NATIVE / INDINGENOUS TREE TO BE REMOVED - TREE NO. AS PER ARBORIST REPORT
- TREE PROTECTION AREA AS PER ARBORIST REPORT
- STRUCTURAL ROOT ZONE (SRZ)
- TREE PROTECTION ZONE (TPZ)
- SUBJECT SITE TITLE BOUNDARY

TREE LOCATION DISCLAIMER
Tree locations are approximate

COORDINATE REFERENCE SYSTEM
EPSG:28355 | GDA 94 MGA Zone 55

0 10 20m

MSM
MSM & Associates Pty Ltd
6 Apsley Place
Seaford VIC 3198
P 03 9770 0280
F 03 9783 1157
www.msmarchitects.com.au
msmarch@msmarchitects.com.au
ABN 3* 055 969376

ASCENSION COLLEGE
3 NORTONS LANE, WANTIRNA SOUTH

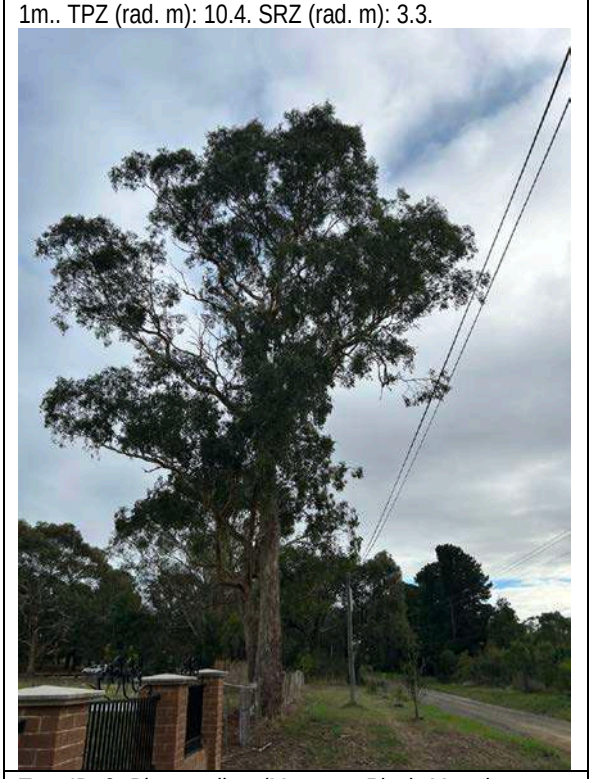
QIBLA

PROPOSED SITE PLAN - STAGE
SCALE @ A1 - 1:30
20/08/20
1566 - TP-10 [Rev

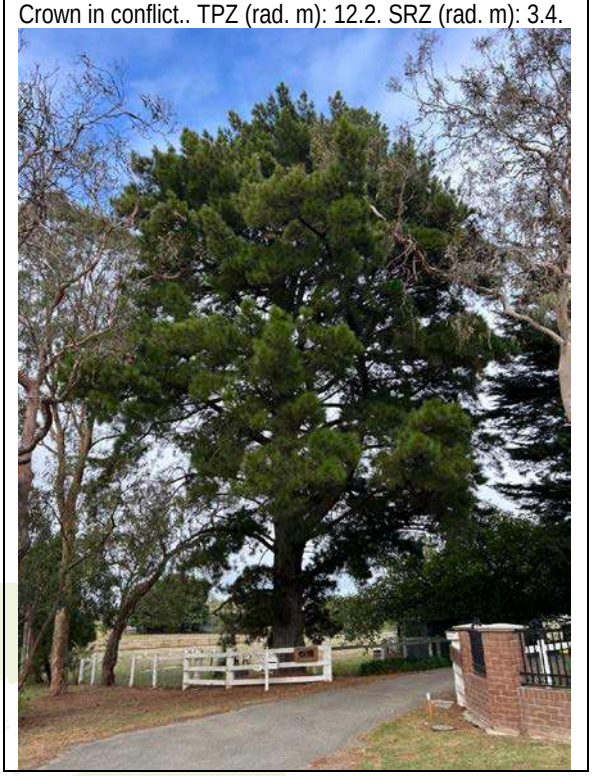
TREELOGIC PTY LTD
ABN: 95 080 021 610
TEL: 1300 656 926
4 / 21 Eugene Tce
Ringwood, VIC
Australia 3134
Treelogic
Plan, manage, protect

8 Photos

Tree ID: 1. *Eucalyptus melliodora* (Yellow Box), Maturing Indigenous.
DBH: 76,41cm. Arb. Rating: Mod.A. Deadwood, past branch failure, past powerline clearance. Bifurcation at 1m.. TPZ (rad. m): 10.4. SRZ (rad. m): 3.3.



Tree ID: 2. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 102cm. Arb. Rating: Mod.A. Past branch failure. Crown in conflict.. TPZ (rad. m): 12.2. SRZ (rad. m): 3.4.



Tree ID: 3. *Liquidambar orientalis* (Oriental Sweet Gum), Semi-mature Exotic deciduous.
DBH: 8cm. Arb. Rating: Low. NA. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: 4. *Acer rubrum* (Red Maple), Semi-mature Exotic deciduous.
DBH: 9cm. Arb. Rating: Low. 1m Adjacent to tap point.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: 5. *Acer rubrum* (Red Maple), Semi-mature Exotic deciduous.
DBH: 9,8cm. Arb. Rating: Low. Included bark forks.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

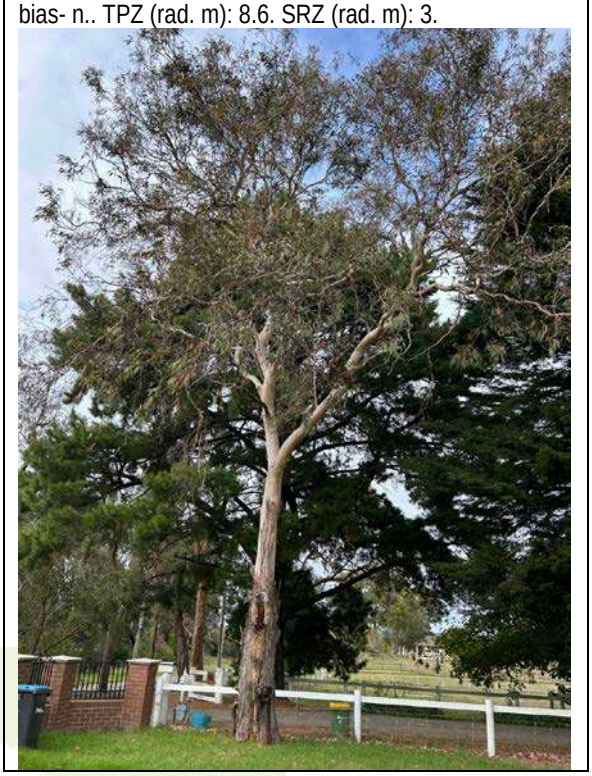
Tree ID: 6. *Liquidambar orientalis* (Oriental Sweet Gum), Semi-mature Exotic deciduous.
DBH: 9cm. Arb. Rating: Low. Reduced foliage density. Possible shedding.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: 7. *Acer rubrum* (Red Maple), Semi-mature Exotic deciduous.
DBH: 11cm. Arb. Rating: Low. Possible shedding.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

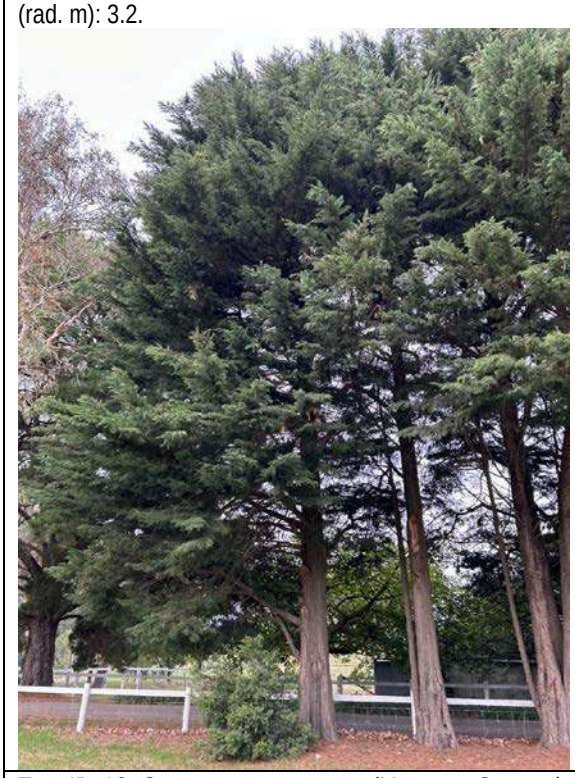
Tree ID: 8. *Acer rubrum* (Red Maple), Semi-mature Exotic deciduous.
DBH: 9cm. Arb. Rating: Low. Minor dieback. Possible shedding.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: 9. *Liquidambar orientalis* (Oriental Sweet Gum), Semi-mature Exotic deciduous.
DBH: 13cm. Arb. Rating: Mod.C. Acute forks.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

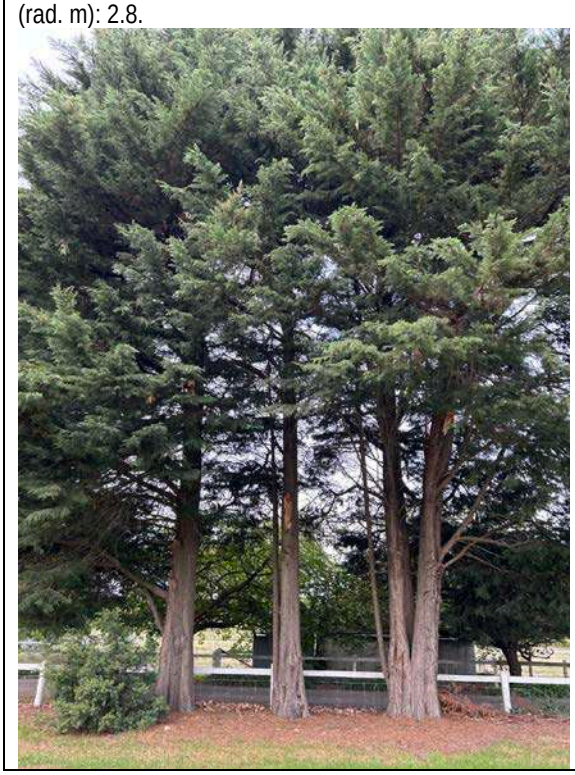
Tree ID: 10. *Eucalyptus viminalis* (Manna Gum), Early-mature Victorian native.
DBH: 72cm. Arb. Rating: Mod.C. Deadwood, minor dieback, reduced foliage density, trunk wounds, crown bias- n.. TPZ (rad. m): 8.6. SRZ (rad. m): 3.



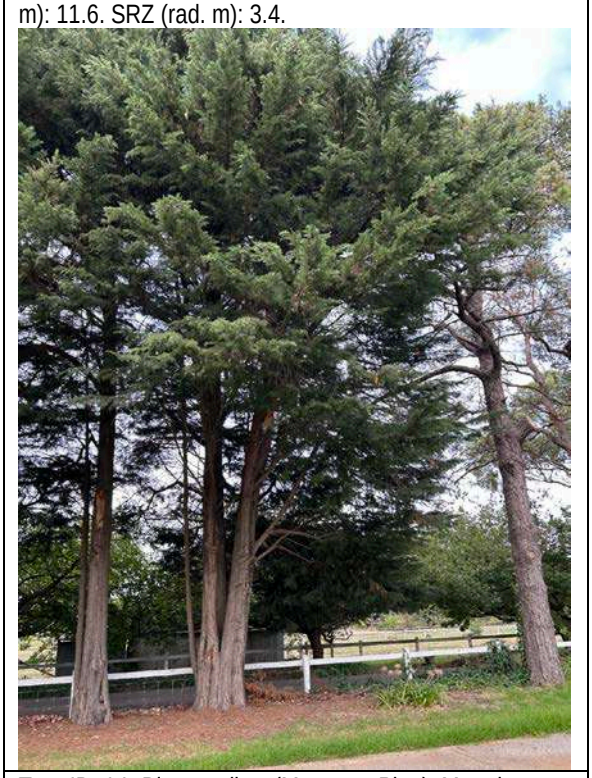
Tree ID: 11. *Cupressus macrocarpa* (Monterey Cypress), Maturing Exotic conifer.
DBH: 73cm. Arb. Rating: Mod.C. Past branch failure, past limb failure, crown bias-e.. TPZ (rad. m): 8.8. SRZ (rad. m): 3.2.



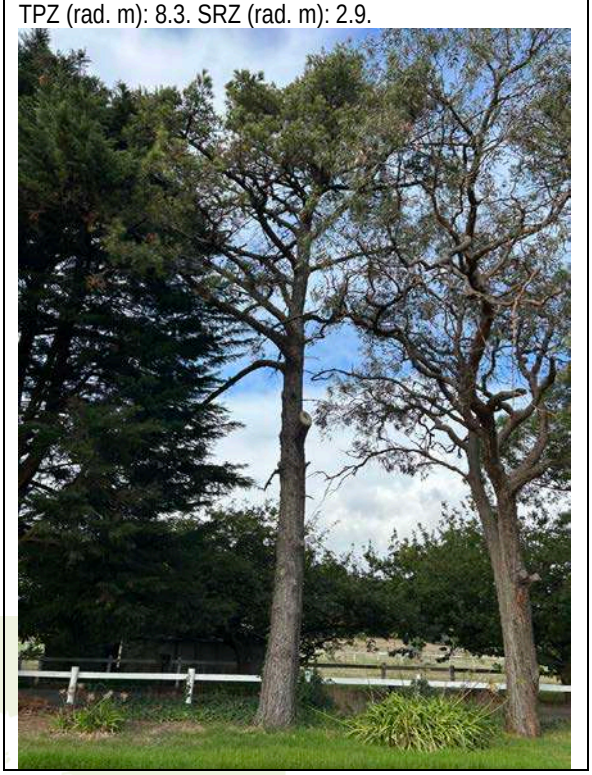
Tree ID: 12. *Cupressus macrocarpa* (Monterey Cypress), Maturing Exotic conifer.
DBH: 55,13cm. Arb. Rating: Mod.C. Past branch failure, past limb failure, suppressed.. TPZ (rad. m): 6.8. SRZ (rad. m): 2.8.



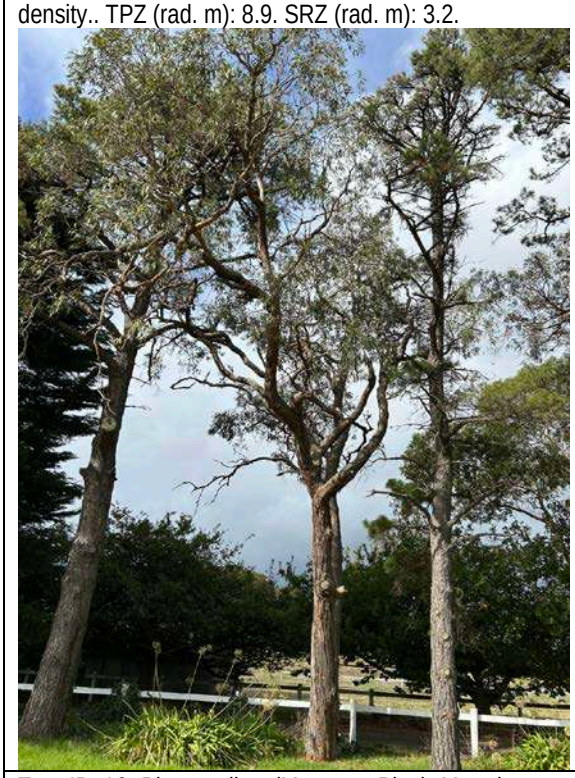
Tree ID: 13. *Cupressus macrocarpa* (Monterey Cypress), Maturing Exotic conifer.
DBH: 79,56cm. Arb. Rating: Mod.C. Acute forks, past branch failure, past limb failure, crown bias-w.. TPZ (rad. m): 11.6. SRZ (rad. m): 3.4.



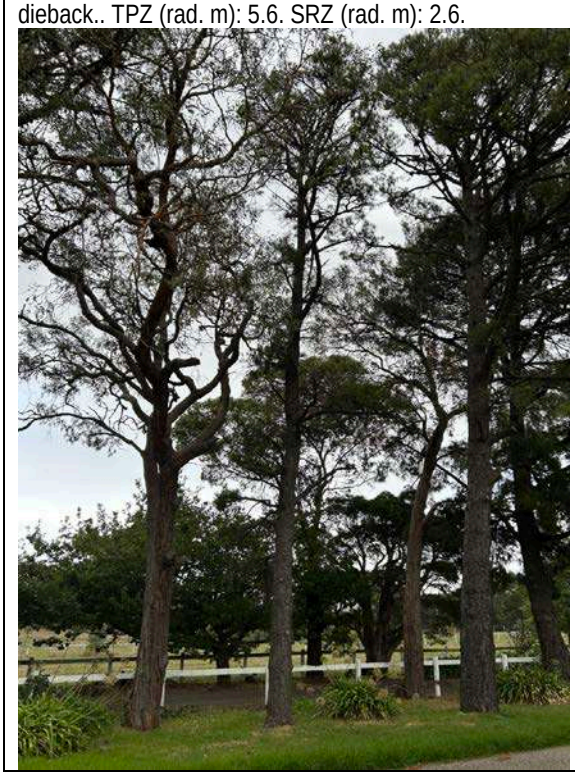
Tree ID: 14. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 69cm. Arb. Rating: Mod.C. Past branch failure, past limb failure, reduced foliage density, suppressed.. TPZ (rad. m): 8.3. SRZ (rad. m): 2.9.



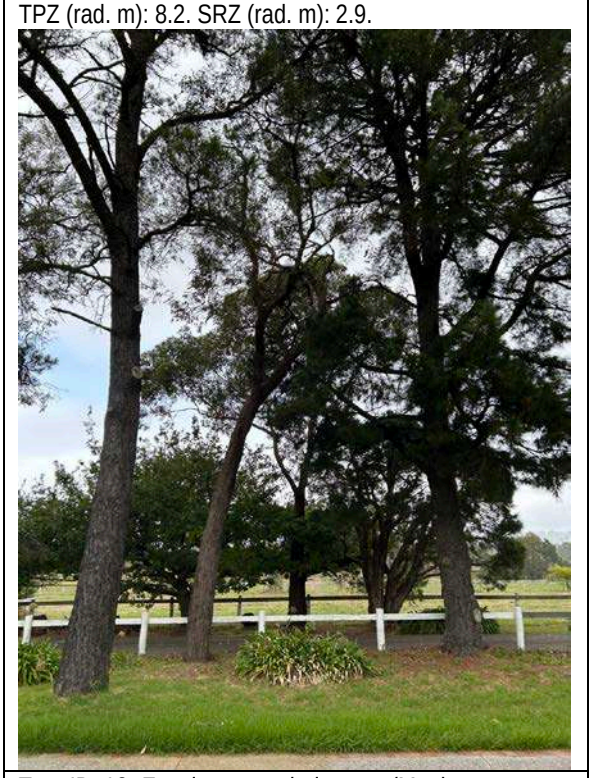
Tree ID: 15. *Eucalyptus cephalocarpa* (Mealy Stringybark), Maturing Victorian native.
DBH: 55,50cm. Arb. Rating: Mod.C. Co-dominant stems, included bark, past branch failure, reduced foliage density.. TPZ (rad. m): 8.9. SRZ (rad. m): 3.2.



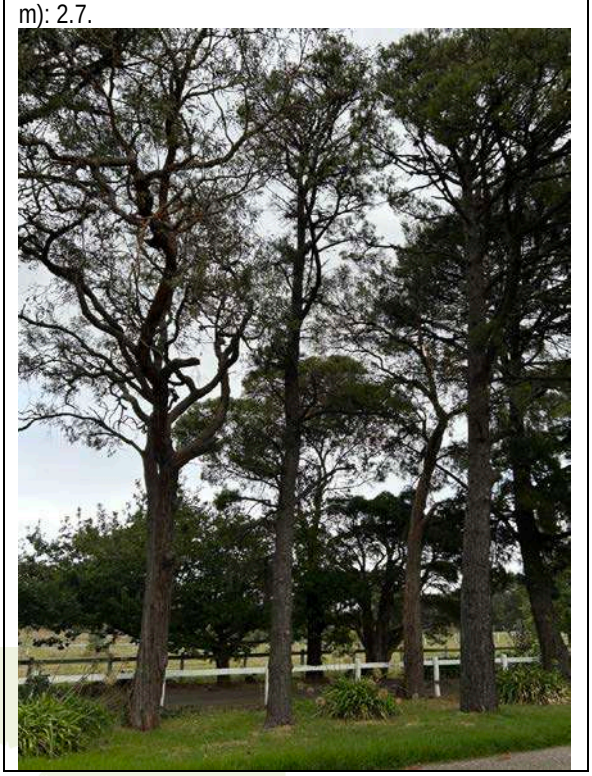
Tree ID: 16. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 47cm. Arb. Rating: Low. Past branch failure, tip dieback.. TPZ (rad. m): 5.6. SRZ (rad. m): 2.6.



Tree ID: 17. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 68cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 8.2. SRZ (rad. m): 2.9.

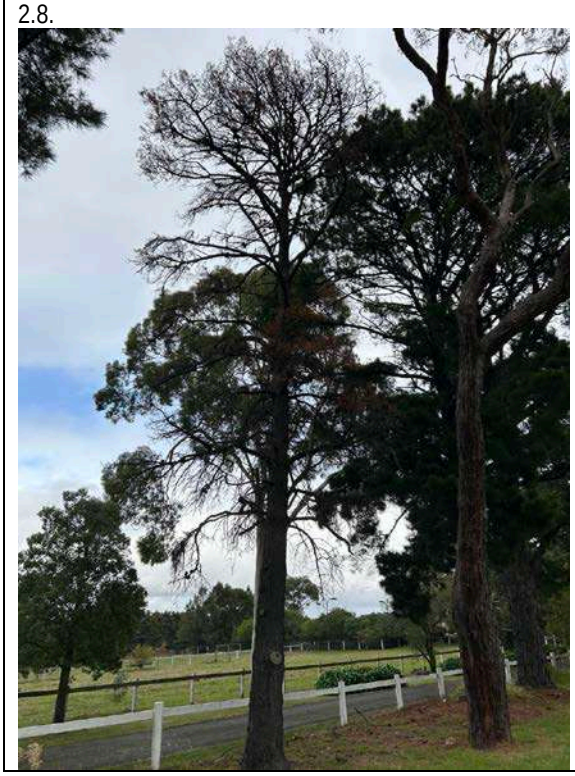


Tree ID: 18. *Eucalyptus cephalocarpa* (Mealy Stringybark), Early-mature Victorian native.
DBH: 50cm. Arb. Rating: Mod.C. Past branch failure, suppressed, crown bias-e.. TPZ (rad. m): 6. SRZ (rad. m): 2.7.



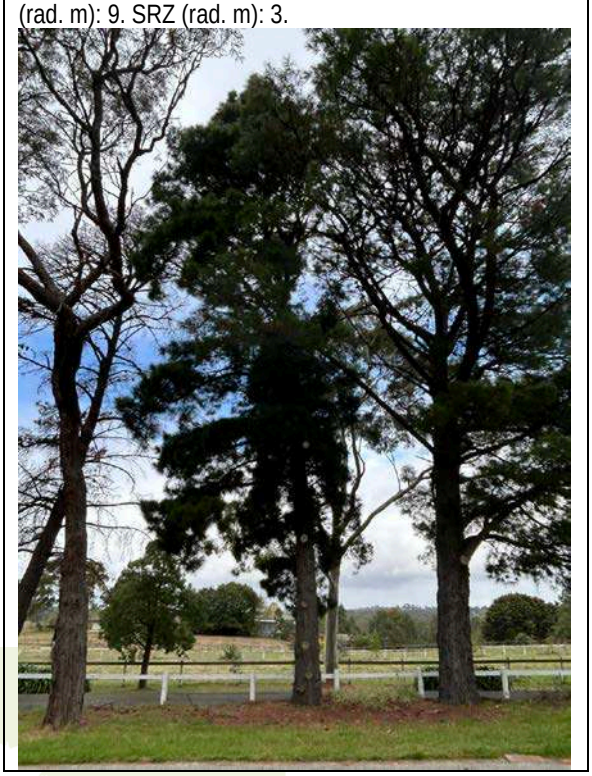
Tree ID: 19. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 72cm. Arb. Rating: Mod.C. Co-dominant stems.. TPZ (rad. m): 8.6. SRZ (rad. m): 3.1.

Tree ID: 20. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 57cm. Arb. Rating: Low. Deadwood >50mm, reduced foliage density.. TPZ (rad. m): 6.8. SRZ (rad. m): 2.8.



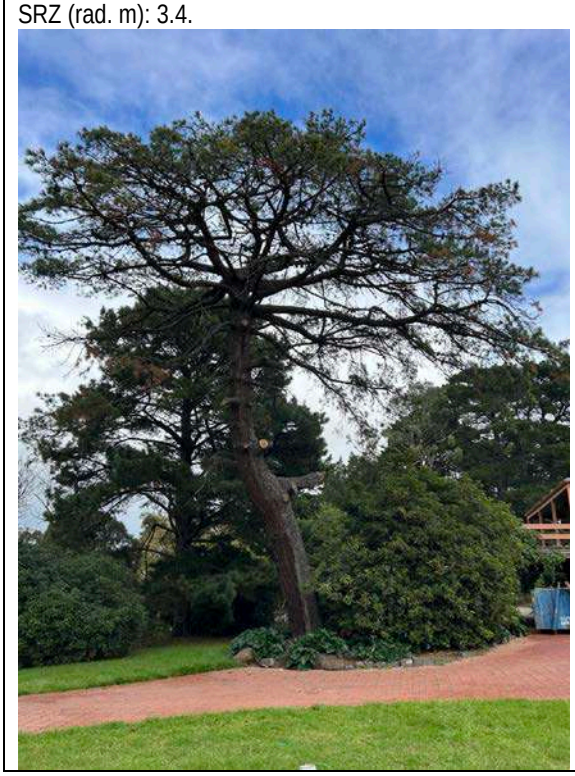
Tree ID: 21. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 73cm. Arb. Rating: Mod.C. Deadwood >50mm, over-extended limbs developing, suppressed, crown bias- n.. TPZ (rad. m): 8.8. SRZ (rad. m): 2.9.

Tree ID: 22. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 75cm. Arb. Rating: Mod.B. Crown bias-e.. TPZ (rad. m): 9. SRZ (rad. m): 3.

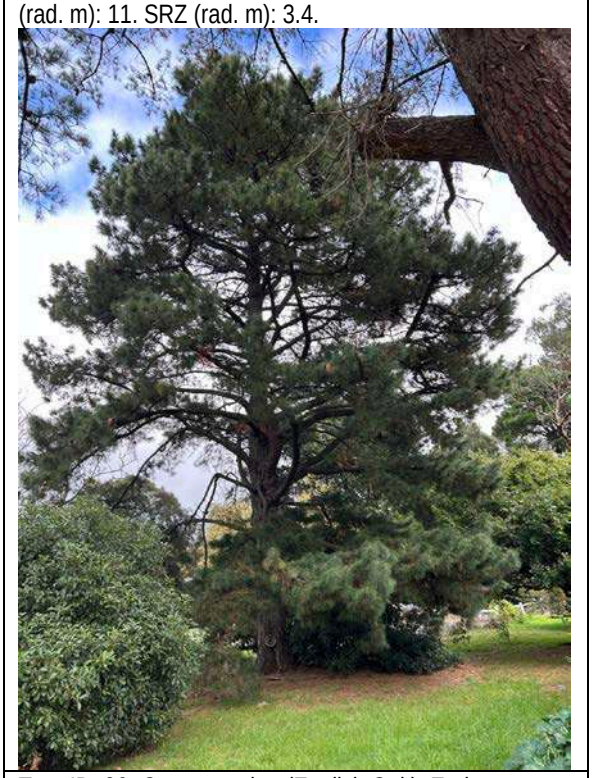


Tree ID: 23. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 93cm. Arb. Rating: Mod.B. Deadwood >50mm, over-extended limbs developing.. TPZ (rad. m): 11.2. SRZ (rad. m): 3.4.

Tree ID: 24. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 98cm. Arb. Rating: Low. Deadwood >50mm, reduced foliage density, tip dieback. Poor pruning. Minor trunk lean - self corrected. 3227.. TPZ (rad. m): 11.8. SRZ (rad. m): 3.4.

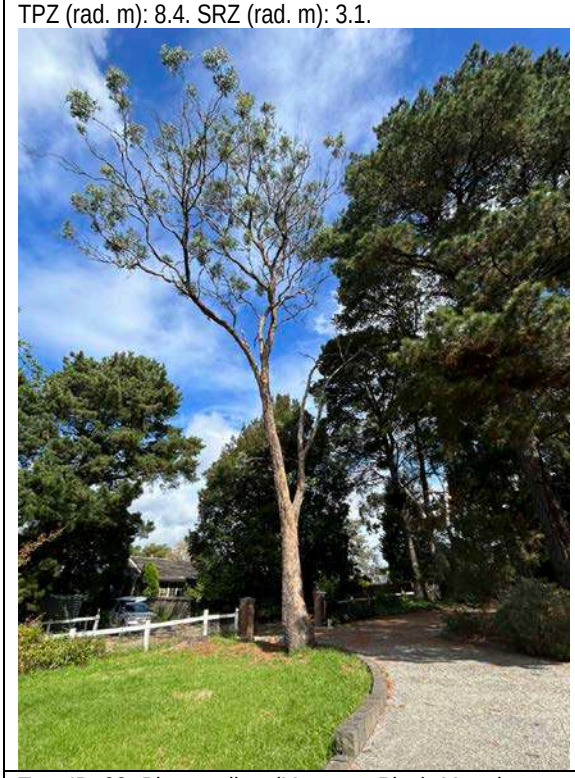


Tree ID: 25. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 92cm. Arb. Rating: Mod.B. Deadwood >50mm. Check sp. Pittosporum undulatum in understorey.. TPZ (rad. m): 11. SRZ (rad. m): 3.4.



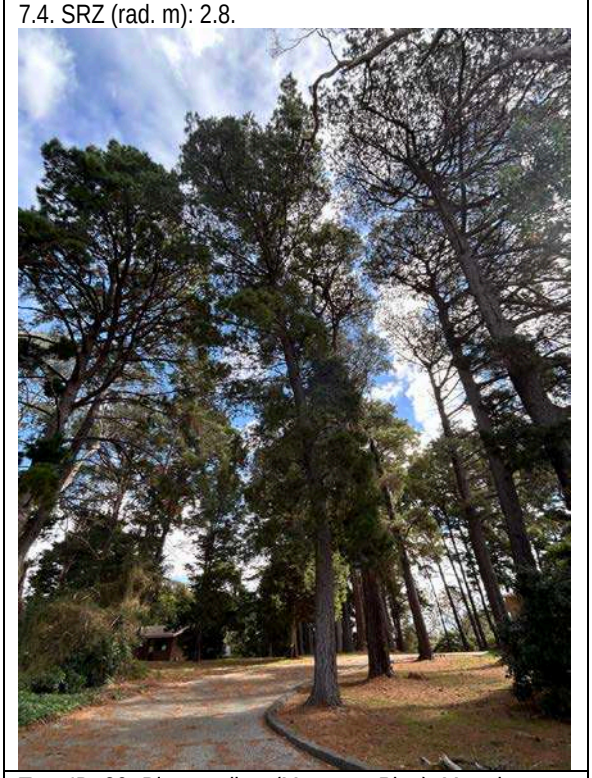
Tree ID: 26. *Quercus robur* (English Oak), Early-mature Exotic deciduous.
DBH: 60cm. Arb. Rating: Mod.C. Epicormic shoots, exposed roots. Appears to be stunted. TPZ (rad. m): 7.2. SRZ (rad. m): 2.7.

Tree ID: 27. *Eucalyptus melliodora* (Yellow Box), Maturing Victorian native.
DBH: 70cm. Arb. Rating: Low. Deadwood >50mm, epicormic shoots, reduced foliage density, tip dieback.. TPZ (rad. m): 8.4. SRZ (rad. m): 3.1.

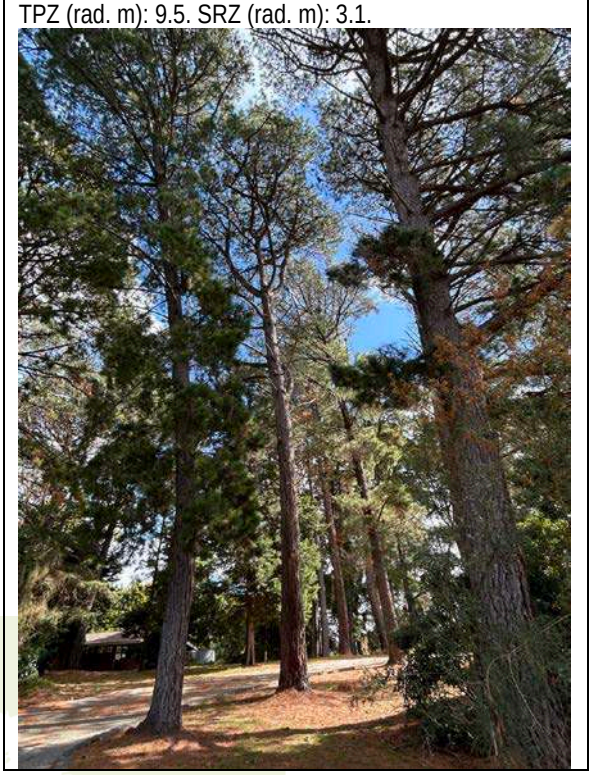


Tree ID: 28. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 77cm. Arb. Rating: Mod.B. Deadwood >50mm, crown bias-e.. TPZ (rad. m): 9.2. SRZ (rad. m): 3.2.

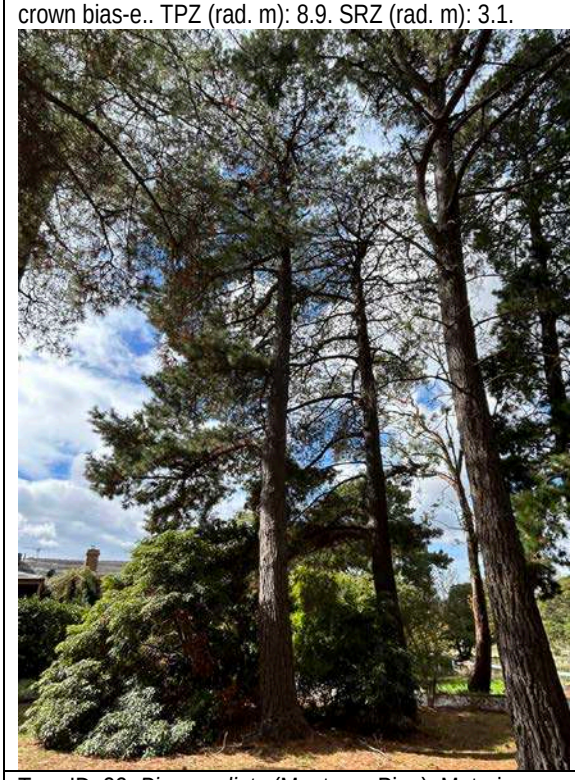
Tree ID: 29. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 62cm. Arb. Rating: Mod.B. Deadwood >50mm, crown bias-sw. Slight trunk lean to south. TPZ (rad. m): 7.4. SRZ (rad. m): 2.8.



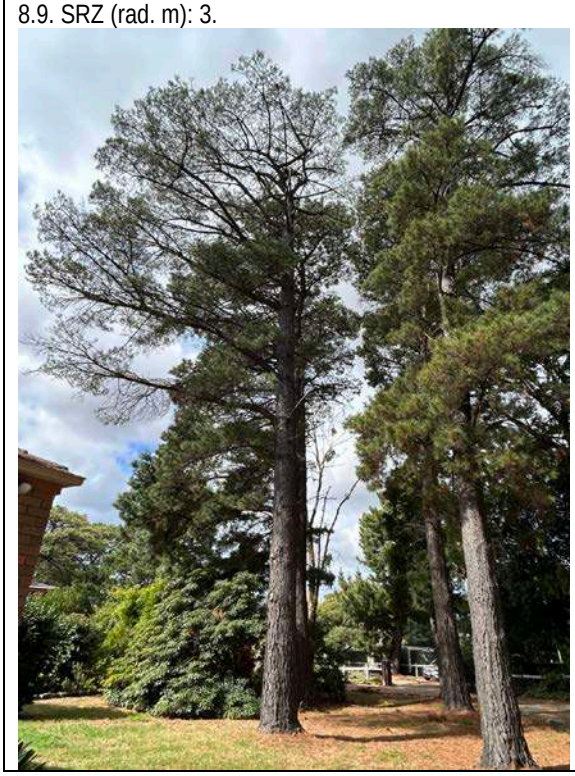
Tree ID: 30. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 79cm. Arb. Rating: Mod.C. Co-dominant stems, deadwood >50mm, over-extended limbs developing.. TPZ (rad. m): 9.5. SRZ (rad. m): 3.1.



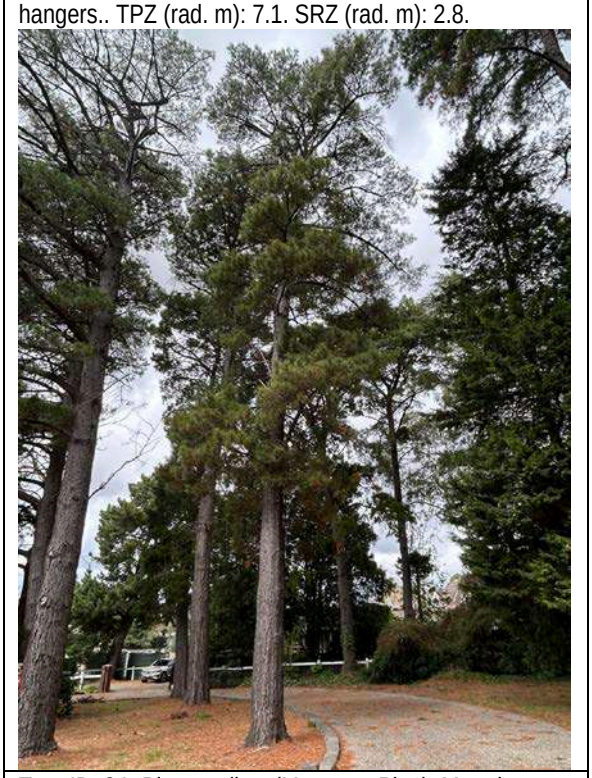
Tree ID: 31. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 74cm. Arb. Rating: Mod.B. Deadwood >50mm, crown bias-e.. TPZ (rad. m): 8.9. SRZ (rad. m): 3.1.



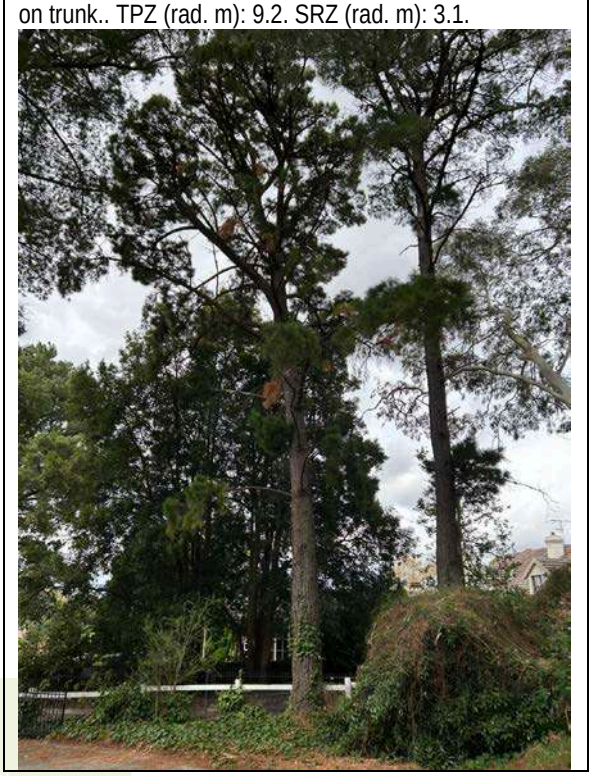
Tree ID: 32. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 74cm. Arb. Rating: Mod.C. Deadwood >50mm, reduced foliage density, crown bias-ne.. TPZ (rad. m): 8.9. SRZ (rad. m): 3.



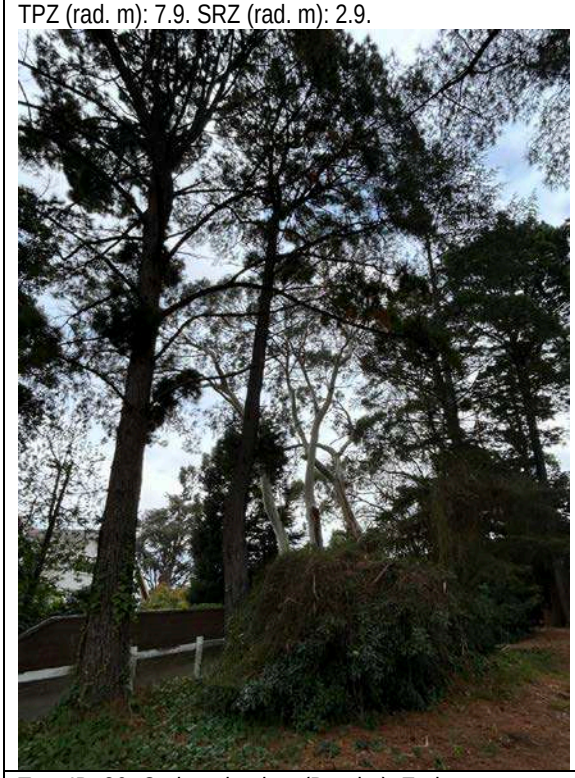
Tree ID: 33. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 59cm. Arb. Rating: Mod.C. Deadwood >50mm, hangers.. TPZ (rad. m): 7.1. SRZ (rad. m): 2.8.



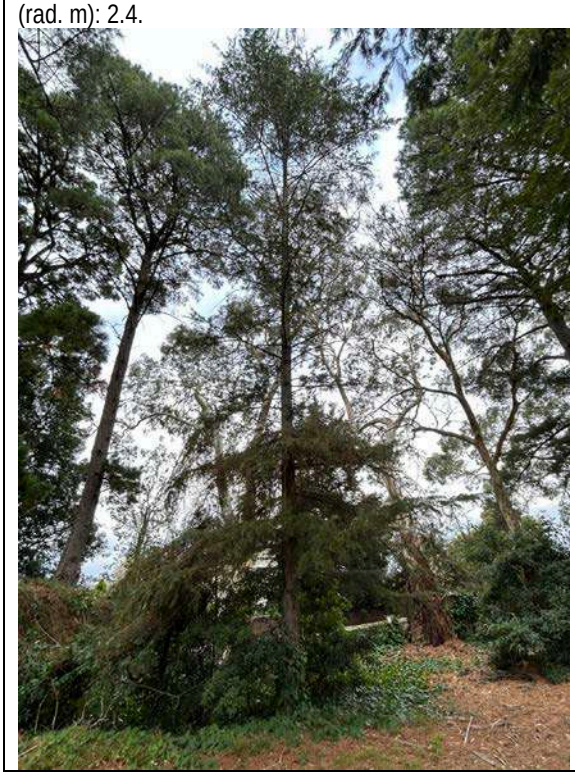
Tree ID: 34. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 77cm. Arb. Rating: Mod.C. Deadwood >50mm, ivy on trunk.. TPZ (rad. m): 9.2. SRZ (rad. m): 3.1.



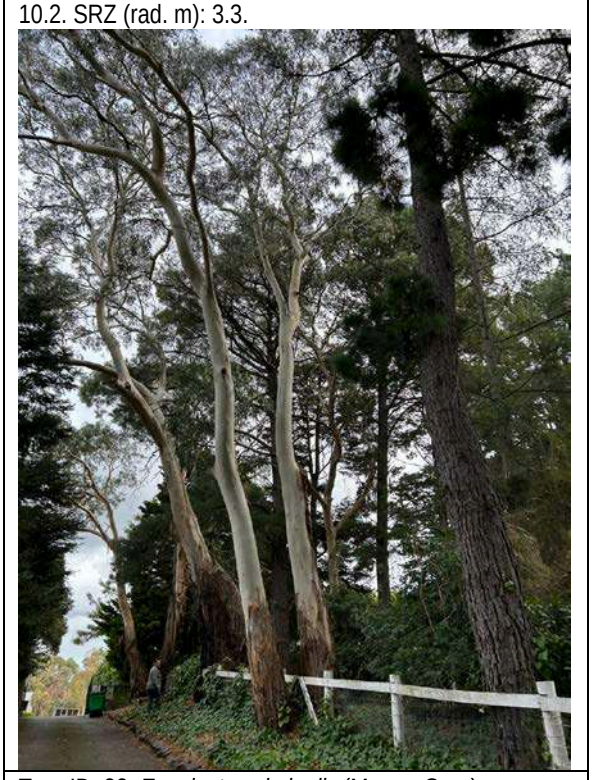
Tree ID: 35. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 66cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 7.9. SRZ (rad. m): 2.9.



Tree ID: 36. *Cedrus deodara* (Deodar), Early-mature Exotic conifer.
DBH: 38cm. Arb. Rating: Mod.C. Ivy on trunk, reduced foliage density, vine infested.. TPZ (rad. m): 4.6. SRZ (rad. m): 2.4.

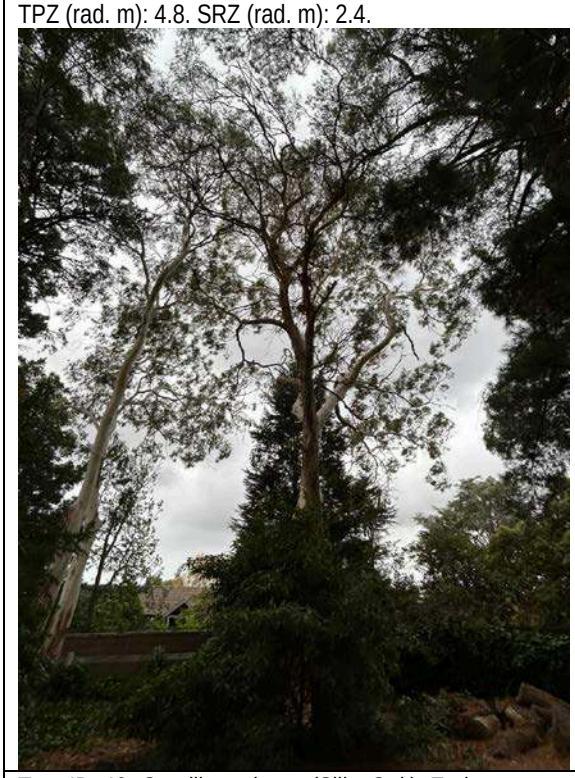


Tree ID: 37. *Eucalyptus viminalis* (Manna Gum), Maturing Victorian native.
DBH: 64,56cm. Arb. Rating: Mod.B. Co-dominant stems, deadwood >50mm. Co-dom to south suppressed, co-dom to south on neighbouring property. TPZ (rad. m): 10.2. SRZ (rad. m): 3.3.



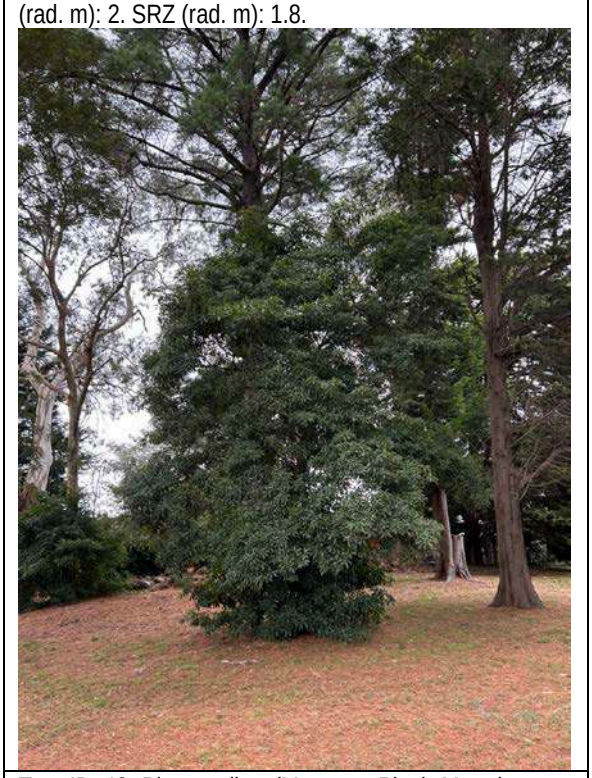
Tree ID: 38. *Eucalyptus viminalis* (Manna Gum), Maturing Victorian native.
DBH: 130cm. Arb. Rating: Mod.C. Basal decay, basal wounds, deadwood >50mm, over-extended limbs developing. To sth. TPZ (rad. m): 15. SRZ (rad. m): 3.9.

Tree ID: 39. *Eucalyptus melliodora* (Yellow Box), Early-mature Victorian native.
DBH: 40cm. Arb. Rating: Low. Deadwood >50mm, epicormic shoots, reduced foliage density, suppressed.. TPZ (rad. m): 4.8. SRZ (rad. m): 2.4.

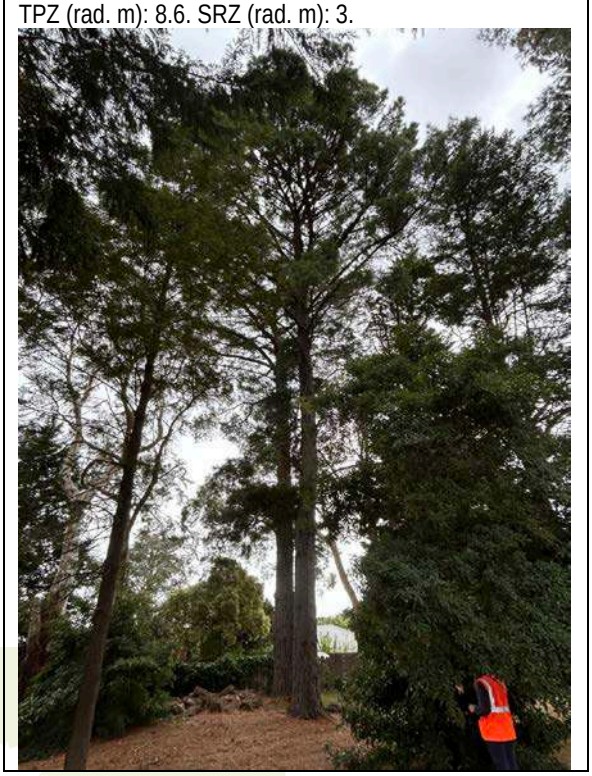


Tree ID: 40. *Grevillea robusta* (Silky Oak), Early-mature Australian native.
DBH: 25cm. Arb. Rating: Mod.B. Minor trunk kink. TPZ (rad. m): 3. SRZ (rad. m): 2.1.

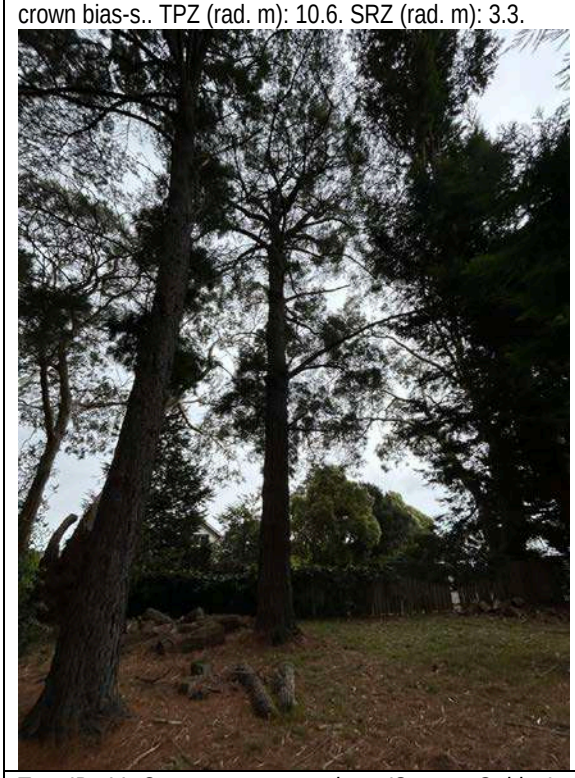
Tree ID: 41. *Pittosporum undulatum* (Sweet Pittosporum), Early-mature Victorian native.
DBH: 17cm. Arb. Rating: Low. Basal decay, basal wounds, epicormic shoots, Environmental Weed. TPZ (rad. m): 2. SRZ (rad. m): 1.8.



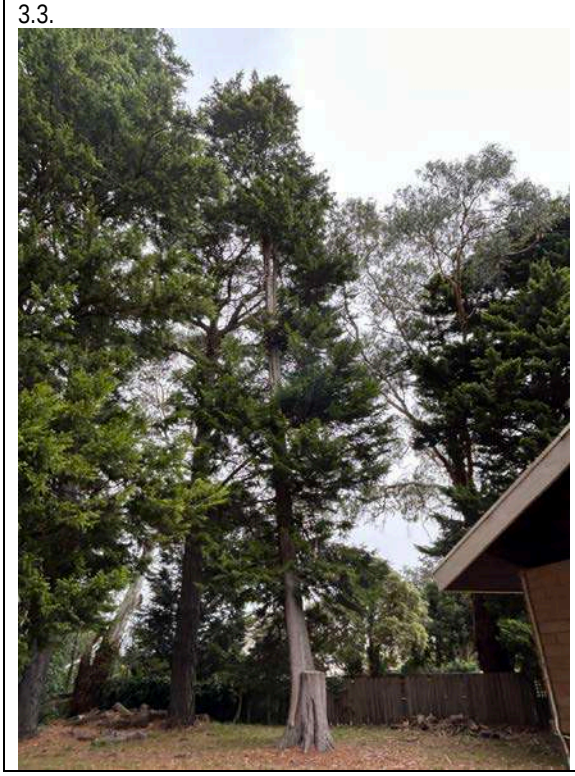
Tree ID: 42. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 72cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 8.6. SRZ (rad. m): 3.



Tree ID: 43. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 88cm. Arb. Rating: Mod.C. Deadwood >50mm, crown bias-s.. TPZ (rad. m): 10.6. SRZ (rad. m): 3.3.

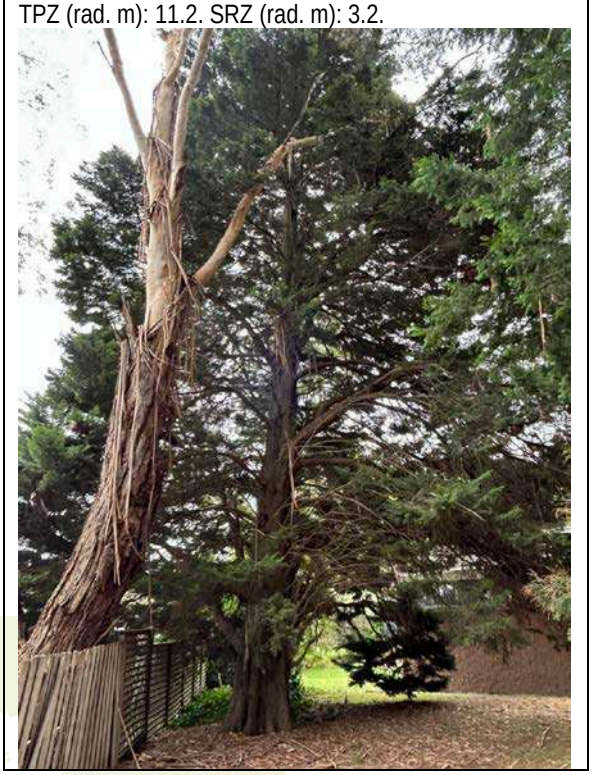


Tree ID: 44. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Maturing Exotic conifer.
DBH: 96cm. Arb. Rating: Mod.C. Co-dominant stems. Prev stem removal. TPZ (rad. m): 11.5. SRZ (rad. m): 3.3.

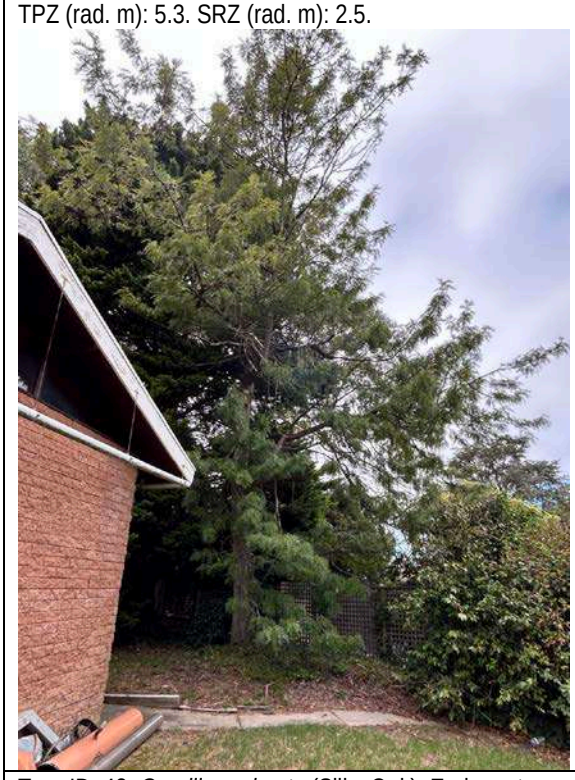


Tree ID: 45. *Eucalyptus viminalis* (Manna Gum), Maturing Victorian native.
DBH: 80,75cm. Arb. Rating: Mod.B. Co-dominant stems, deadwood >50mm, habitat hollows, neighbour's tree. Sth co-dom suppressed. TPZ (rad. m): 13.2. SRZ (rad. m): 3.8.

Tree ID: 46. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Maturing Exotic conifer.
DBH: 93cm. Arb. Rating: Mod.B. Deadwood >50mm..
TPZ (rad. m): 11.2. SRZ (rad. m): 3.2.

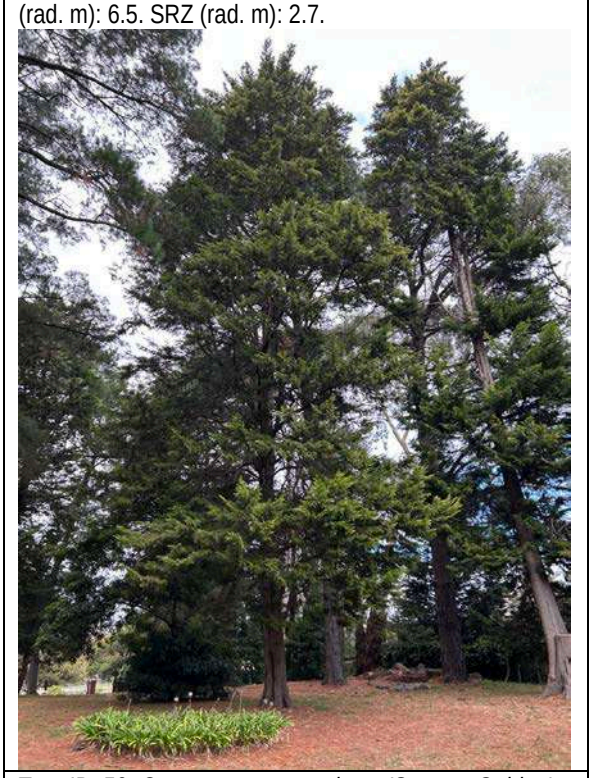


Tree ID: 47. *Grevillea robusta* (Silky Oak), Early-mature Australian native.
DBH: 44cm. Arb. Rating: Low. Deadwood, over-extended limbs developing, past limb failure, partly suppressed - crown bias, crown bias-sw. Possibly previously lopped.
TPZ (rad. m): 5.3. SRZ (rad. m): 2.5.

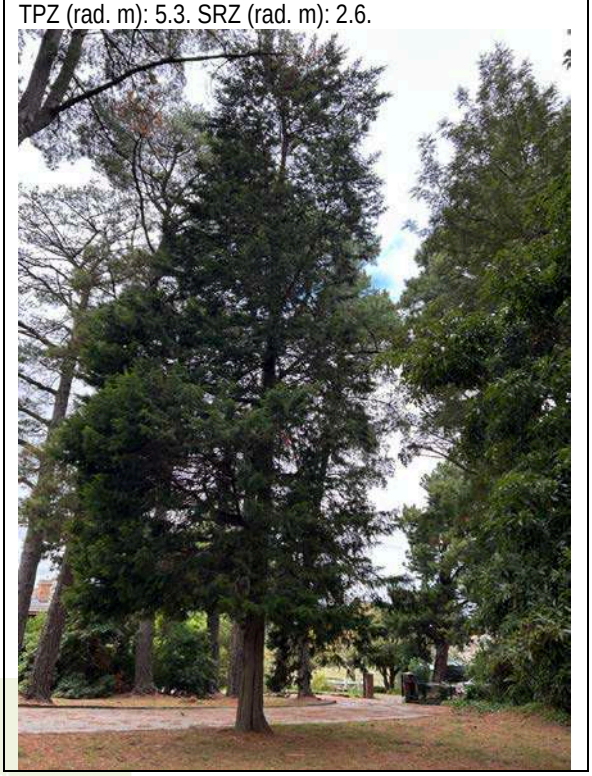


Tree ID: 48. *Grevillea robusta* (Silky Oak), Early-mature Australian native.
DBH: 41cm. Arb. Rating: Low. Deadwood, exposed roots, mower damage to surface roots. Possibly previously lopped. TPZ (rad. m): 4.9. SRZ (rad. m): 2.4.

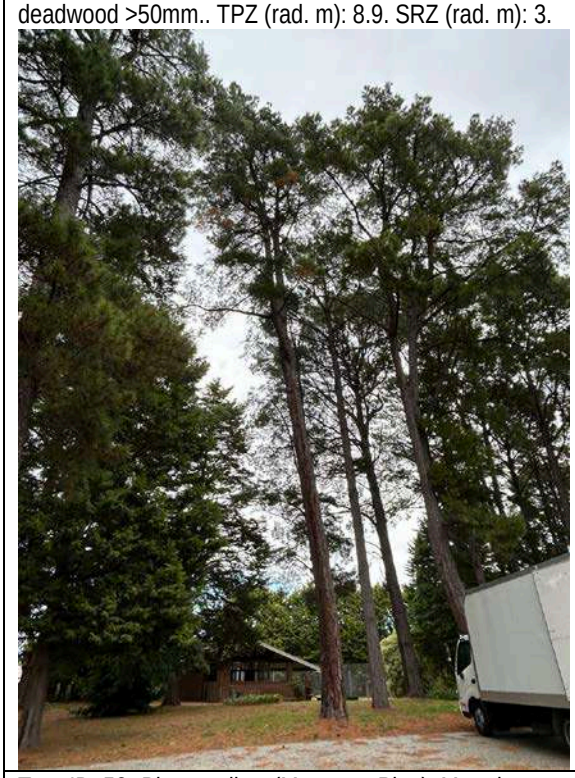
Tree ID: 49. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Maturing Exotic conifer.
DBH: 54cm. Arb. Rating: Mod.B. Crown bias- n.. TPZ (rad. m): 6.5. SRZ (rad. m): 2.7.



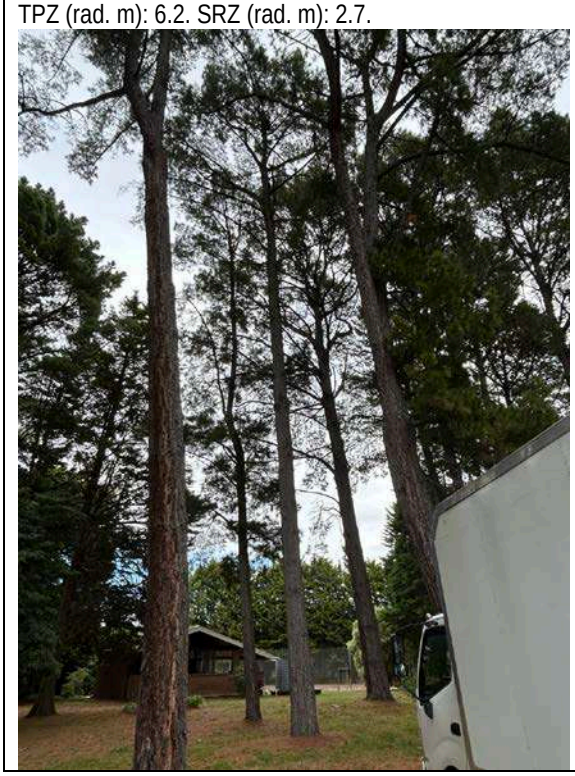
Tree ID: 50. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Maturing Exotic conifer.
DBH: 44cm. Arb. Rating: Mod.C. Co-dominant stems.. TPZ (rad. m): 5.3. SRZ (rad. m): 2.6.



Tree ID: 51. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 74cm. Arb. Rating: Mod.C. Co-dominant stems, deadwood >50mm.. TPZ (rad. m): 8.9. SRZ (rad. m): 3.

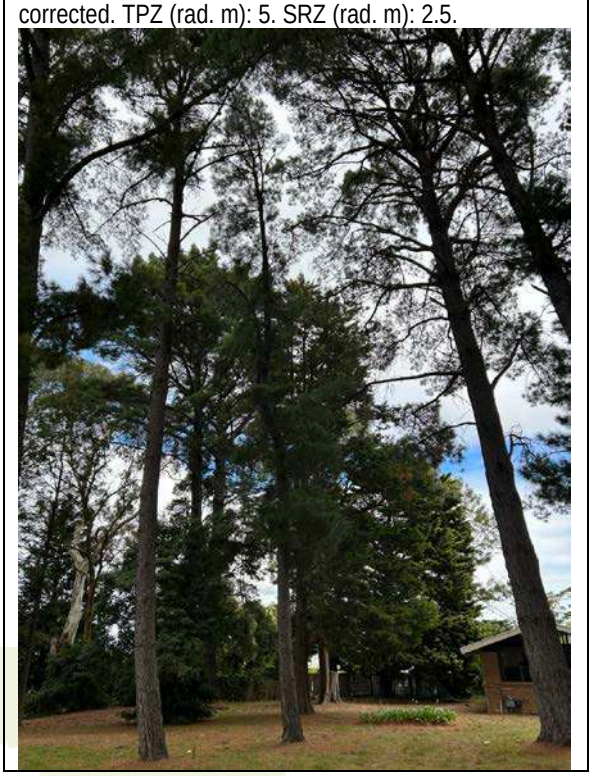


Tree ID: 52. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 52cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 6.2. SRZ (rad. m): 2.7.

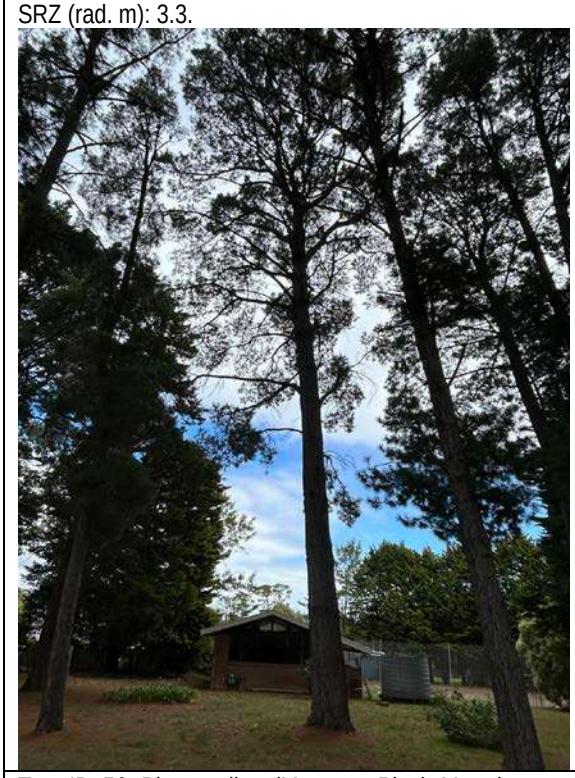


Tree ID: 53. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 74cm. Arb. Rating: Mod.C. Acute forks, co-dominant stems, included bark. Cabled- last inspection unknown. TPZ (rad. m): 8.9. SRZ (rad. m): 3.

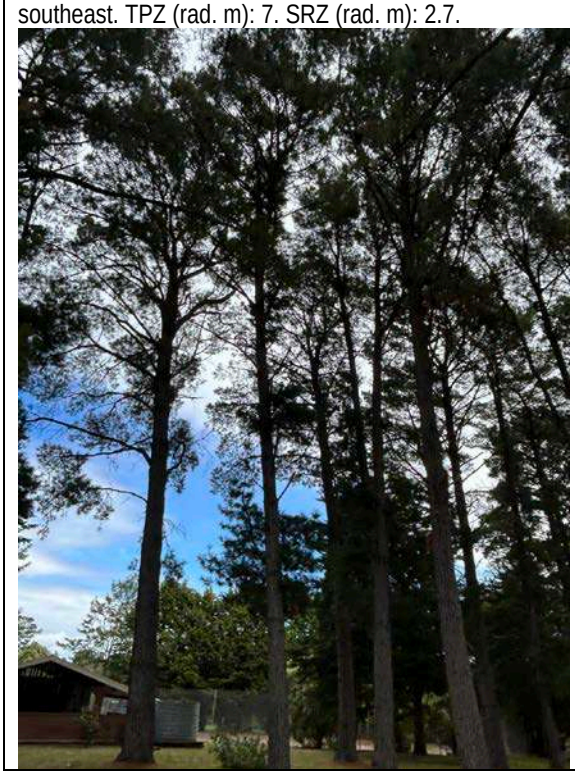
Tree ID: 54. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 42cm. Arb. Rating: Mod.C. Kinked trunk - self corrected. TPZ (rad. m): 5. SRZ (rad. m): 2.5.



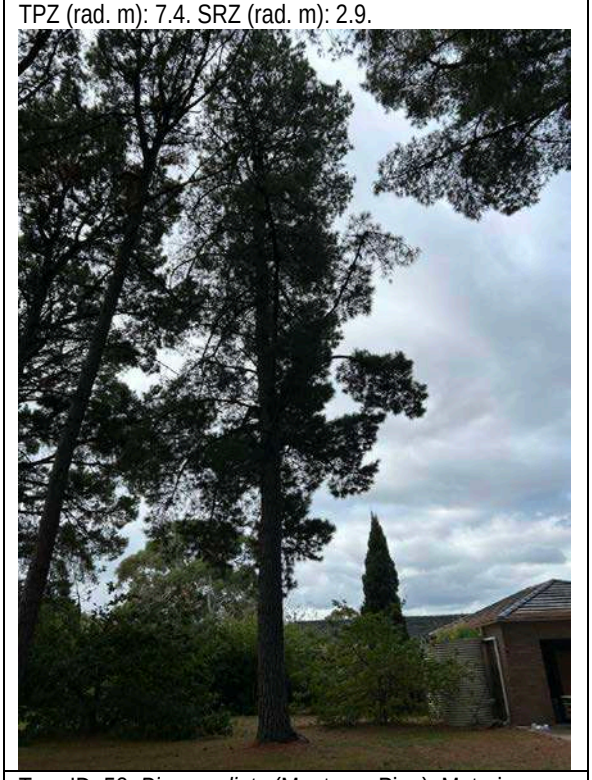
Tree ID: 55. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 88cm. Arb. Rating: Mod.C. Deadwood >50mm, mower damage to surface roots.. TPZ (rad. m): 10.6. SRZ (rad. m): 3.3.



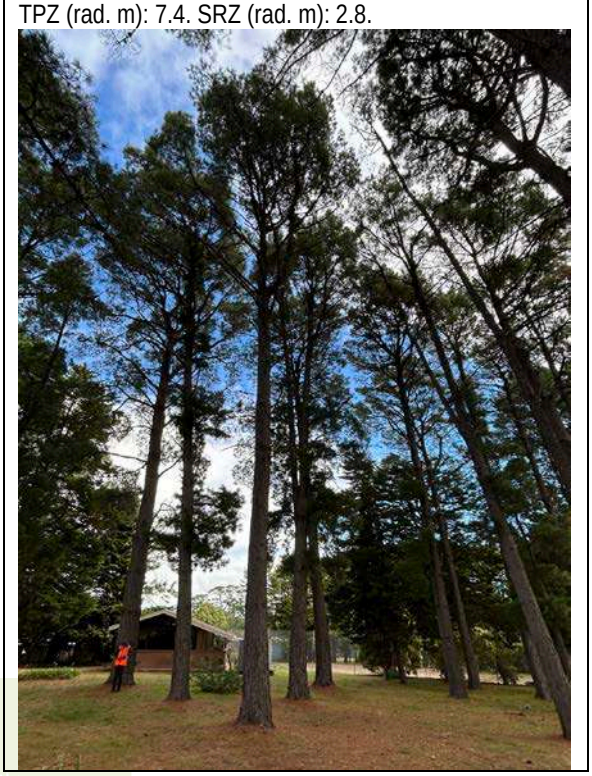
Tree ID: 56. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 58cm. Arb. Rating: Mod.C. Deadwood >50mm, partly suppressed - crown bias. Minor trunk lean to southeast. TPZ (rad. m): 7. SRZ (rad. m): 2.7.



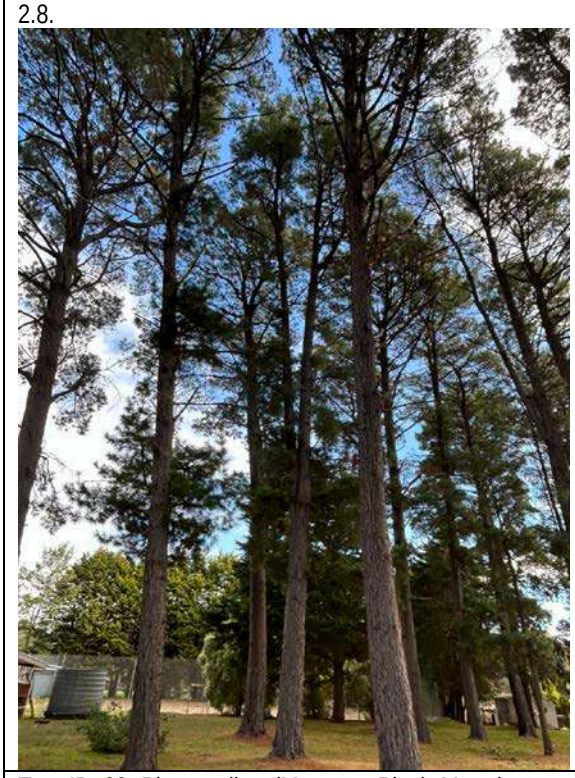
Tree ID: 57. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 62cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 7.4. SRZ (rad. m): 2.9.



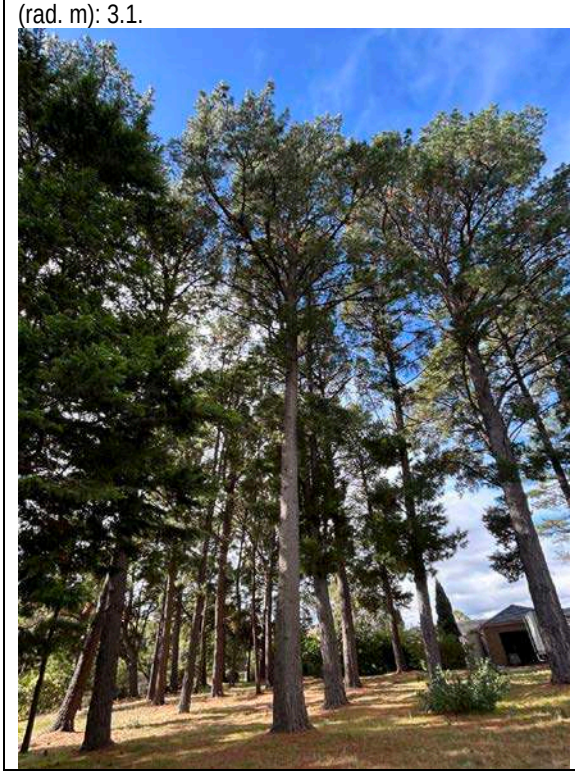
Tree ID: 58. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 62cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 7.4. SRZ (rad. m): 2.8.



Tree ID: 59. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 63cm. Arb. Rating: Low. Acute forks, co-dominant stems, included bark.. TPZ (rad. m): 7.6. SRZ (rad. m): 2.8.

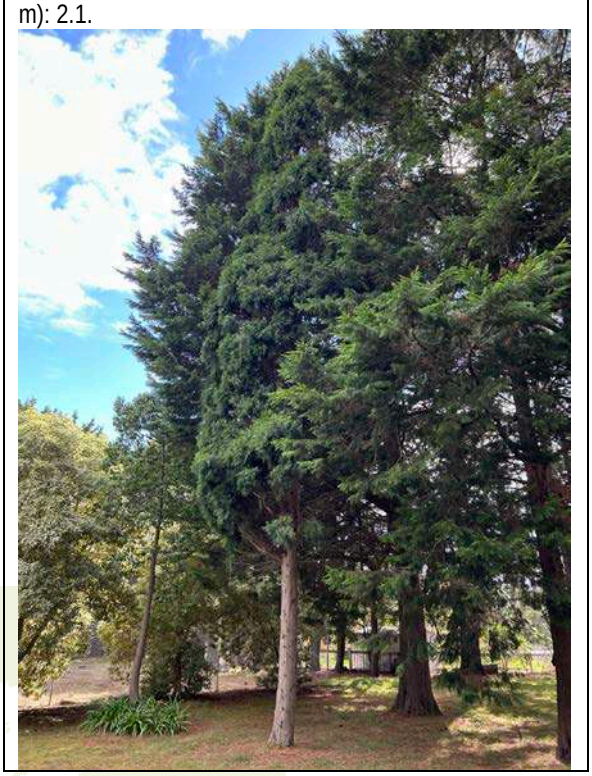


Tree ID: 60. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 76cm. Arb. Rating: Mod.C. Deadwood >50mm, mower damage to surface roots.. TPZ (rad. m): 9.1. SRZ (rad. m): 3.1.



Tree ID: 61. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Early-mature Exotic conifer.
DBH: 34cm. Arb. Rating: Mod.B. NA. TPZ (rad. m): 4.1. SRZ (rad. m): 2.3.

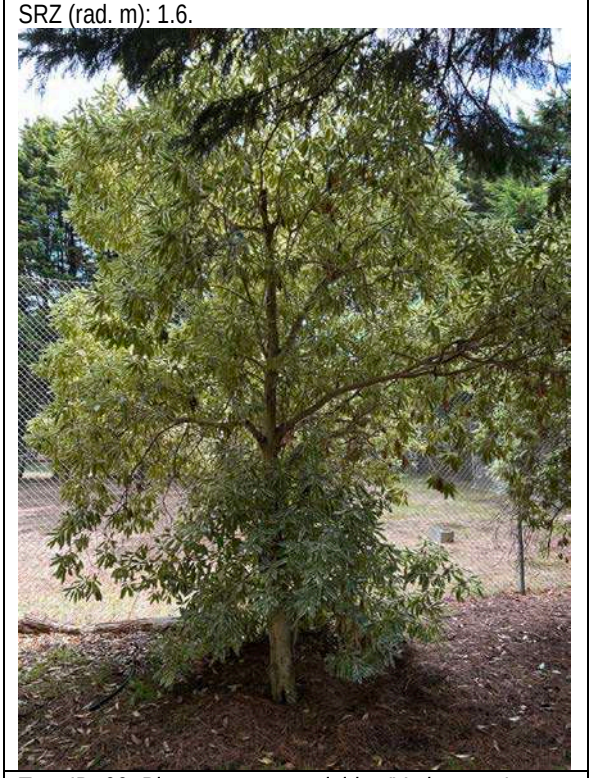
Tree ID: 62. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Early-mature Exotic conifer.
DBH: 28cm. Arb. Rating: Mod.C. Acute forks, partly suppressed - crown bias.. TPZ (rad. m): 3.4. SRZ (rad. m): 2.1.



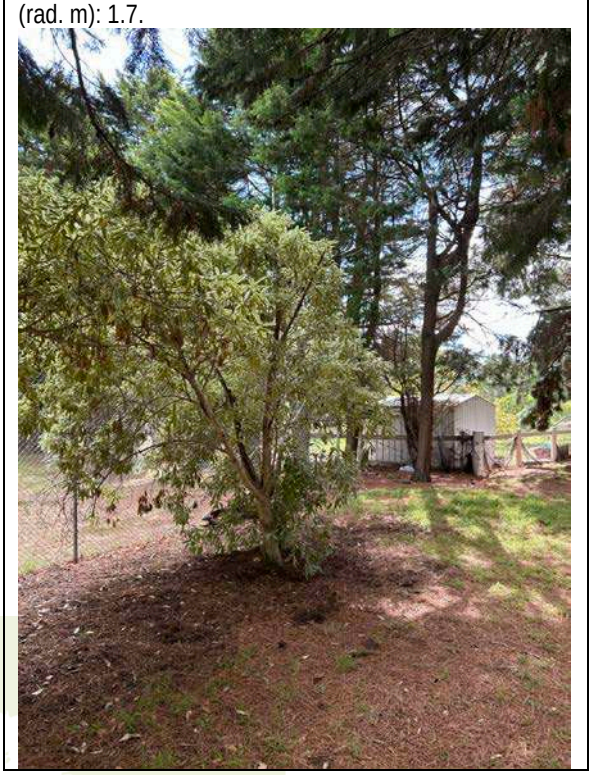
Tree ID: 63. *Brachychiton populneus* (Kurrajong), Semi-mature Victorian native.
DBH: 14cm. Arb. Rating: Low. Suppressed, crown bias-w. Bowed at base. TPZ (rad. m): 2. SRZ (rad. m): 1.7.

Tree ID: 64. *Pittosporum eugenioides 'Variegatum'* (Variegated Tarata), Early-mature Exotic evergreen.
DBH: 13,12,10cm. Arb. Rating: Low. Borers, deadwood >50mm, exposed roots.. TPZ (rad. m): 2.4. SRZ (rad. m): 2.1.

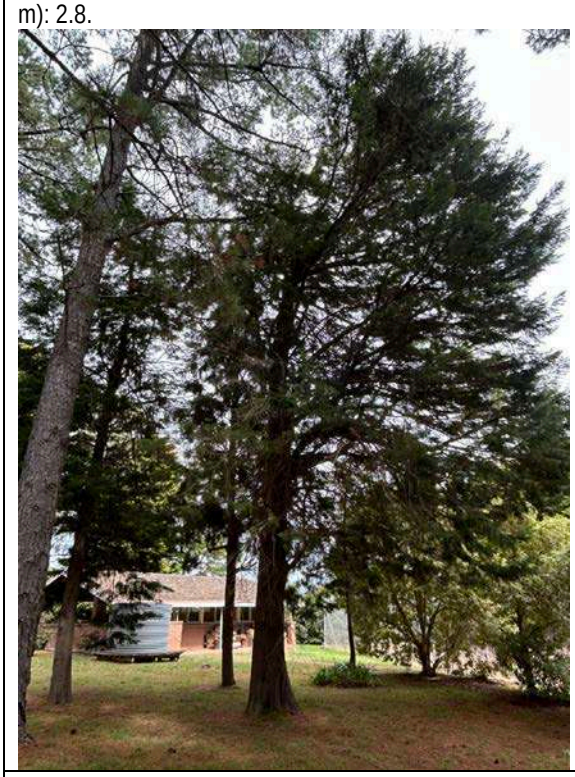
Tree ID: 65. *Pittosporum eugenioides 'Variegatum'* (Variegated Tarata), Early-mature Exotic evergreen.
DBH: 12cm. Arb. Rating: Low. Basal decay, basal wounds, borers, deadwood >50mm.. TPZ (rad. m): 2. SRZ (rad. m): 1.6.



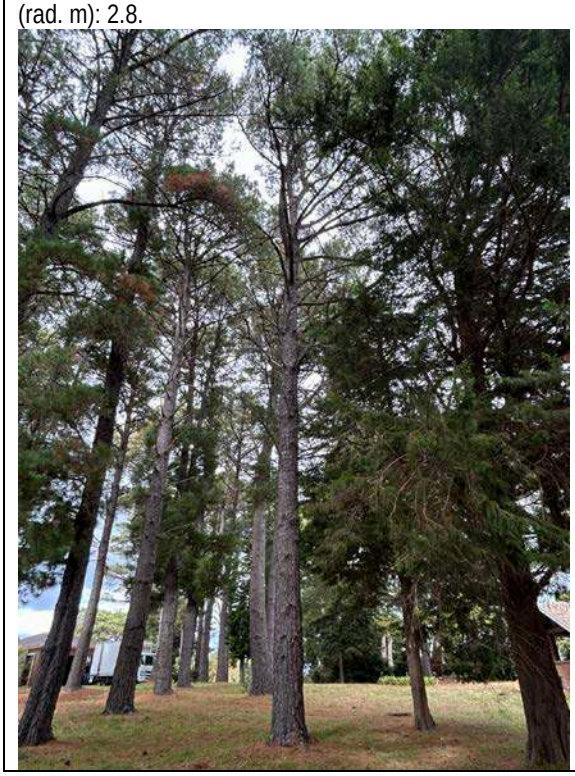
Tree ID: 66. *Pittosporum eugenioides 'Variegatum'* (Variegated Tarata), Early-mature Exotic evergreen.
DBH: 9,8,6cm. Arb. Rating: Low. Borers, decay, epicormic shoots, limb wounds.. TPZ (rad. m): 2. SRZ (rad. m): 1.7.



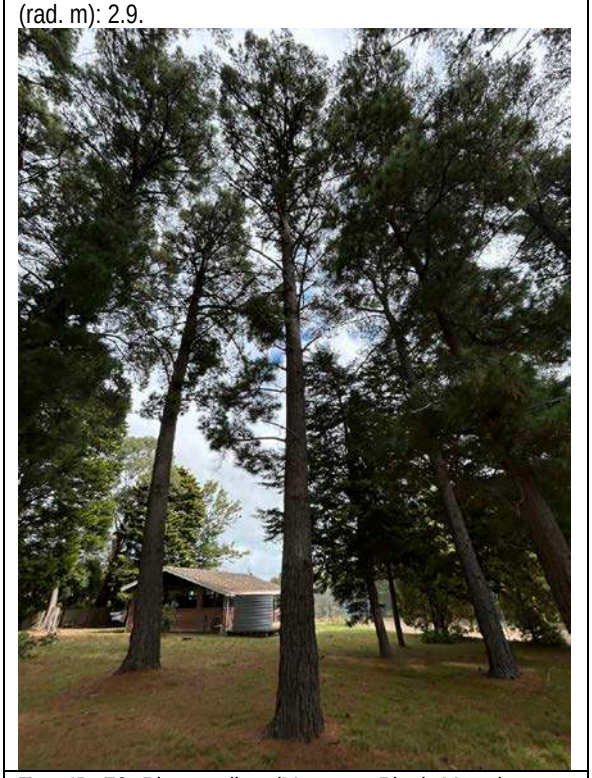
Tree ID: 67. *Cupressus sempervirens 'Swanes Golden'* (Swane's Golden Pencil Pine), Maturing Exotic conifer.
DBH: 59cm. Arb. Rating: Mod.C. Hangers, mower damage to surface roots, past branch failure, suppressed, crown bias-w.. TPZ (rad. m): 7.1. SRZ (rad. m): 2.8.



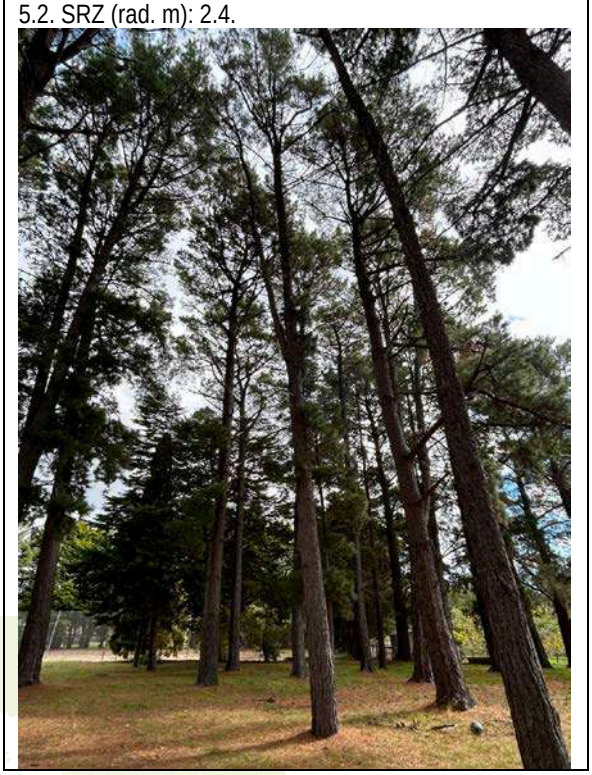
Tree ID: 68. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 62cm. Arb. Rating: Mod.C. Co-dominant stems, deadwood >50mm, girdling root.. TPZ (rad. m): 7.4. SRZ (rad. m): 2.8.



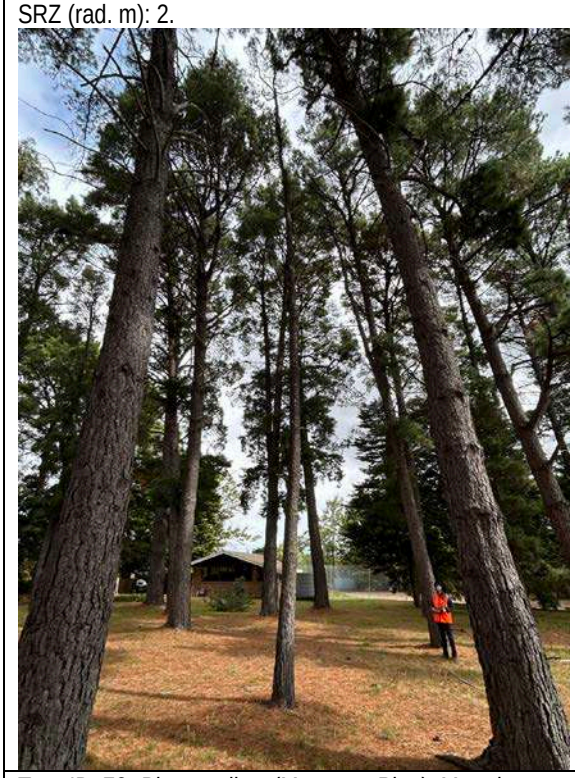
Tree ID: 69. *Pinus radiata* (Monterey Pine), Maturing
Exotic conifer.
DBH: 65cm. Arb. Rating: Mod.C. Deadwood >50mm, mower damage to surface roots.. TPZ (rad. m): 7.8. SRZ (rad. m): 2.9.



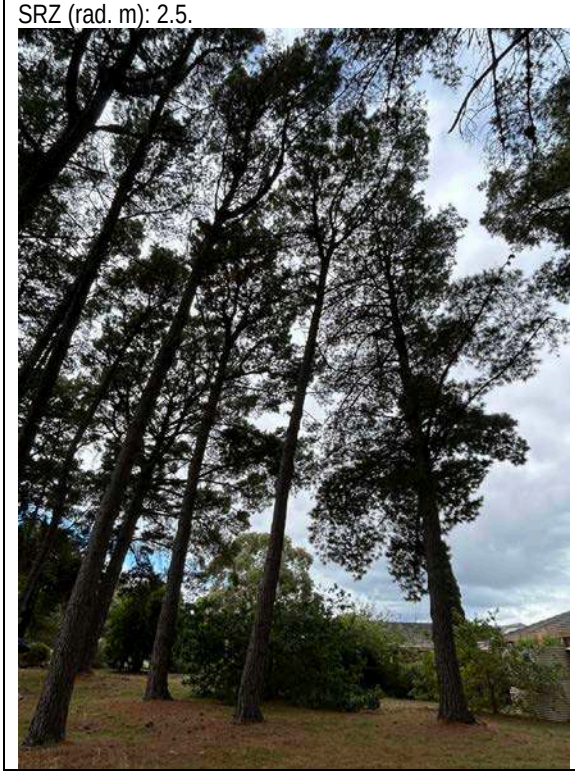
Tree ID: 70. *Pinus radiata* (Monterey Pine), Maturing
Exotic conifer.
DBH: 43cm. Arb. Rating: Low. Acute forks, co-dominant stems, deadwood >50mm, included bark.. TPZ (rad. m): 5.2. SRZ (rad. m): 2.4.



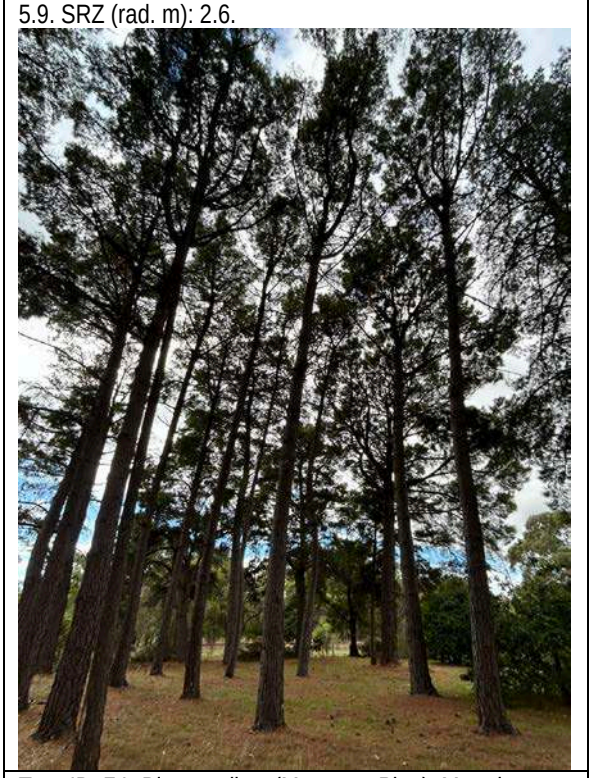
Tree ID: 71. *Pinus radiata* (Monterey Pine), Semi-mature
Exotic conifer.
DBH: 24cm. Arb. Rating: Low. Poor taper, reduced foliage density, poor stem/height ratio.. TPZ (rad. m): 2.9. SRZ (rad. m): 2.



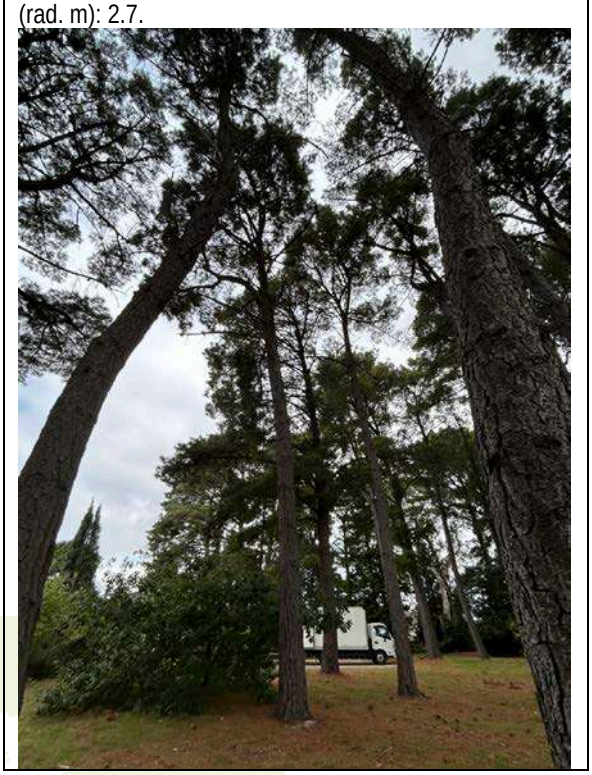
Tree ID: 72. *Pinus radiata* (Monterey Pine), Maturing
Exotic conifer.
DBH: 47cm. Arb. Rating: Low. Co-dominant stems, deadwood >50mm, leaning trunk.. TPZ (rad. m): 5.6. SRZ (rad. m): 2.5.



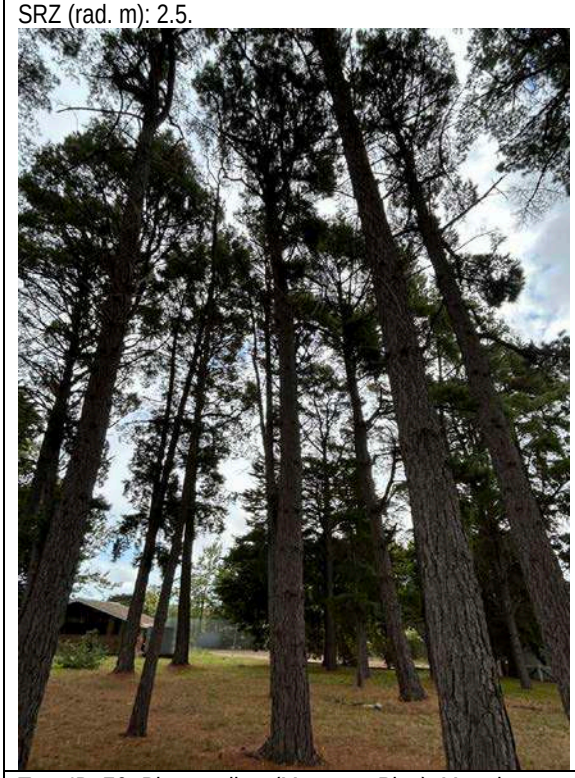
Tree ID: 73. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 49cm. Arb. Rating: Low. Deadwood >50mm. Minor trunk lean, limb competing for dominance. TPZ (rad. m): 5.9. SRZ (rad. m): 2.6.



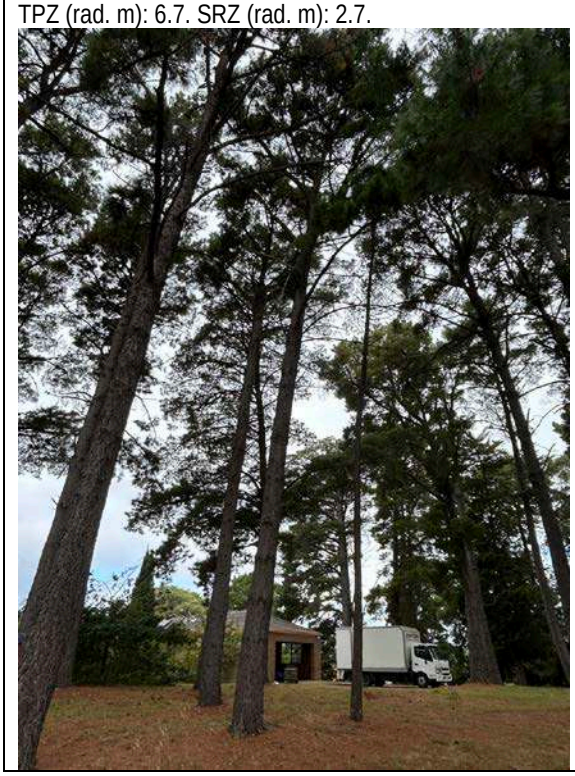
Tree ID: 74. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 56cm. Arb. Rating: Mod.C. Deadwood >50mm, mower damage to surface roots.. TPZ (rad. m): 6.7. SRZ (rad. m): 2.7.



Tree ID: 75. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 43cm. Arb. Rating: Mod.C. Co-dominant stems, deadwood >50mm, included bark.. TPZ (rad. m): 5.2. SRZ (rad. m): 2.5.

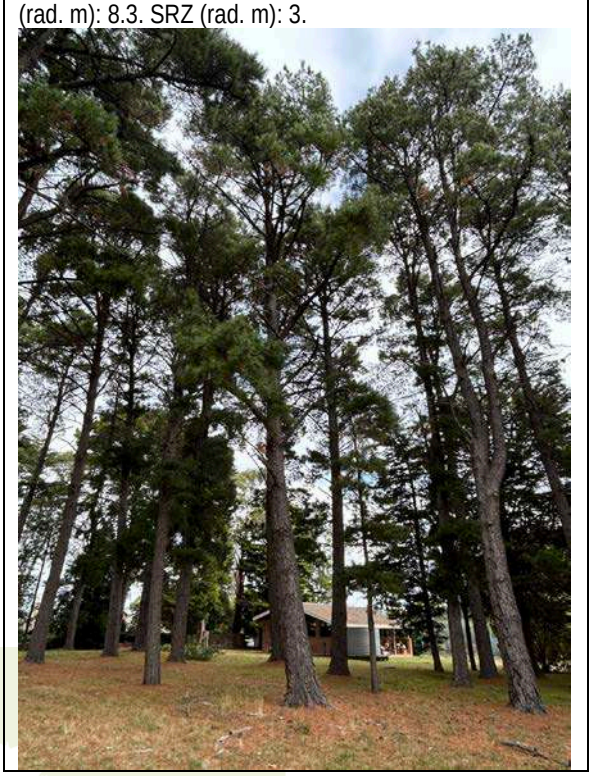


Tree ID: 76. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 56cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 6.7. SRZ (rad. m): 2.7.

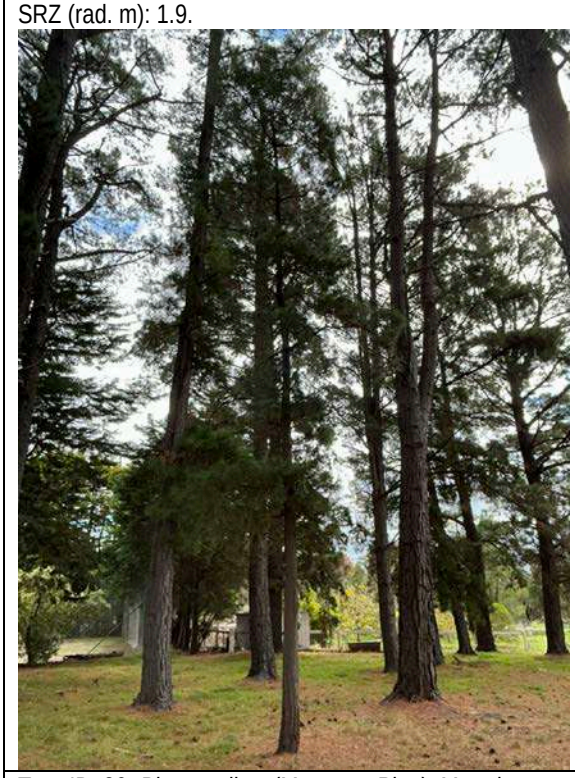


Tree ID: 77. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 57cm. Arb. Rating: Mod.C. Deadwood >50mm, past branch failure.. TPZ (rad. m): 6.8. SRZ (rad. m): 2.7.

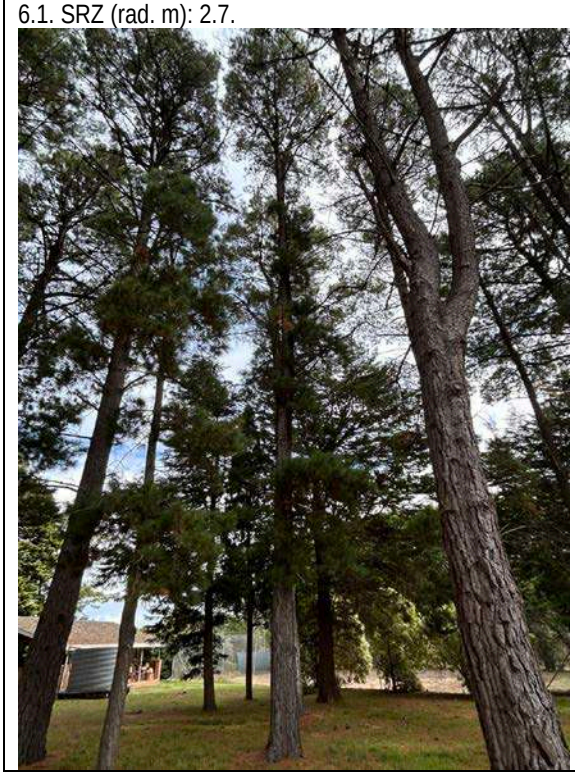
Tree ID: 78. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 69cm. Arb. Rating: Mod.C. Deadwood >50mm, leaning trunk, mower damage to surface roots.. TPZ (rad. m): 8.3. SRZ (rad. m): 3.



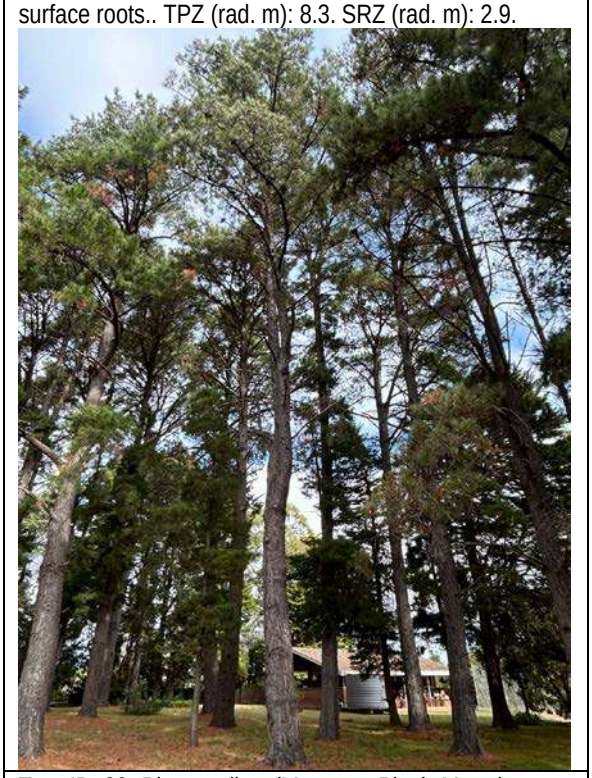
Tree ID: 79. *Pinus radiata* (Monterey Pine), Semi-mature Exotic conifer.
DBH: 19cm. Arb. Rating: Mod.C. NA. TPZ (rad. m): 2.3. SRZ (rad. m): 1.9.



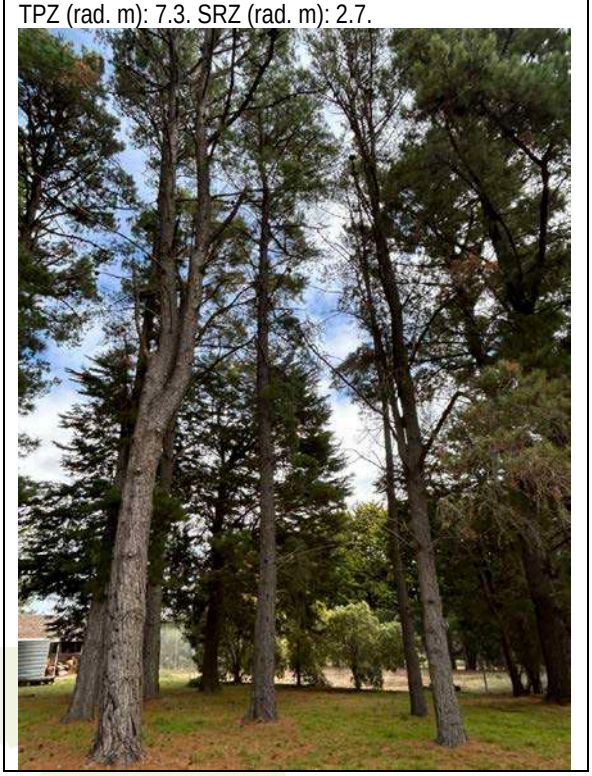
Tree ID: 80. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 51cm. Arb. Rating: Low. Acute forks, co-dominant stems, deadwood >50mm, included bark.. TPZ (rad. m): 6.1. SRZ (rad. m): 2.7.



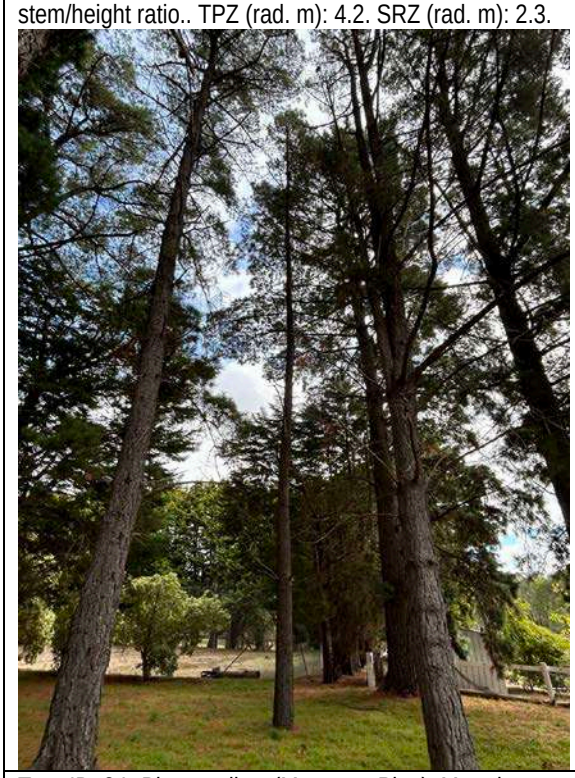
Tree ID: 81. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 69cm. Arb. Rating: Low. Co-dominant stems, deadwood >50mm, included bark, mower damage to surface roots.. TPZ (rad. m): 8.3. SRZ (rad. m): 2.9.



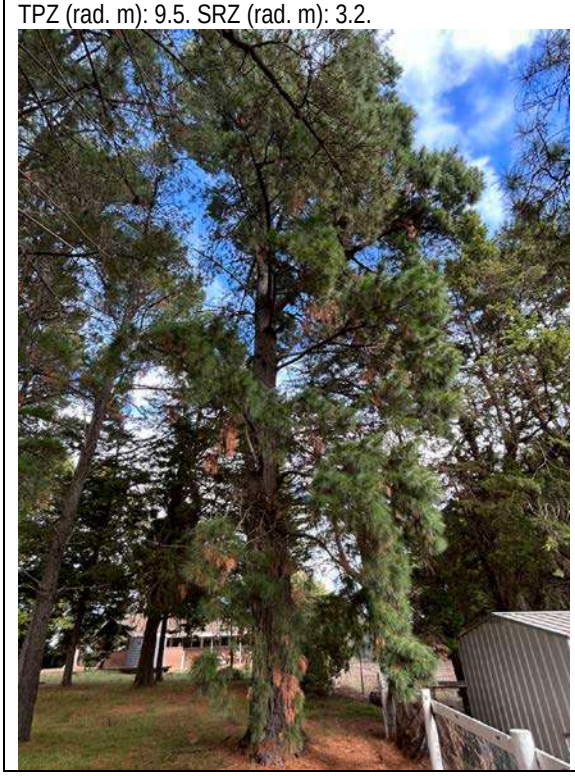
Tree ID: 82. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 61cm. Arb. Rating: Mod.C. Deadwood >50mm..
TPZ (rad. m): 7.3. SRZ (rad. m): 2.7.



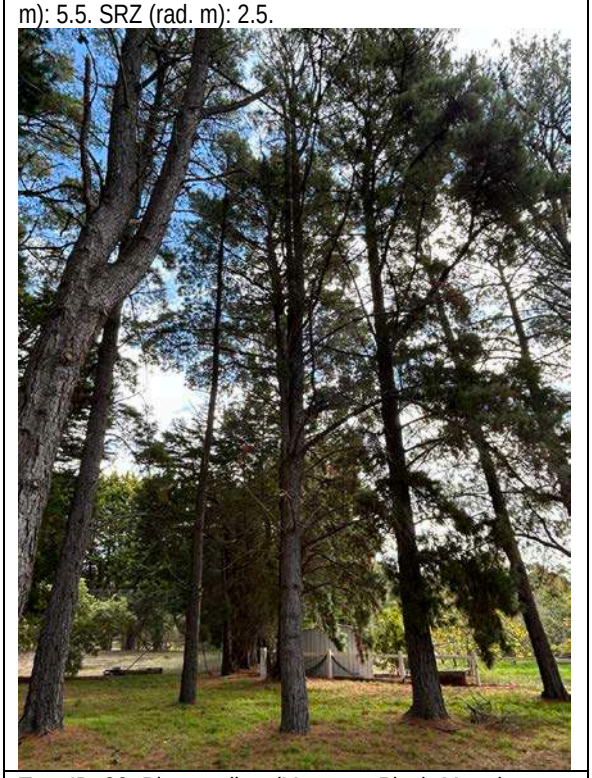
Tree ID: 83. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 35cm. Arb. Rating: Low. Deadwood >50mm, poor stem/height ratio.. TPZ (rad. m): 4.2. SRZ (rad. m): 2.3.



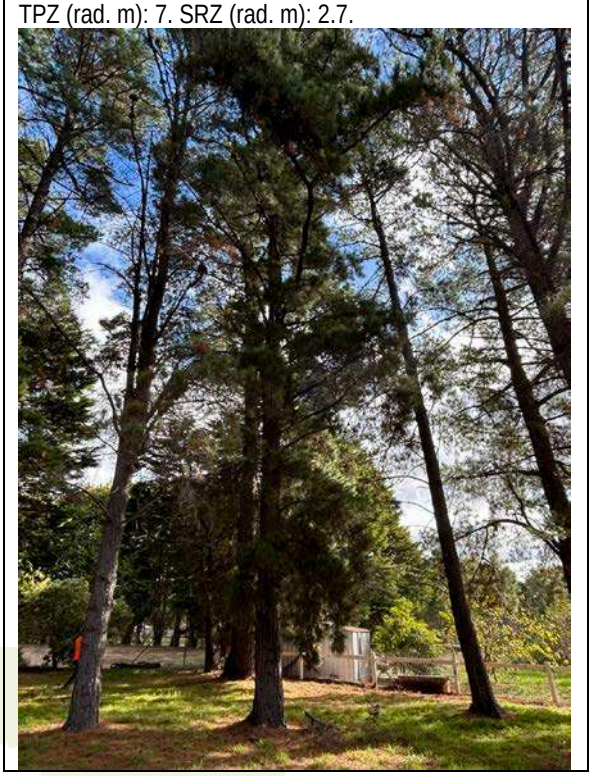
Tree ID: 84. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 79cm. Arb. Rating: Mod.B. Deadwood >50mm..
TPZ (rad. m): 9.5. SRZ (rad. m): 3.2.



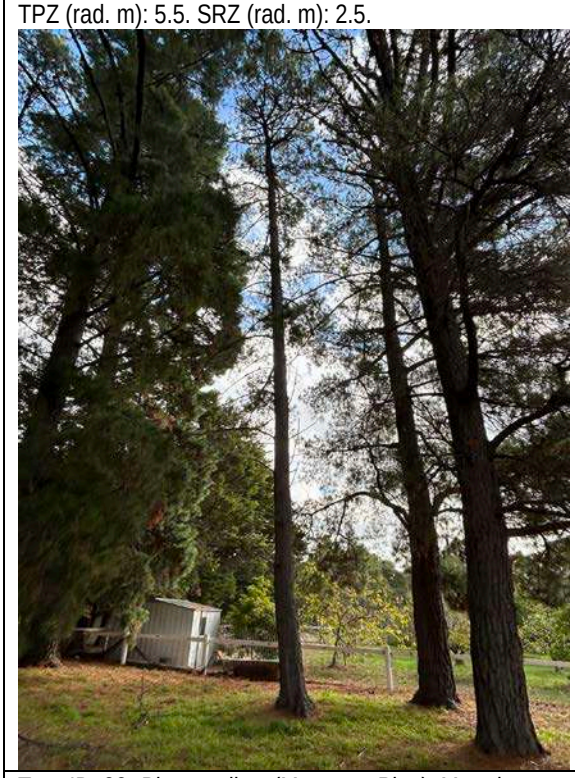
Tree ID: 85. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 46cm. Arb. Rating: Low. Acute forks, co-dominant stems, included bark, reduced foliage density.. TPZ (rad. m): 5.5. SRZ (rad. m): 2.5.



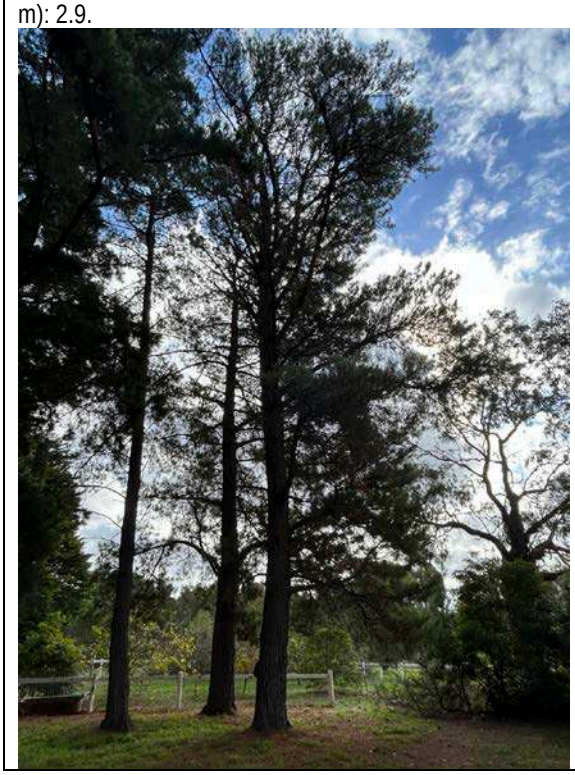
Tree ID: 86. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 58cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 7. SRZ (rad. m): 2.7.



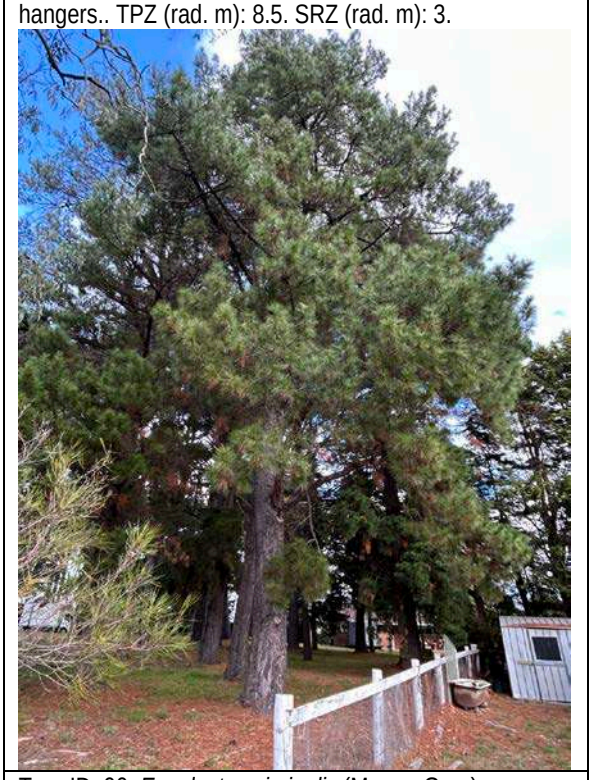
Tree ID: 87. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 46cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 5.5. SRZ (rad. m): 2.5.



Tree ID: 88. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 69cm. Arb. Rating: Low. Deadwood >50mm, mower damage to surface roots, reduced foliage density, tip dieback, crown bias-ne.. TPZ (rad. m): 8.3. SRZ (rad. m): 2.9.

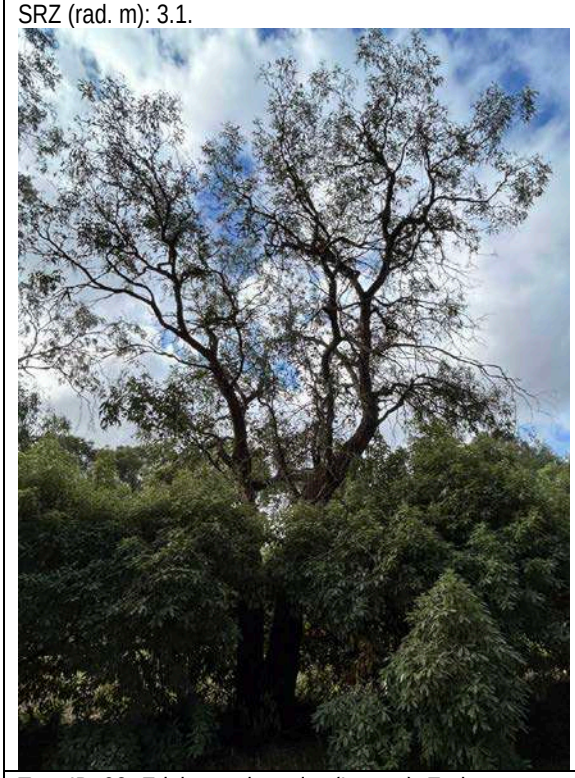


Tree ID: 89. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 71cm. Arb. Rating: Mod.B. Deadwood >50mm, hangers.. TPZ (rad. m): 8.5. SRZ (rad. m): 3.

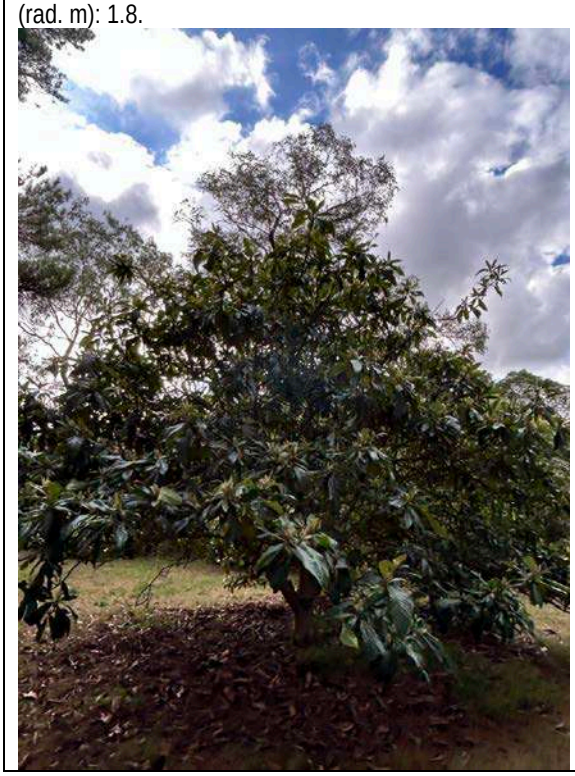


Tree ID: 90. *Eucalyptus viminalis* (Manna Gum), Maturing Victorian native.
DBH: 84cm. Arb. Rating: Mod.C. Acute forks, included bark, mower damage to surface roots. Minor tip dieback. TPZ (rad. m): 10.1. SRZ (rad. m): 3.2.

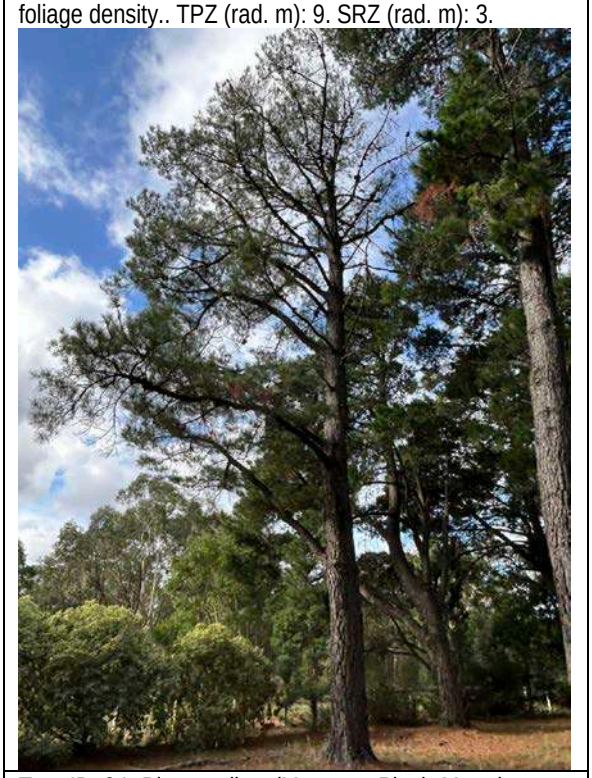
Tree ID: 91. *Eucalyptus cephalocarpa* (Mealy Stringybark), Maturing Australian native.
DBH: 55,48cm. Arb. Rating: Low. Bracket fungi, co-dominant stems, trunk wounds. Sp ?.. TPZ (rad. m): 8.8. SRZ (rad. m): 3.1.



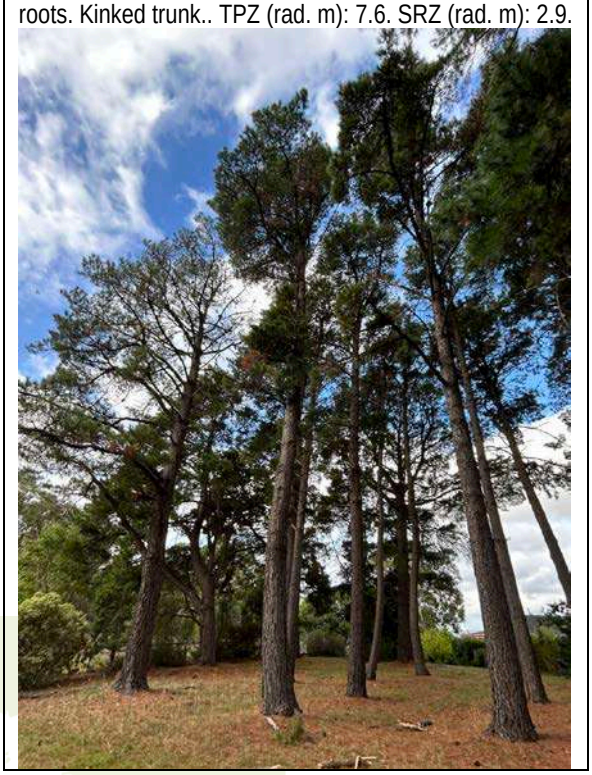
Tree ID: 92. *Eriobotrya japonica* (Loquat), Early-mature Exotic evergreen.
DBH: 14cm. Arb. Rating: Low. NA. TPZ (rad. m): 2. SRZ (rad. m): 1.8.



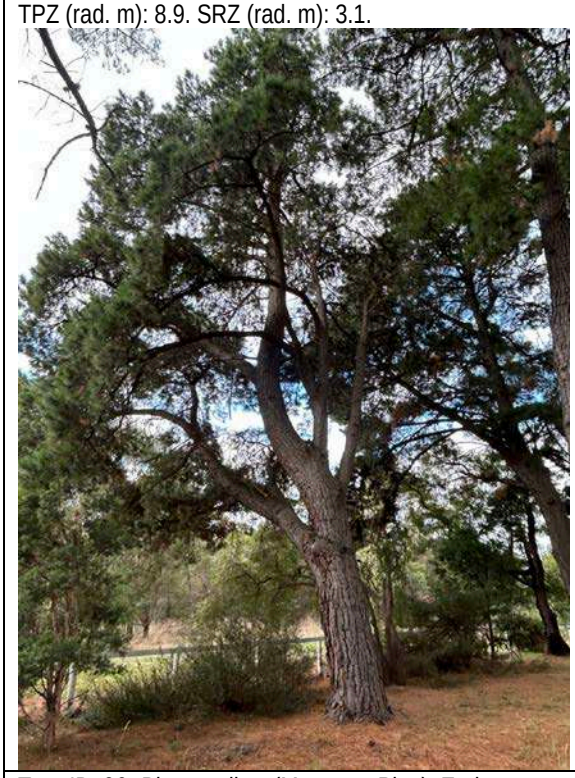
Tree ID: 93. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 75cm. Arb. Rating: Low. Deadwood >50mm, exposed roots, mower damage to surface roots, reduced foliage density.. TPZ (rad. m): 9. SRZ (rad. m): 3.



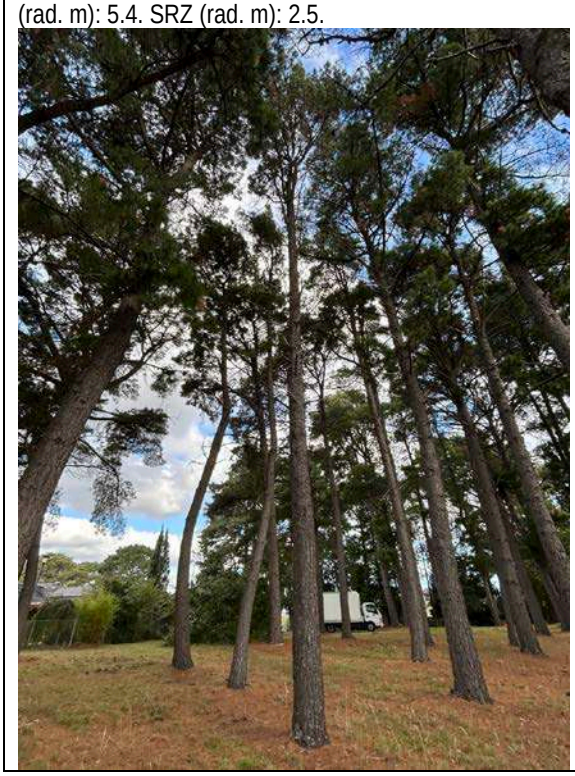
Tree ID: 94. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 63cm. Arb. Rating: Low. Deadwood >50mm, exposed roots, girdling root, mower damage to surface roots. Kinked trunk.. TPZ (rad. m): 7.6. SRZ (rad. m): 2.9.



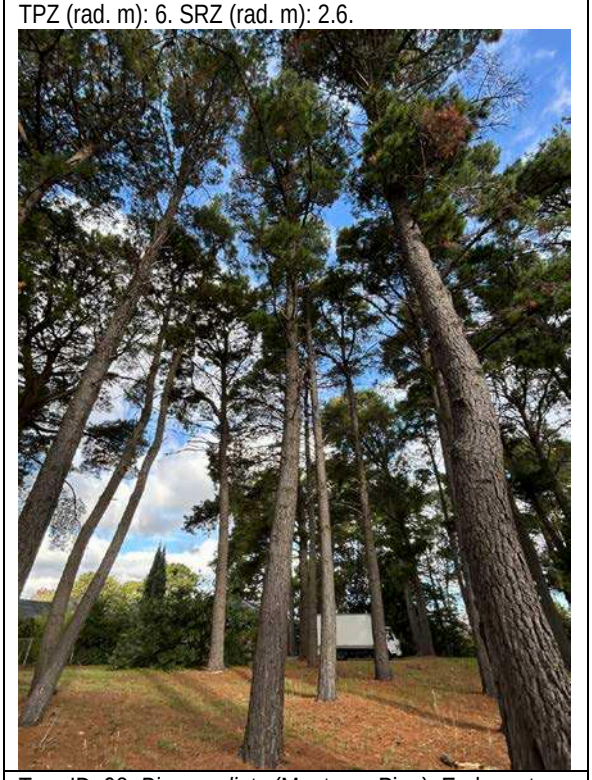
Tree ID: 95. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 74cm. Arb. Rating: Mod.C. Exposed roots, over-extended limbs developing, suppressed, crown bias- n.. TPZ (rad. m): 8.9. SRZ (rad. m): 3.1.



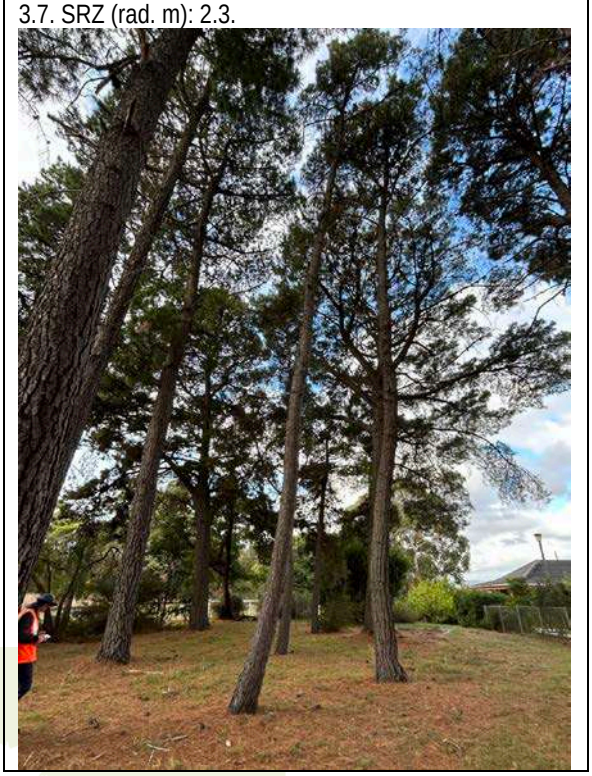
Tree ID: 96. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 45cm. Arb. Rating: Low. Deadwood >50mm.. TPZ (rad. m): 5.4. SRZ (rad. m): 2.5.



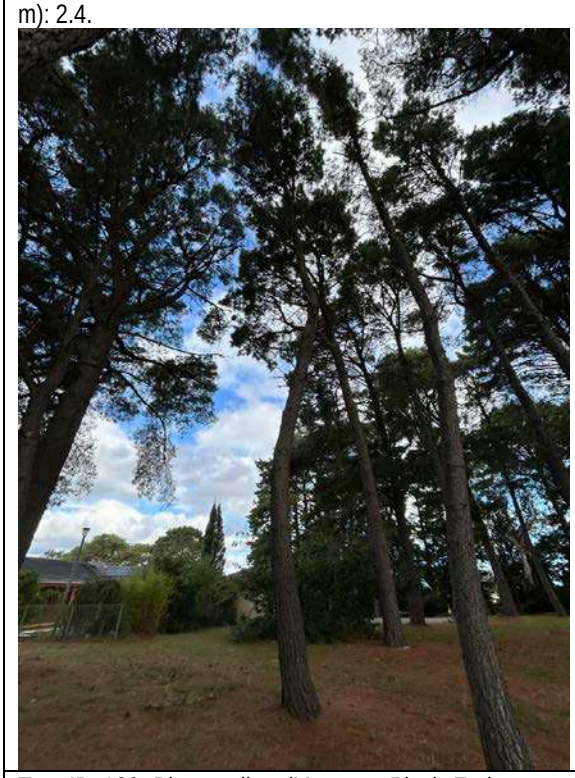
Tree ID: 97. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 50cm. Arb. Rating: Mod.C. Deadwood >50mm.. TPZ (rad. m): 6. SRZ (rad. m): 2.6.



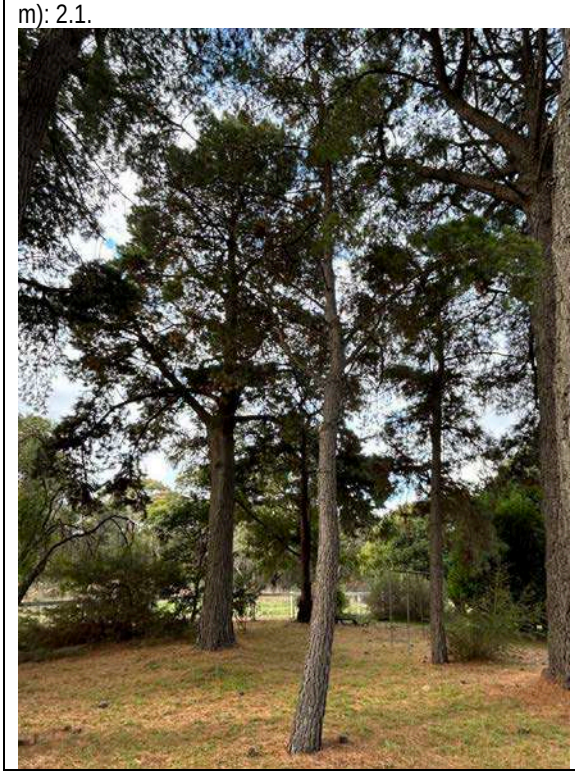
Tree ID: 98. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 31cm. Arb. Rating: Low. Deadwood >50mm, poor stem/height ratio. Self-corrected trunk lean. TPZ (rad. m): 3.7. SRZ (rad. m): 2.3.



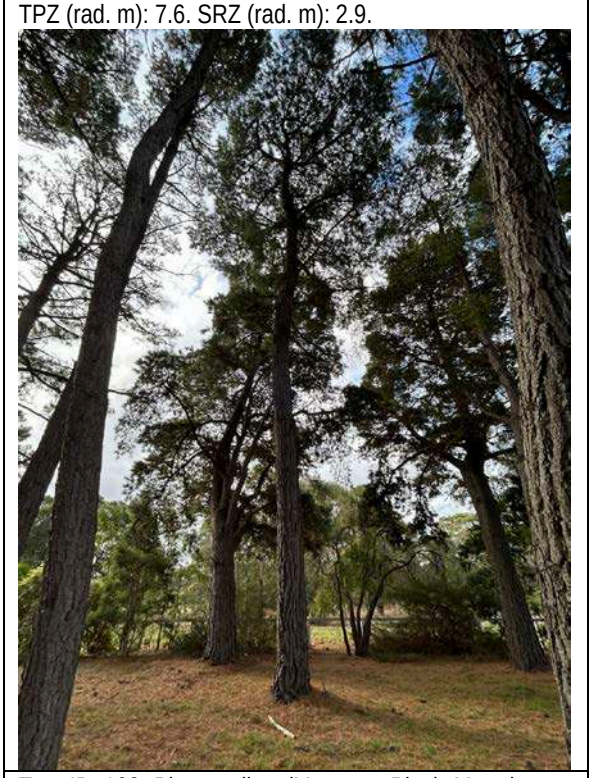
Tree ID: 99. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 42cm. Arb. Rating: Low. Deadwood >50mm. Bowed trunk -self corrected. TPZ (rad. m): 5. SRZ (rad. m): 2.4.



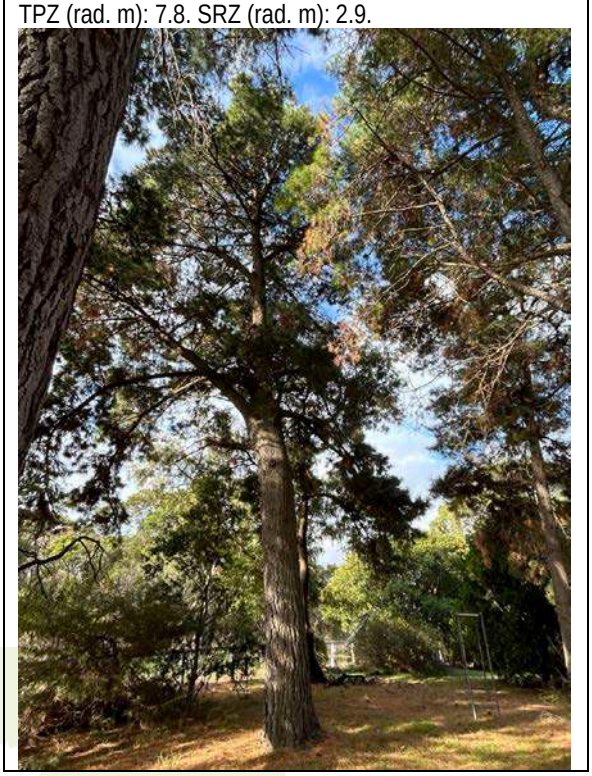
Tree ID: 100. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 27cm. Arb. Rating: Low. Deadwood, suppressed. Bowed trunk self-corrected. TPZ (rad. m): 3.2. SRZ (rad. m): 2.1.



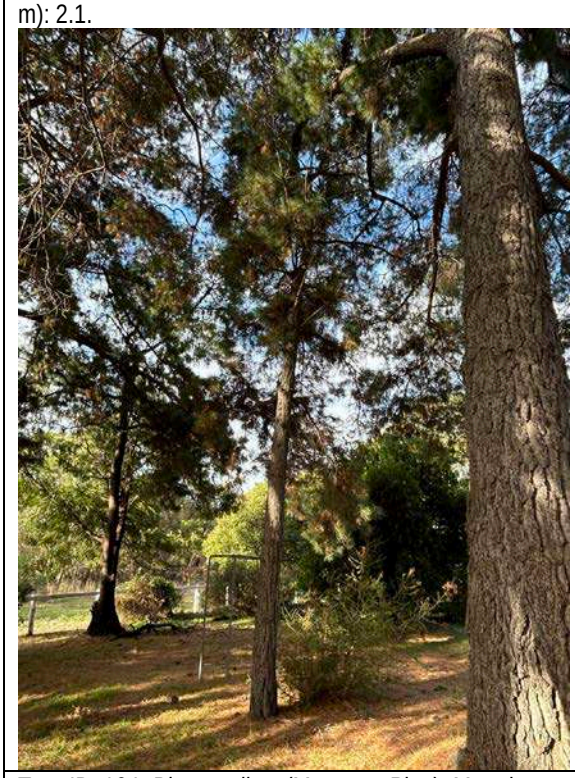
Tree ID: 101. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 63cm. Arb. Rating: Mod.B. Deadwood >50mm.. TPZ (rad. m): 7.6. SRZ (rad. m): 2.9.



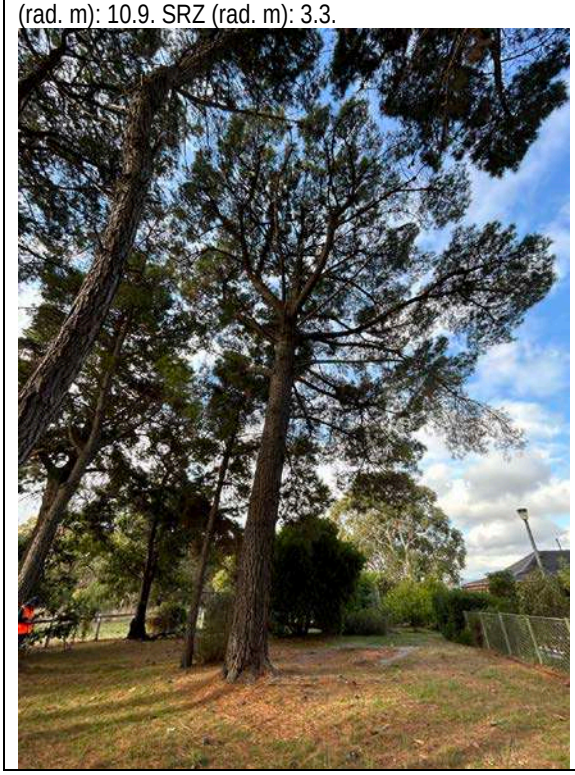
Tree ID: 102. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 65cm. Arb. Rating: Mod.C. Partly suppressed - crown bias, crown bias-ne. Bowed trunk self corrected. TPZ (rad. m): 7.8. SRZ (rad. m): 2.9.



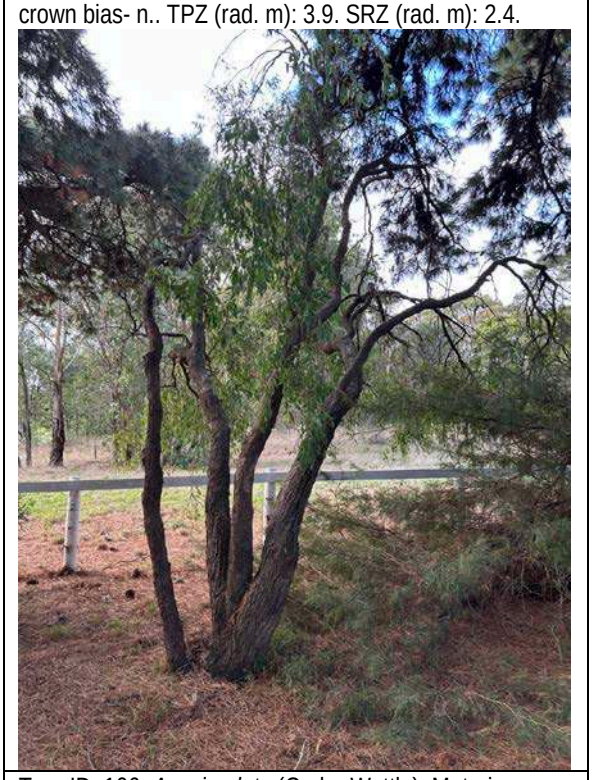
Tree ID: 103. *Pinus radiata* (Monterey Pine), Early-mature Exotic conifer.
DBH: 28cm. Arb. Rating: Low. Over-extended limbs developing, suppressed.. TPZ (rad. m): 3.4. SRZ (rad. m): 2.1.



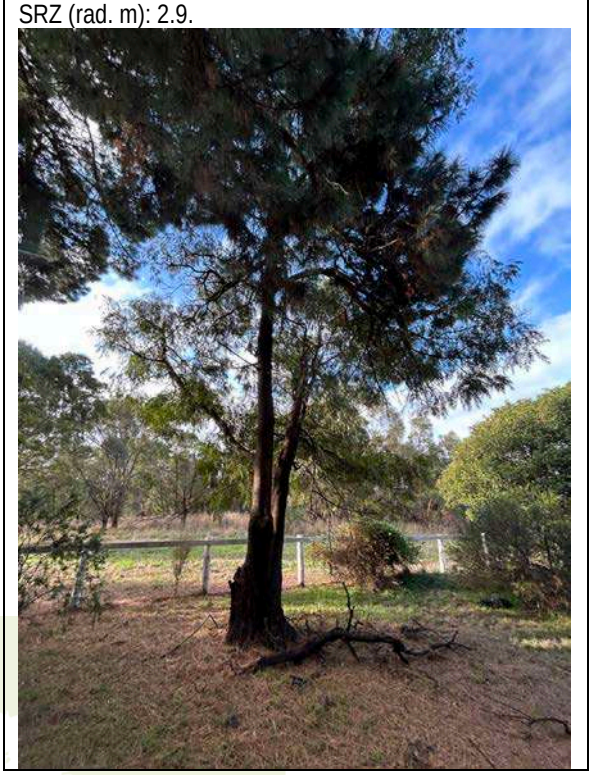
Tree ID: 104. *Pinus radiata* (Monterey Pine), Maturing Exotic conifer.
DBH: 91cm. Arb. Rating: Mod.B. Deadwood >50mm, exposed roots, mower damage to surface roots.. TPZ (rad. m): 10.9. SRZ (rad. m): 3.3.



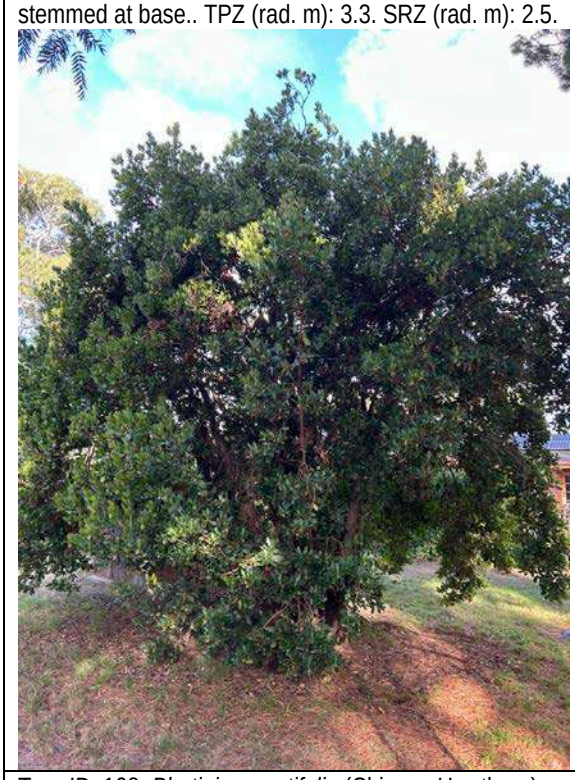
Tree ID: 105. *Eucalyptus radiata* (Narrow-leaved Peppermint), Early-mature Victorian native.
DBH: 22,17,12,12cm. Arb. Rating: Low. Suppressed, crown bias- n.. TPZ (rad. m): 3.9. SRZ (rad. m): 2.4.



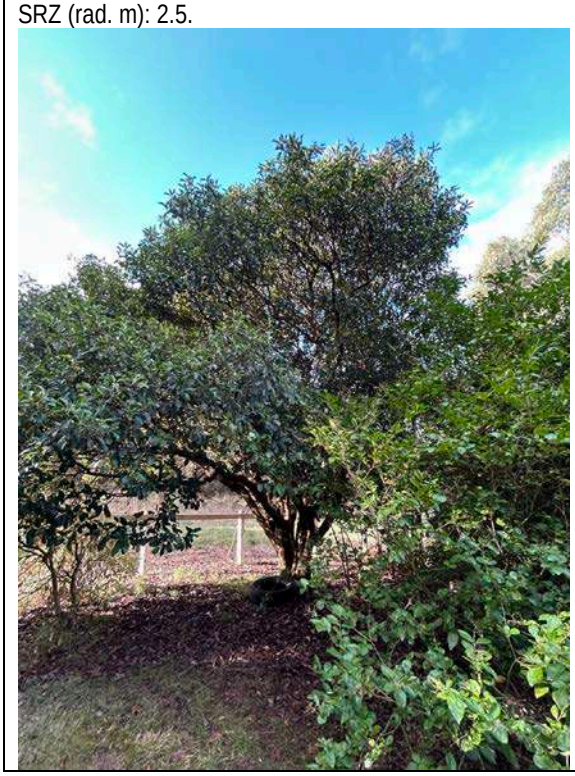
Tree ID: 106. *Acacia elata* (Cedar Wattle), Maturing Australian native.
DBH: 38,28cm. Arb. Rating: Low. Borers, co-dominant stems, past branch failure, past limb failure. Delaminating bark, trunk exudation. TPZ (rad. m): 5.7. SRZ (rad. m): 2.9.



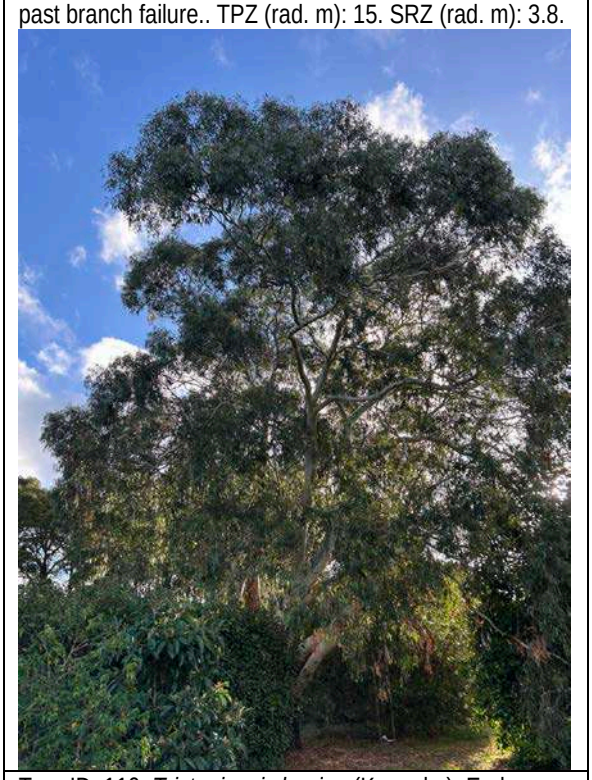
Tree ID: 107. *Arbutus unedo* (Irish Strawberry Tree), Early-mature Exotic evergreen.
DBH: 14,12,12,12,12cm. Arb. Rating: Low. Multi-stemmed at base.. TPZ (rad. m): 3.3. SRZ (rad. m): 2.5.



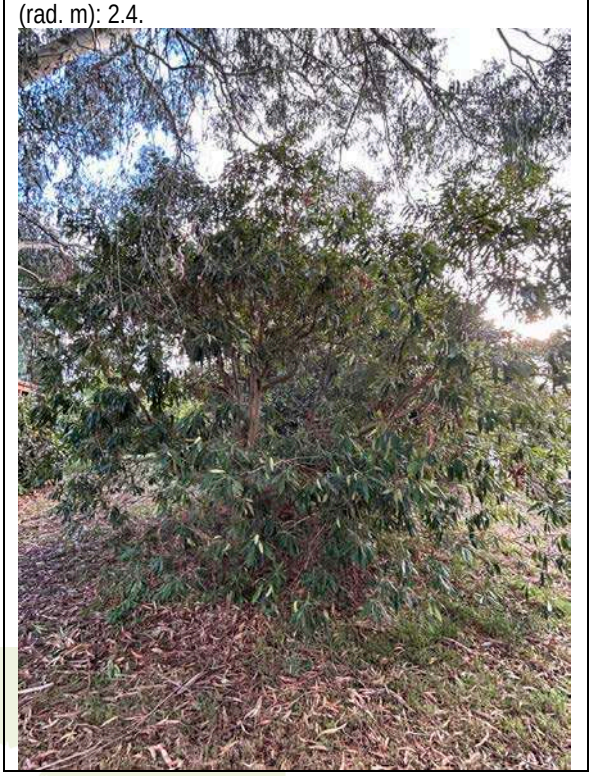
Tree ID: 108. *Photinia serratifolia* (Chinese Hawthorn), Maturing Exotic evergreen.
DBH: 33,25,20,18cm. Arb. Rating: Mod.C. Co-dominant stems, included bark, multi-stemmed.. TPZ (rad. m): 5.9. SRZ (rad. m): 2.5.



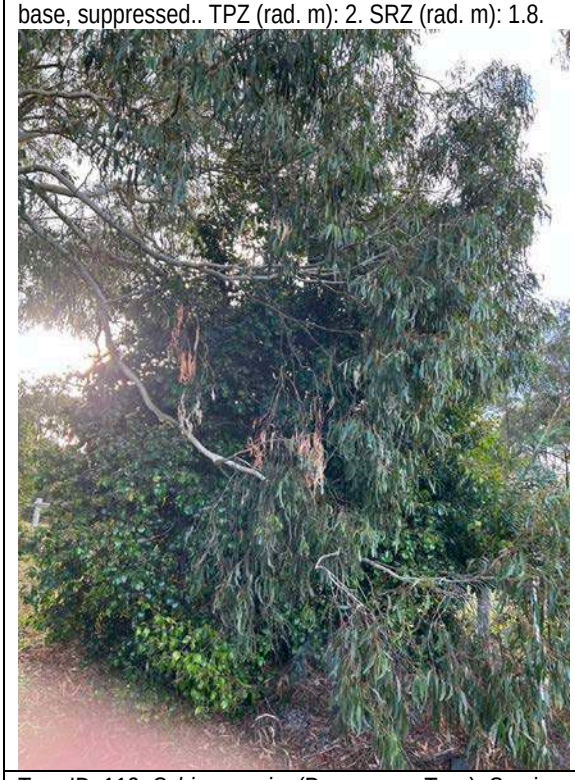
Tree ID: 109. *Eucalyptus mannifera* (Brittle Gum), Maturing Australian native.
DBH: 140cm. Arb. Rating: Mod.A. Deadwood >50mm, past branch failure.. TPZ (rad. m): 15. SRZ (rad. m): 3.8.



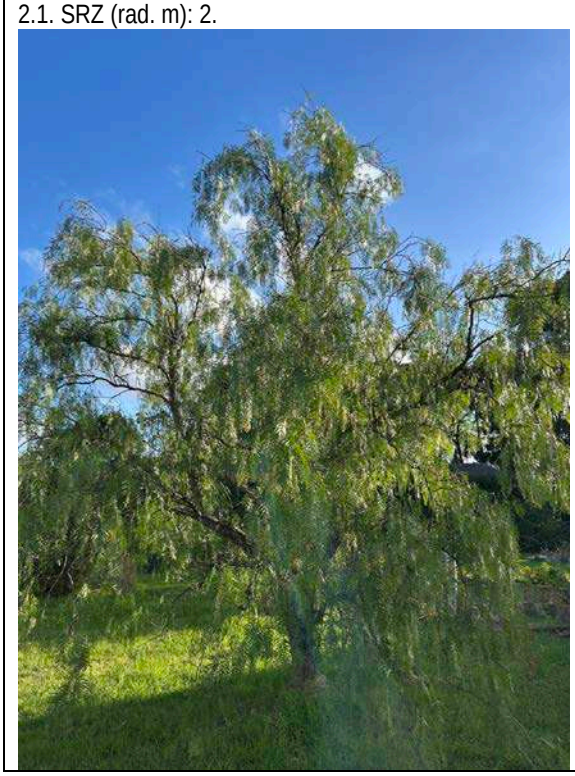
Tree ID: 110. *Tristaniopsis laurina* (Kanooka), Early-mature Australian native.
DBH: 14,12,12,10,10cm. Arb. Rating: Low. Multi-stemmed at base, suppressed.. TPZ (rad. m): 3.1. SRZ (rad. m): 2.4.



Tree ID: 111. *Syzygium sp.* (Lilly Pilly), Early-mature Australian native.
DBH: 9,9,9,8,8cm. Arb. Rating: Low. Multi-stemmed at base, suppressed.. TPZ (rad. m): 2. SRZ (rad. m): 1.8.

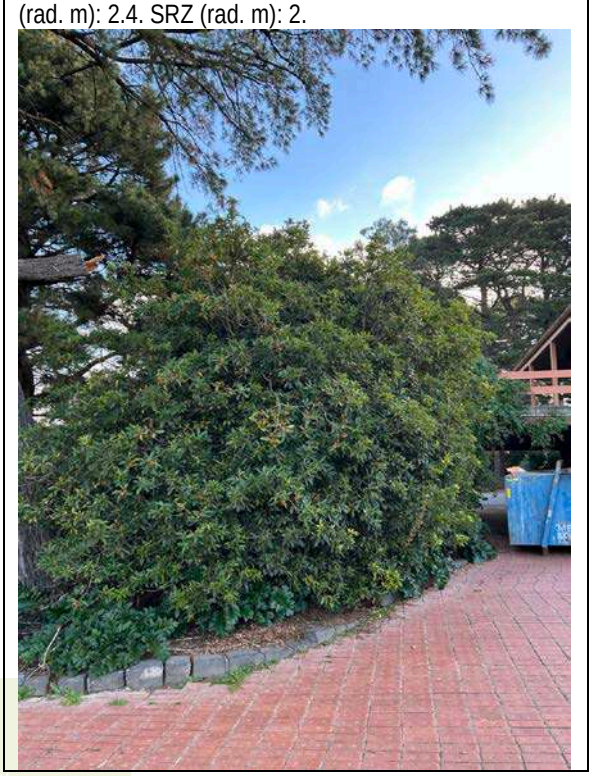


Tree ID: 112. *Schinus areira* (Peppercorn Tree), Semi-mature Exotic evergreen.
DBH: 13,12,7cm. Arb. Rating: Low. NA. TPZ (rad. m): 2.1. SRZ (rad. m): 2.

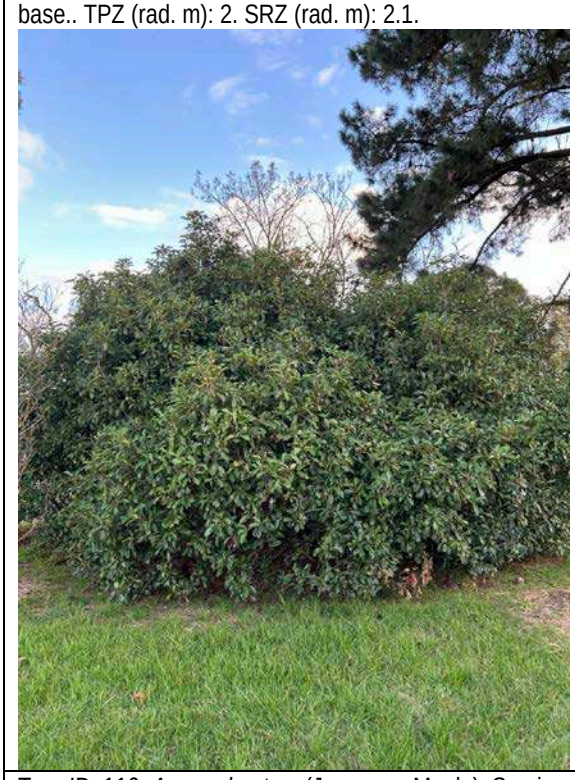


Tree ID: 113. *Eucalyptus melliodora* (Yellow Box), Semi-mature Victorian native.
DBH: 7,7cm. Arb. Rating: Low. NA. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

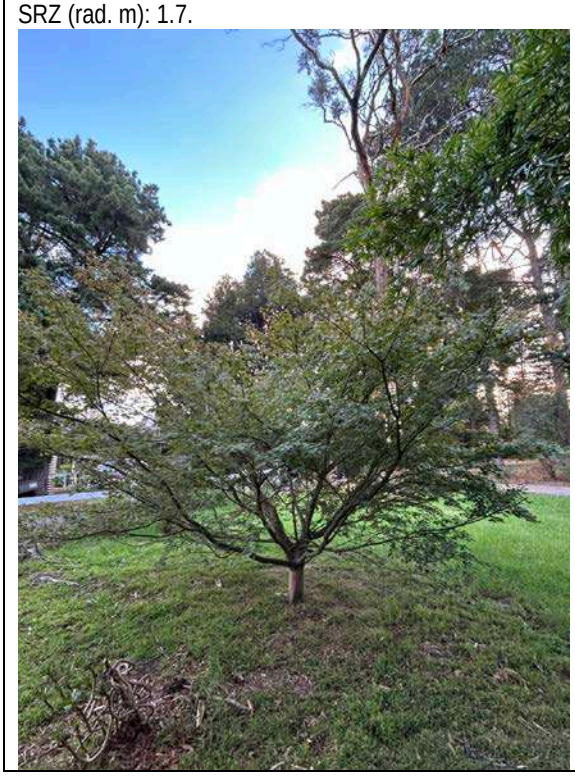
Tree ID: 114. *Pittosporum undulatum* (Sweet Pittosporum), Early-mature Victorian native.
DBH: 20cm. Arb. Rating: Low. Environmental Weed. TPZ (rad. m): 2.4. SRZ (rad. m): 2.



Tree ID: 115. *Photinia serratifolia* (Chinese Hawthorn), Early-mature Exotic evergreen.
DBH: 5,5,5,5cm. Arb. Rating: Low. Multi-stemmed at base.. TPZ (rad. m): 2. SRZ (rad. m): 2.1.



Tree ID: 116. *Acer palmatum* (Japanese Maple), Semi-mature Exotic deciduous.
DBH: 6,4,4,4cm. Arb. Rating: Low. NA. TPZ (rad. m): 2. SRZ (rad. m): 1.7.



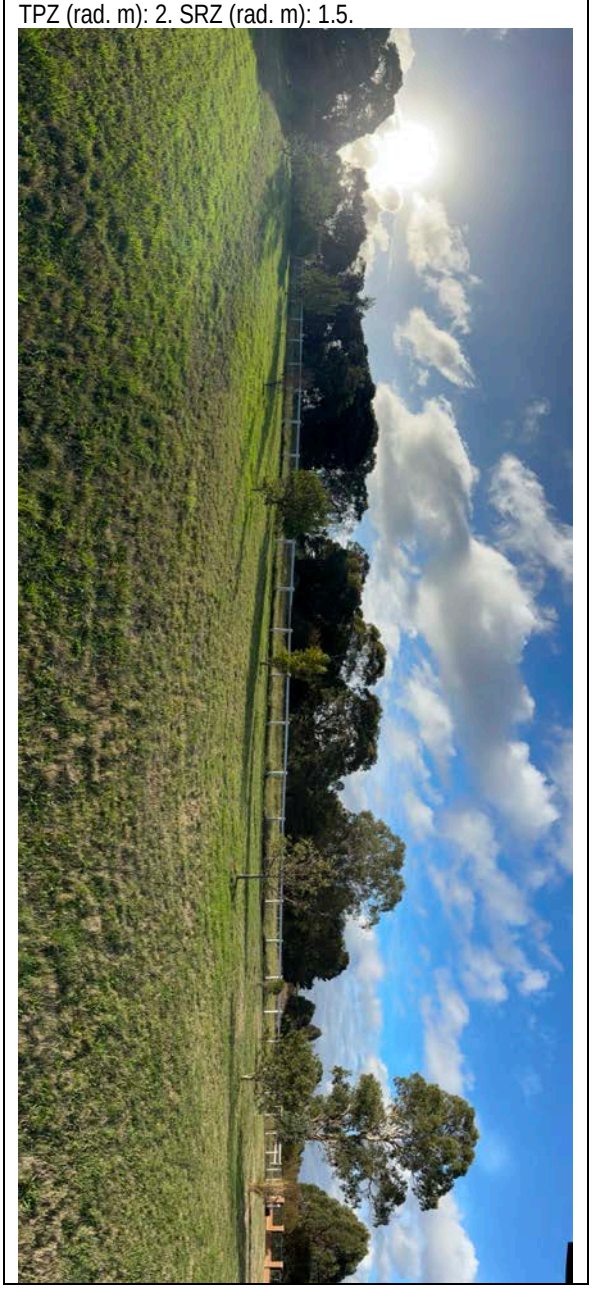
Tree ID: 117. *Acacia implexa* (Lightwood), Semi-mature Victorian native.
DBH: 20,18,15cm. Arb. Rating: Low. NA. TPZ (rad. m): 3.7. SRZ (rad. m): 2.1.

Tree ID: G1. *Syzygium sp.;Waterhousea floribunda* (Lilly Pilly;Weeping Lilly Pilly), Young Australian native;Australian native.
DBH: 2cm. Arb. Rating: Low. 6 Stems. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: G10. *Pittosporum eugenioides 'Variegatum'* (Variegated Tarata), Semi-mature Exotic evergreen.
DBH: 10cm. Arb. Rating: Low. 14 Stems. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

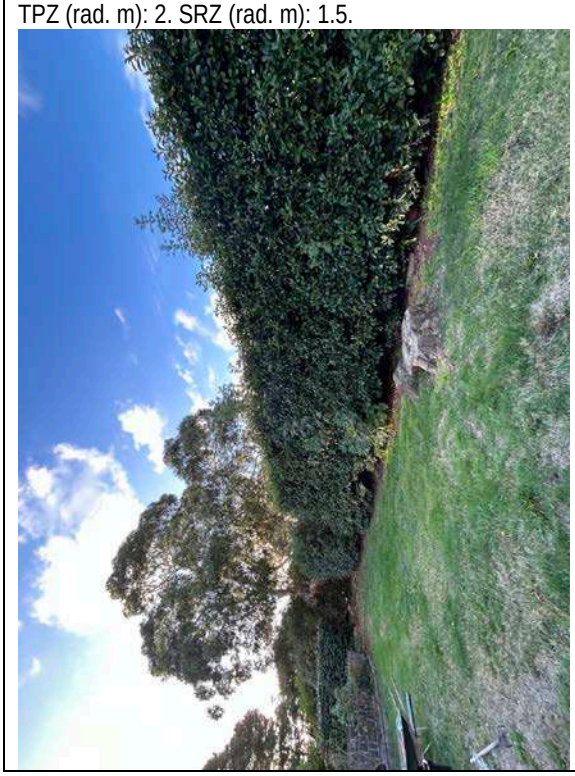
Tree ID: G11. *Juniperus sp.;Viburnum sp.* (Juniper;Wayfaring Tree), Semi-mature Exotic conifer;Exotic deciduous.
DBH: 8cm. Arb. Rating: Low. 14 Stems, Amenity shrubs.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Tree ID: G2. *Citrus sp.;Ficus carica;Macadamia tetraphylla;Malus sp.;Prunus sp.;Punica granatum* (Citrus Tree;Common Fig;Macadamia Nut;Apple;Almond, Cherry, Peach, Plum), Early-mature Exotic evergreen;Exotic deciduous;Australian native;Exotic deciduous;Exotic deciduous.
DBH: 10cm. Arb. Rating: Low. 8 Stems, Amenity hedge.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

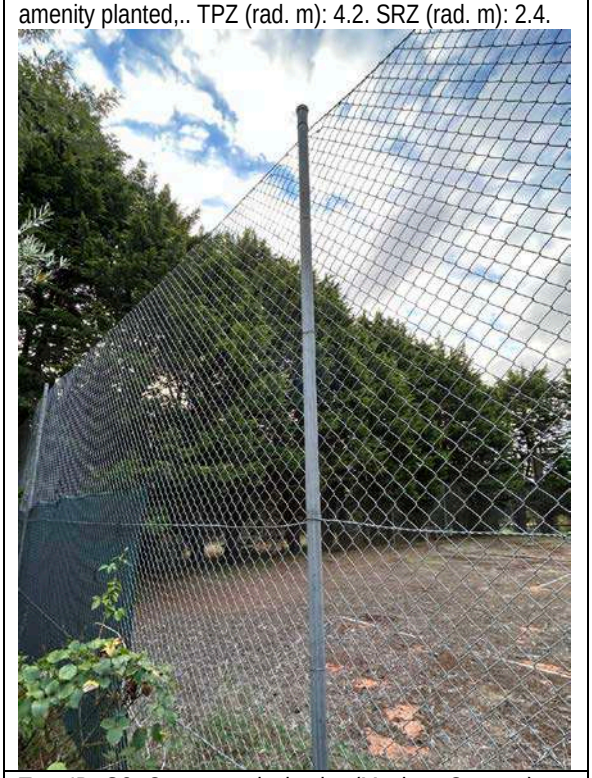


Tree ID: G3. *Betula pendula;Camellia japonica;Ligustrum sp.;Malus sp.* (Silver Birch;Camellia;Privet;Apple), Semi-mature Exotic deciduous;Exotic evergreen;Exotic evergreen;Exotic deciduous.
DBH: 7cm. Arb. Rating: Low. 20 stems. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

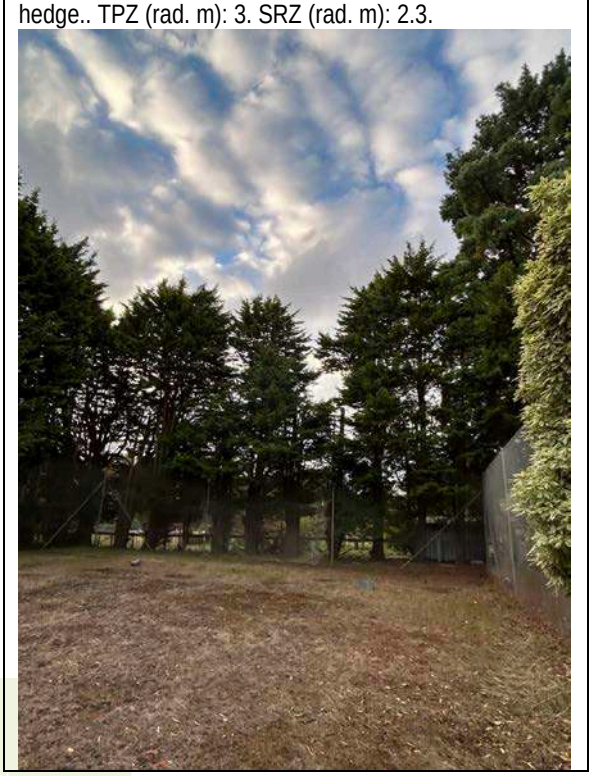
Tree ID: G4. *Fraxinus angustifolia;Photinia serratifolia* (Narrow-leaved Ash;Chinese Hawthorn), Early-mature Exotic deciduous;Exotic evergreen.
DBH: 10cm. Arb. Rating: Low. 8 stems, Amenity shrubs.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.



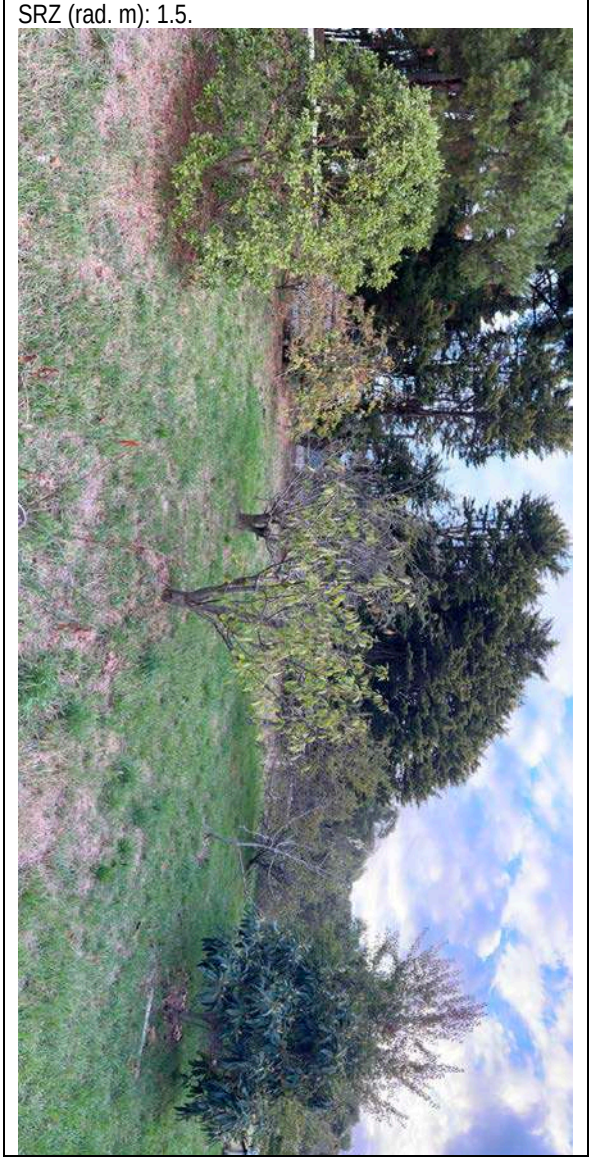
Tree ID: G7. *Cupressus lusitanica* (Mexican Cypress), Early-mature Exotic conifer.
DBH: 35cm. Arb. Rating: Mod.C. 17 stems. Fruit trees amenity planted,.. TPZ (rad. m): 4.2. SRZ (rad. m): 2.4.



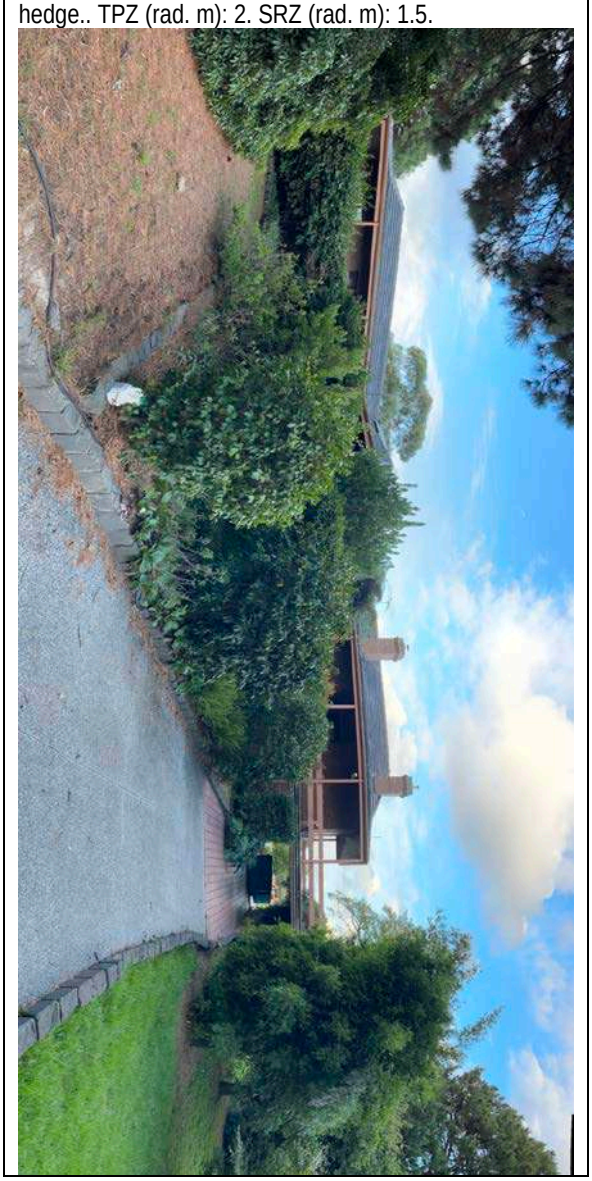
Tree ID: G8. *Cupressus lusitanica* (Mexican Cypress), Early-mature Exotic conifer.
DBH: 25cm. Arb. Rating: Low. 16 stems. Amenity hedge.. TPZ (rad. m): 3. SRZ (rad. m): 2.3.



Tree ID: G9. *Diospyros kaki;Eriobotrya japonica;Ficus carica;Malus sp.;Pittosporum undulatum;Prunus sp.* (Persimmon;Loquat;Common Fig;Apple;Sweet Pittosporum), Semi-mature Exotic deciduous;Exotic evergreen;Exotic deciduous;Exotic deciduous;Victorian native.
DBH: 8cm. Arb. Rating: Low. 17 stems. TPZ (rad. m): 2. SRZ (rad. m): 1.5.



Tree ID: G5. *Arbutus sp.;Bambusa sp.;Camellia japonica;Dicksonia antarctica;Fagus sylvatica;Viburnum tinus* (Strawberry Tree;Bamboo;Camellia;Soft Tree Fern;European Beech), Semi-mature Exotic evergreen;Exotic grass;Exotic evergreen;Victorian native;Exotic deciduous.
DBH: 10cm. Arb. Rating: Low. 16 stems. Windrow hedge.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.



Tree ID: G6. *Camellia japonica;Olea europaea;Pittosporum eugenioides 'Variegatum'* (Camellia;Olive;Variegated Tarata), Semi-mature Exotic evergreen;Exotic evergreen;Exotic evergreen.
DBH: 10cm. Arb. Rating: Low. 12 stems. Past branch failure, past limb failure.. TPZ (rad. m): 2. SRZ (rad. m): 1.5.

Appendix 3 - Arboricultural Descriptors (February 2019)

Note that not all of the described tree descriptors may be used in a tree assessment and report. The assessment is undertaken with regard to contemporary arboricultural practices and consists of a visual inspection of external and above-ground tree parts.

1. Tree Condition

The assessment of tree condition evaluates factors of health and structure. The descriptors of health and structure attributed to a tree evaluate the individual specimen to what could be considered typical for that species growing in its location under current climatic conditions. For example, some species can display inherently poor branching architecture, such as multiple acute branch attachments with included bark. Whilst these structural defects may technically be considered arboriculturally poor, they are typical for the species and may not constitute an increased risk of failure. These trees may be assigned a structural rating of fair-poor (rather than poor) at the discretion of the assessor.

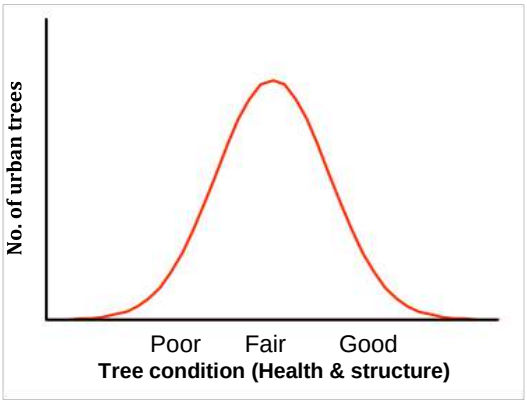


Diagram 1: Indicative normal distribution curve for tree condition

Diagram 1 provides an indicative distribution curve for tree condition to illustrate that within a normal tree population the majority of specimens are centrally located within the condition range (normal distribution curve). Furthermore, that those individual trees with an assessed condition approaching the outer ends of the spectrum occur less often.

2. Tree Name

Provides botanical name, (genus, species, variety and cultivar) according to accepted international code of taxonomic classification, and common name.

3. Tree Type

Describes the general geographic origin of the species and its type e.g. deciduous or evergreen.

Category	Description
Indigenous	Occurs naturally in the area or region of the subject site. Remnant.
Victorian native	Occurs naturally within some part of the State of Victoria (not exclusively) but is not indigenous (component of EVC benchmark). Could be planted indigenous trees.
Australian native	Occurs naturally within Australia but is not a Victorian native or indigenous
Exotic deciduous	Occurs outside of Australia and typically sheds its leaves during winter
Exotic evergreen	Occurs outside of Australia and typically holds its leaves all year round
Exotic conifer	Occurs outside of Australia and is classified as a gymnosperm
Native conifer	Occurs naturally within Australia and is classified as a gymnosperm
Native Palm	Occurs naturally within Australia. Woody monocotyledon
Exotic Palm	Occurs outside of Australia. Woody monocotyledon

4. Height and Width

Indicates height and width of the individual tree; dimensions are expressed in metres. Crown heights are measured with a height meter where possible. Due to the topography of some sites and/or the density of vegetation it may not be possible to do this for every tree. Tree heights may be estimated in line with previous height meter readings in conjunction with assessor's experience. Crown widths are generally paced (estimated) at the widest axis or can be measured on two axes and averaged. In some instances, the crown width can be measured on the four cardinal direction points (North, South, East and West).

Crown height, crown spread are generally recorded to the nearest half metre (crown spread would be rounded up) for dimensions up to 10 m and the nearest whole metre for dimensions over 10 m. Estimated dimensions (e.g. for off-site or

otherwise inaccessible trees where accurate data cannot be recovered) shall be clearly identified in the assessment data.

5. Trunk diameters

The position where trunk diameters are captured may vary dependent on the requirements of the specific assessment and an individual trees specific characteristics. DBH is the typical trunk diameter captured as it relates to the allocation of tree protection distances. The basal trunk diameter assists in the allocation of a structural root zone. Some municipalities require trunk diameters be captured at different heights, with 1.0 m above grade being a common requirement. The specific planning schemes will be checked to ascertain requirements.

Stem diameters shall be recorded in centimetres, rounded to the nearest 1 cm (0.01 m).

Diameter at Breast Height (DBH)

Indicates the trunk diameter (expressed in centimetres) of an individual tree measured at 1.4m above the existing ground level or where otherwise indicated, multiple leaders are measured individually. Plants with multiple leader habit may be measured at the base. The range of methods to suit particular trunk shapes, configurations and site conditions can be seen in Appendix A of Australian Standard AS 4970-2009 Protection of trees on development sites. Measurements undertaken using foresters' tape or builders' tape.

Basal trunk diameter

The basal dimension is the trunk diameter measured at the base of the trunk or main stem(s) immediately above the root buttress. Used to ascertain the Structural Root Zone (SRZ) as outlined in AS4970.

6. Health

Assesses various attributes to describe the overall health and vitality of the tree.

Category	Vitality, Extension growth	Decline symptoms, Deadwood, Dieback	Foliage density, colour, size, intactness	Pests and or disease
Good	Above typical. Excellent. Full canopy density	Negligible	Better than typical	Negligible
Fair	Typical vitality. >80% canopy density	Minor or expected. Little or no dead wood	Typical. Minor deficiencies or defects could be present.	Minor, within damage thresholds
Fair to Poor	Below typical - low vitality	More than typical. Small sub-branch dieback	Exhibiting deficiencies. Could be thinning, or smaller	Exceeds damage thresholds
Poor	Minimal - declining	Excessive, large and/or prominent amount & size of dead wood. Significant dieback	Exhibiting severe deficiencies. Thinning foliage, generally smaller or deformed	Extreme and contributing to decline
Dead	N/A	N/A	N/A	N/A

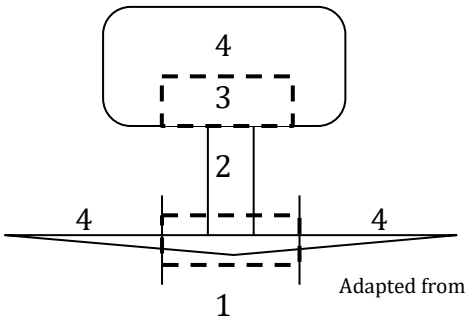
7. Structure

Assesses principal components of tree structure (Diagram 2).

Descriptor	Zone 1 - Root plate & lower stem	Zone 2 - Trunk	Zone 3 - Primary branch support	Zone 4 - Outer crown and roots
Good	No obvious damage, disease or decay; obvious basal flare / stable in ground	No obvious damage, disease or decay; well tapered	Well formed, attached, spaced and tapered. No history of failure.	No obvious damage, disease, decay or structural defect. No history of failure.
Fair	Minor damage or decay. Basal flare present.	Minor damage or decay	Generally, well attached, spaced and tapered branches. Minor structural deficiencies may be present or developing. No history of branch failure.	Minor damage, disease or decay; minor branch end-weight or over-extension. No history of branch failure.
Fair to Poor	Moderate damage or decay; minimal basal flare.	Moderate damage or decay; approaching recognised thresholds	Weak, decayed or with acute branch attachments; previous branch failure evidence.	Moderate damage, disease or decay; moderate branch end-weight or over-extension. Minor branch failure evident.
Poor	Major damage, disease or decay; fungal fruiting bodies present. Excessive lean placing pressure on root plate	Major damage, disease or decay; exceeds recognised thresholds; fungal fruiting bodies present. Acute lean. Stump re-sprout	Decayed, cavities or has acute branch attachments with included bark; excessive compression flaring; failure likely. Evidence of major branch failure.	Major damage, disease or decay; fungal fruiting bodies present; major branch end-weight or over-extension. Branch failure evident.
Very Poor	Excessive damage, disease or decay; unstable / loose in ground; altered exposure; failure probable	Excessive damage, disease or decay; cavities. Excessive lean. Stump re-sprout	Decayed, cavities or branch attachments with active split, failure imminent. History of major branch failure.	Excessive damage, disease or decay; excessive branch end-weight or over-extension. History of branch failure.

Diagram 2: Tree structure zones

1. Root plate & lower stem
2. Trunk
3. Primary branch support
4. Outer crown & roots



Adapted from Coder (1996)

Structure ratings will also consider general branching architecture, stem taper, live crown ratio, crown symmetry (bias or lean) and crown position such as tree being suppressed amongst more dominant trees.

The lowest or worst descriptor assigned to the tree in any column could generally be the overall rating assigned to the tree. The assessment for structure is limited to observations of external and above ground tree parts. It does not include any exploratory assessment of underground or internal tree parts unless this is requested as part of the investigation. Trees are assessed and then given a rating for a point in time. Generally, trees with a poor or very poor structure are beyond the benefit of practical arboricultural treatments.

The management of trees in the urban environment requires appropriate arboricultural input and consideration of risk. Risk potential will consider the combination of likelihood of failure and impact, including the perceived importance of the target(s).

8. Age class

Relates to the physiological stage of the tree's life cycle.

Category	Description
Young	Sapling tree and/or recently planted. Approximately 5 or less years in location.
Semi-mature	Tree increasing in size and yet to achieve expected size in situation. Primary developmental stage.
Early-mature	Tree established, generally growing vigorously. > 50% of attainable age/size.
Mature	Specimen approaching expected size in situation, with reduced incremental growth.
Over-mature	Mature full-size with a retrenching crown. Tree is senescent and in decline. Significant decay generally present.

9. Useful life expectancy

Assessment of useful life expectancy provides an indication of health and tree appropriateness and involves an estimate of how long a tree is likely to remain in the landscape based on species, stage of life (cycle), health, amenity, environmental services contribution, conflicts with adjacent infrastructure and risk to the community. It would enable tree managers to develop long-term plans for the eventual removal and replacement of existing trees in the public realm. It is not a measure of the biological life of the tree within the natural range of the species. It is more a measure of the health status and the trees positive contribution to the urban landscape.

Within an urban landscape context, particularly in relation to street trees, it could be considered a point where the costs to maintain the asset (tree) outweigh the benefits the tree is returning.

The assessment is based on the site conditions not being significantly altered and that any prescribed maintenance works are carried out (site conditions are presumed to remain relatively constant and the tree would be maintained under scheduled maintenance programs).

Useful Life Expectancy	Typical characteristics
<1 year (No remaining ULE)	Tree may be dead or mostly dead. Tree may exhibit major structural faults. Tree may be an imminent failure hazard. Excessive infrastructure damage with high risk potential that cannot be remedied.
1-5 years (Transitory, Brief)	Tree is exhibiting severe chronic decline. Crown is likely to be less than 50% typical density. Crown may be mostly epicormic growth. Dieback of large limbs is common (large deadwood may have been pruned out). Major structural defects that cannot be remedied. Tree may be over-mature and senescing. Infrastructure conflicts with heightened risk potential. Tree has outgrown site constraints.
6-10 years (Short)	Tree is exhibiting chronic decline. Crown density will be less than typical and epicormic growth is likely to present. The crown may still be mostly entire, but some dieback is likely to be evident. Dieback may include large limbs. Structural defects present that influence the tree's risk rating, amenity or vitality. Over-mature and senescing or early decline symptoms in short-lived species. Early infrastructure conflicts with potential to increase regardless of management inputs.
11-20 years (Moderate)	Tree not showing symptoms of chronic decline, but growth characteristics are likely to be reduced (bud development, extension growth etc.). Developing structural defects that reduce viability with limited scope for management. Tree may be over-mature and beginning to senesce. Potential for infrastructure conflicts regardless of management inputs.
21-40 years (Moderately long)	Trees displaying normal growth characteristics, but vitality is likely to be reduced (bud development, extension growth etc.). Structural issues relatively minor and manageable with arboricultural input. Tree may be growing in restricted environment (e.g. streetscapes) or may be in late maturity. Semi-mature and mature trees exhibiting normal growth characteristics. Juvenile trees in streetscapes.
>40 years (Long)	Generally juvenile and semi-mature trees exhibiting normal growth characteristics within adequate spaces to sustain growth, such as in parks or open space. Could also pertain to maturing, long-lived trees. No observable major structural defects. Tree well suited to the site with negligible potential for infrastructure conflicts.

Note that ULE may change for a tree dependent on the prevailing climatic conditions, sudden changes to a tree's growing environment creating an acute stress or impact by pathogens.

The ULE may not be applicable for trees that are manipulated, such as topiary, or grown for specific horticultural purposes, such as fruit trees.

There may be instances where remedial tree maintenance could extend a tree's ULE.

10. Arboricultural Rating

Relates to the combination of assigned tree condition factors, including health and structure (arboricultural merit) and ULE, and conveys an amenity value (An amenity tree can occupy a site that complements its surroundings in a useful manner which culminates in the aid, protection, comfort and emotional response of humans. Adapted from Coder, 2004). Amenity relates to the trees biological, functional and aesthetic characteristics (Hitchmough, 1994) within an urban landscape context. The presence of any serious disease or tree-related hazards that would impact risk potential are considered.

The arboricultural rating can be used by applying only the main category high, moderate, low or very low without using the subcategories. The sub-categories can assist in differentiating a trees value and/or characteristic in more detail within the specific tree assessment context, such as a development site.

Arboricultural rating			
Category	*Description*		
High (colour coded – See QGIS Layer Styles Quick Guide v1.1 (14 Jan 2018))	Exemplary specimen due to multiple factors which could include good condition and vitality, large size/canopy and prominence in the landscape. Likely to be a very long-term component in the landscape with a long ULE. Other factors that could contribute to a high rating: • Particularly good example of the species; rare or uncommon. • Tree has visual importance as a landscape feature; provides substantial contribution to landscape character. • Tree may have significant ecological or conservation value. • *Tree has historical, commemorative or other distinct social/cultural significance. Trees in this category must be considered for retention and/or incorporated within design proposals.		
Category	*Description*	*Sub category*	*Description*
Moderate (colour coded – See QGIS Layer Styles Quick Guide v1.1 (14 Jan 2018))	Tree of moderate quality, in fair or typical condition. Tree may have a condition, and or structural problem that will respond to arboricultural treatment. These trees have the potential to be moderate- to long-term components of the landscape (moderate to long ULE) if managed appropriately. The sub-categories relate predominately to age, size and amenity. Trees in this category should be considered for retention and/or incorporated within design proposals.	A	Moderate to large, maturing tree. Suited to the site & contributes to the landscape character. Tree may have conservation or other cultural/social value.
		B	Moderate sized, established tree, > 50% of attainable age/size. Suited to the site & contributes to the landscape character (other attributes covered under 'Moderate' description)
		C	• Young to semi-mature, generally a smaller tree, established, >15 cm DBH, >5 years in the location. Not a dominant canopy. No significant qualities currently but has the potential to become a higher value tree & long-term component of the landscape. Replacement of tree is likely to take up to 6 - 10 years to attain similar attributes. • Semi- to mature tree with accumulating deficiencies and reducing ULE, trending towards Low arboricultural value.

Category	*Description*
Low (colour coded – See QGIS Layer Styles Quick Guide v1.1 (14 Jan 2018))	Unremarkable tree of low quality or little amenity value. Tree in either poor health and/or with poor structure. Short to transitory useful life expectancy (<10 years). • Tree is not prominent in the landscape due to its size or age, such as young trees with a stem diameter below 15 cm. Tree < 5 years in location. These trees are easily replaceable or capable of being transplanted. • Tree (species) is functionally inappropriate to the specific location. Is causing excessive damage/nuisance to adjacent infrastructure or would be expected to be problematic if retained (i.e. palm tree under power lines). • Unremarkable tree of no material landscape, conservation or other cultural value. Not visible from surrounding landscapes. • Tree infected with pathogens that could lead to its decline. • Tree has potential to be an environmental woody weed (may be dependent on location of tree in an urban landscape). • Tree impacting or suppressing trees of better quality. Retention of such trees may be considered if not requiring a disproportionate expenditure of resources for a tree in its condition and location.

Category	*Description*
Very low (colour coded – See QGIS Layer Styles Quick Guide v1.1 (14 Jan 2018))	Trees of low quality with a brief to no remaining ULE (<5 years). • Tree has either a severe structural defect or health problem or combination that cannot be sustained with practical arboricultural techniques and the loss of the tree or tree part would be expected in the short term. • Tree whose retention would not be viable after the removal of adjacent trees, such as trees that have developed in close spaced groups and would not be expected to adapt to severe and sudden alterations to environmental & site conditions, e.g. removal of adjacent shelter trees. • Small or young tree, <5m in height, <10cm DBH. Easily replaced in short-term or capable of being transplanted. • Acknowledged environmental woody weed species. Tree has a detrimental effect on the environment, for example, the tree has weed potential and is likely to spread into waterways or natural areas if nearby. • Tree infected with pathogens that will lead to decline and has potential to spread to adjacent trees. • Tree is dead (dead tree may offer habitat values) or is showing signs of significant, immediate, and irreversible overall decline. Tree cannot realistically be retained and should be considered for removal.

Other considerations - Even though a tree may be declining or dead, a tree could be retained for other purposes such as habitat or soil stabilisation. These trees would still need to be managed appropriately to reduce risk.

*A tree may have (attract) a high value by the community for historical, commemorative or other distinct social/cultural significance factors, albeit the tree may not be in good condition. In the context of an assessment, for multiple reasons, but more so for development, if it is a noted 'significant' tree it should receive higher consideration during the planning process.

Trees have many values, not all of which are considered when an arboricultural assessment is undertaken. However, individual trees or tree group features may be considered important community resources because of unique or noteworthy characteristics or values other than their age, dimensions, health or structural condition. Recognition of one or more of the following criteria is designed to highlight other considerations that may influence the future management of such trees.

Significance	**Description**
Horticultural Value/ Rarity	Outstanding horticultural or genetic value; could be an important source of propagating stock, including specimens that are particularly resistant to disease or exposure. Any tree of a species or variety that is rare.
Historic, Aboriginal Cultural or Heritage Value	Tree could have value as a remnant of a particular important historical period or a remnant of a site or activity no longer in action. Tree has a recognised association with historic aboriginal activities, including scar trees. Tree commemorates a particular occasion, including plantings by notable people, or having associations with an important event in local history.
Ecological Value	Tree could have value as habitat for indigenous wildlife, including providing breeding, foraging or roosting habitat, or is a component of a wildlife reserve. Remnant Indigenous vegetation that contribute to biological diversity

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Appendix 1: Tree Assessment Data:

Refer to the following page.

Key: DBH = Diameter at breast height, 1.4m above ground level, unless otherwise indicated. Basal dimensions is trunk diameter at base immediately above root buttress. ARB rating = arboricultural rating. TPZ = Tree protection zone in radial metres. SRZ = Structural root zone in radial metres. Definition of the descriptor categories used in the assessment can be seen in Appendix 3.

Appendix 2: Tree Location Plan:

Refer to the following pages.