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CITY OF
MONASH

Tree Inspection Report

Bogong Avenue Multi Level Car Park

Glen Waverley

3150 Vic

Infrastructure and Environment

Arboriculture

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Date:24/5/22

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1. Purpose

This report was requested by:

Department/Officer:	Infrastructure and Environment – Liesl Pacher
For the purposes of:	To facilitate the construction of three extra levels at the Bogong Avenue multi level car park

2. Description

The scope of this report addresses:

2.1	Description of trees assessed	Native trees located on the southern frontage of Bogong Avenue car park
2.2	Description of site	Multi level car park
2.3	Directional aspect	South facing aspect
2.4	Ownership/facility type <i>E.g. Road, carpark, Council facility, private development, tree impacting on public asset</i>	Council owned and managed trees at the southern frontage of Bogong Avenue car park

3. Methodology

Council's arborist conducted a Visual Tree Assessment (VTA) on ...24/5/22.....

This assessment was carried out from the ground and included:

- Collection of tree data documenting current size DBH diameter at breast height (DBH), height, condition (health and structure) and ULE (useful life expectancy)
- Recommendations

The inspection method used was a VTA (Visual Tree Assessment). A set of principles adopted by arborists when assessing tree health/condition/structure, whereby growth adaptations/abnormalities/responses to biodynamic/mechanical influences are interpreted and categorised as acceptable/unacceptable. The VTA method interprets biotic and abiotic physical and physiological indicators found in/on/within trees. • (Mattheck, C. 2007).

This report is based upon the Australian Standard AS4970-2009 – Protection of Trees on Development Sites.

Note: No internal inspection/investigation has been conducted. No below ground examination of roots has been conducted. No samples have been taken and/or no tests have been undertaken. An inspection of any description is not an assurance of a tree's health/condition/longevity and/or safety.

4. Vegetation Controls

The site is located in the City of Monash, under the following Planning Zone.

- C1Z – Commercial 1

Planning overlays applicable to this site are as follows:

- DDO – Design and Development Overlay Schedule 12

OTHER OVERLAYS: Other overlays in the vicinity not directly affecting this land

- Heritage Overlay (HO)
- Vegetation Protection Overlay (VPO)

5. Inspection Data

The following information and assessment of the trees on the site was recorded.

Asset ID	Genus/Species	Tree Number	Useful Life Expectancy	Arborist remark	Recommended Action
400003	<i>Eucalyptus scoparia</i>	1	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of the tree.
400007	<i>Eucalyptus scoparia</i>	2	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400006	<i>Eucalyptus scoparia</i>	3	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400005	<i>Eucalyptus scoparia</i>	4	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400004	<i>Eucalyptus scoparia</i>	5	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has poor structure – Leaning over shelter and encroaching onto power pole.	Removal of tree recommended
400002	<i>Eucalyptus scoparia</i>	6	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400001	<i>Lophostemon confertus</i>	7	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400008	<i>Lophostemon confertus</i>	8	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has fair structure.	Retention of tree
400010	<i>Eucalyptus scoparia</i>	9	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree

400011	<i>Eucalyptus scoparia</i>	10	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400012	<i>Lophostemon confertus</i>	11	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400013	<i>Eucalyptus scoparia</i>	12	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400014	<i>Eucalyptus scoparia</i>	13	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400015	<i>Eucalyptus scoparia</i>	14	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400009	<i>Lophostemon confertus</i>	15	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400020	<i>Eucalyptus scoparia</i>	16	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400021	<i>Eucalyptus scoparia</i>	17	> 20 years	Tree is in fair health with poor condition and structure	Removal of tree recommended
4000019	<i>Eucalyptus scoparia</i>	18	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400022	<i>Eucalyptus scoparia</i>	19	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400024	<i>Eucalyptus scoparia</i>	20	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400017	<i>Eucalyptus scoparia</i>	21	> 20 years	Tree is in good health and condition with no evidence of	Retention of tree

				pests or disease. Tree has good structure.	
400016	<i>Eucalyptus scoparia</i>	22	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400025	<i>Eucalyptus scoparia</i>	23	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400023	<i>Eucalyptus scoparia</i>	24	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400026	<i>Eucalyptus scoparia</i>	25	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400018	<i>Eucalyptus scoparia</i>	26	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400027	<i>Lophostemon confertus</i>	27	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has fair structure.	Retention of tree
400028	<i>Eucalyptus scoparia</i>	28	> 20 years	Tree is in fair health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400032	<i>Eucalyptus scoparia</i>	29	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400029	<i>Eucalyptus scoparia</i>	30	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has good structure.	Retention of tree
400030	<i>Eucalyptus scoparia</i>	31	> 20 years	Tree is in good health and condition with no evidence of pests or disease. Tree has fair structure. Bifurcated.	Retention of tree
400031	<i>Lophostemon confertus</i>	32	> 20 years	Tree is in good health and condition with no evidence of pests or disease.	Retention of tree

				Tree has good structure.	
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6. Summary

The purpose of this report is to ascertain trees within the scope of the proposed construction of three additional levels to the Bogong Avenue multi level car park.

All tree assessments will evaluate condition ratings, the level of intrusion and if trees can be retained. Trees only involved within the foot print of the project were assessed in detail.

The initial site visit was undertaken on Tuesday 24 May 2022 by Stuart Ainsworth (Arborist).

Of the twenty eight *Eucalyptus scoparia* assessed, one was found to be of good health and condition with poor structure. The tree has a severe lean over the existing shelter and encroaching into the power pole. Recommended for removal. One was found to be of fair health, poor condition and poor structure. Recommended for removal.

Of the four *Lophostemon confertus* assessed, three were found to be of good health and condition with fair structure and one with good health, condition and structure.

7. Recommendations

Tree no.5 to be removed due to severe lean over existing shelter and encroaching into power pole. This tree will cause damage to the shelter in the near future and removal will eliminate pruning required for compliance as part of the annual cyclic pruning program.

Tree no.17 to be removed due to fair heal, poor condition and poor structure. This tree will eventually encroach into the existing canopy of tree no.16.

8. Appendices

8.1 Tree images

Tree #1 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native	Type: Evergreen	Age: Mature
DBH: 43cm	Height: 12m	Spread: 7m
TPZ: 5.16m	SRZ: 2.37m	ULE: >20 Years
Health: Good	Structure: Good	Condition: Good



Tree #2 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 29cm

Height: 12m

Spread: 4m

TPZ: 3.6m

SRZ: 2.02m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree #3 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 33cm

Height: 8m

Spread: 4m

TPZ: 3.48m

SRZ: 1.94m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree #4 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 26cm

Height: 12m

Spread: 3m

TPZ: 3.12m

SRZ: 1.94m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree #5 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 49cm

Height: 5m

Spread: 3m

TPZ: 3.96m

SRZ: 2.1m

ULE: >20 Years

Health: Good

Structure: Poor

Condition: Good



Tree #6 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native	Type: Evergreen	Age: Mature
DBH: 43cm	Height: 12m	Spread: 7m
TPZ: 5.16m	SRZ: 2.37m	ULE: >20 Years
Health: Good	Structure: Fair	Condition: Good



Tree #7 *Lophostemon confertus* – brush box

Origin : Native	Type: Evergreen	Age: Mature
DBH: 14cm	Height: 7m	Spread: 5m
TPZ: 2m	SRZ: 1.5m	ULE: >20 Years
Health: Good	Structure: Fair	Condition: Good



Tree # 8 *Lophostemon confertus* – brush box

Origin : Native

Type: Evergreen

Age: Mature

DBH: 28cm

Height: 14m

Spread: 6m

TPZ: 3.36m

SRZ: 1.97m

ULE: >20 Years

Health: Good

Structure: Fair

Condition:



Tree # 9 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 36cm

Height: 14m

Spread: 4m

TPZ: 4.32m

SRZ: 2.2m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 10 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 40cm

Height: 12m

Spread: 5m

TPZ: 4.8m

SRZ: 2.3m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 11 *Lophostemon confertus* – brush box

Origin : Native

Type: Evergreen

Age: Mature

DBH: 23cm

Height: 7m

Spread: 6m

TPZ: 2.76m

SRZ: 1.85m

ULE: >20 Years

Health: Good

Structure: Fair

Condition: Good



Tree # 12 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 28cm

Height: 14m

Spread: 4m

TPZ: 3.36m

SRZ: 1.97m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 13 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 29cm

Height: 12m

Spread: 5m

TPZ: 3.48m

SRZ: 2.0m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 14 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 29cm

Height: 12m

Spread: 5m

TPZ: 3.48m

SRZ: 2.0m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 15 *Lophostemon confertus* – brush box

Origin : Native

Type: Evergreen

Age: Mature

DBH: 33cm

Height: 10m

Spread: 5m

TPZ: 3.96m

SRZ: 2.13m

ULE: >20 Years

Health: Good

Structure: Fair

Condition: Good



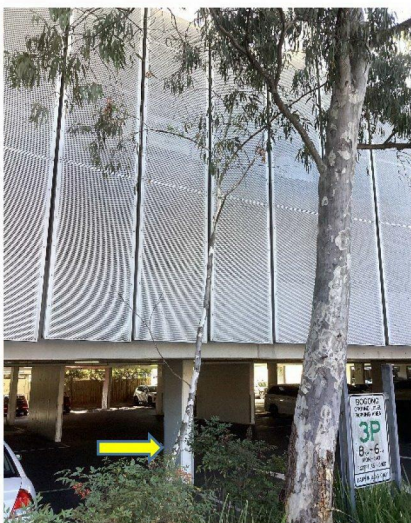
Tree # 16 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native	Type: Evergreen	Age: Mature
DBH: 36cm	Height: 12m	Spread: 5m
TPZ: 4.32m	SRZ: 2.18m	ULE: >20 Years
Health: Good	Structure: Good	Condition: Good



Tree # 17 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native	Type: Evergreen	Age: Mature
DBH: 7cm	Height: 6m	Spread: 1m
TPZ: 2m	SRZ: 1.5m	ULE: >20 Years
Health: Fair	Structure: Fair	Condition: Poor



Tree # 18 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 36cm

Height: 14m

Spread: 3m

TPZ: 4.32m

SRZ: 2.18m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 19 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 27cm

Height: 14m

Spread: 3m

TPZ: 3.24m

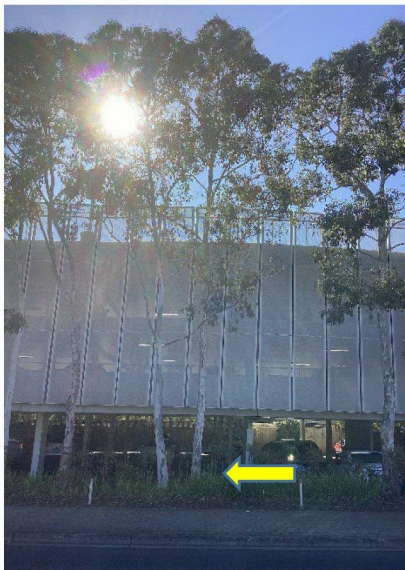
SRZ: 1.94m

ULE: >20 Years

Health: Good

Structure: Fair

Condition: Good



Tree # 20 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 24cm

Height: 14m

Spread: 3m

TPZ: 2.88m

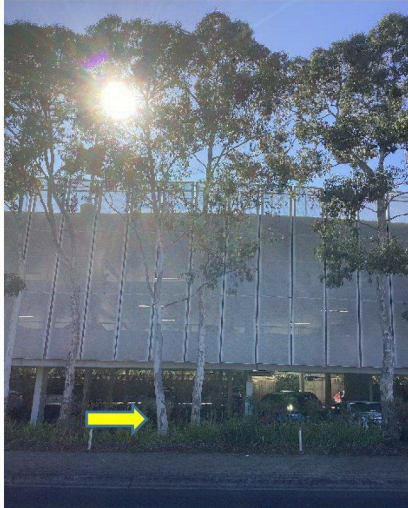
SRZ: 1.85m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 21 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 26cm

Height: 14m

Spread: 2m

TPZ: 3.12m

SRZ: 1.91m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 22 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 22cm

Height: 14m

Spread: 3m

TPZ: 2.64m

SRZ: 1.79m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 23 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 23cm

Height: 14m

Spread: 3m

TPZ: 2.76m

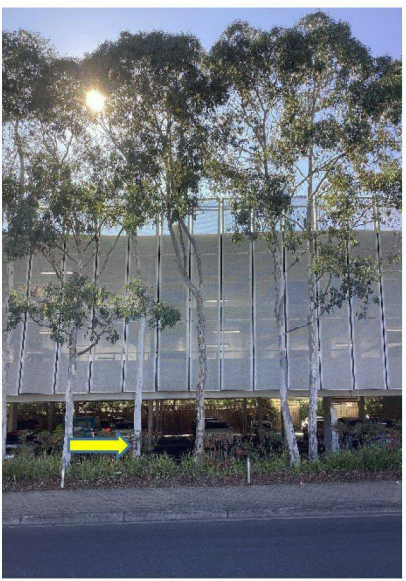
SRZ: 1.82m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 24 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 28cm

Height: 14m

Spread: 2m

TPZ: 3.36m

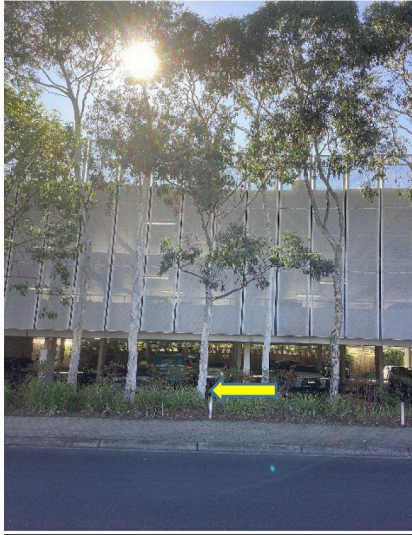
SRZ: 1.97m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 25 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 26cm

Height: 14m

Spread: 3m

TPZ: 3.12m

SRZ: 1.91m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 26 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 26cm

Height: 14m

Spread: 3m

TPZ: 3.12m

SRZ: 1.91m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 27 *Lophostemon confertus* – brush box

Origin : Native

Type: Evergreen

Age: Mature

DBH: 29cm

Height: 12m

Spread: 6m

TPZ: 3.48m

SRZ: 2m

ULE: >20 Years

Health: Good

Structure: Fair

Condition: Good



Tree # 28 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 17cm

Height: 14m

Spread: 2m

TPZ: 2.04m

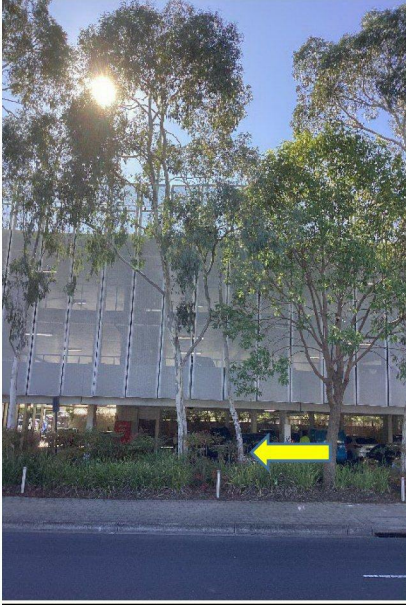
SRZ: 1.61m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 29 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 29cm

Height: 14m

Spread: 5m

TPZ: 3.48m

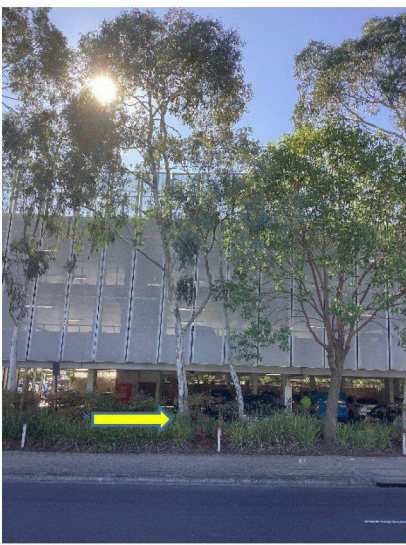
SRZ: 2m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 30 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 23cm

Height: 14m

Spread: 3m

TPZ: 2.76m

SRZ: 1.82m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 31 *Eucalyptus scoparia* – Wallangarra white gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 41cm

Height: 14m

Spread: 6m

TPZ: 4.92m

SRZ: 2.3m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree # 32 *Lophostemon confertus* – brush box

Origin : Native

Type: Evergreen

Age: Mature

DBH: 17cm

Height: 5m

Spread: 4m

TPZ: 2.04m

SRZ: 1.61m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good



Tree Group 2 – *Eucalyptus camaldulensis* – river red gum

Origin : Native

Type: Evergreen

Age: Mature

DBH: 21cm

Height: 10m

Spread: 4m

TPZ: 2.52m

SRZ: 1.82m

ULE: >20 Years

Health: Good

Structure: Good

Condition: Good

