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Scale 1:371
 Wednesday, 12 February 2014



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PROFESSIONAL TREE SURGEONS
TROJENS & Co PTY LTD

Arborist Assessment and Report

Prepared for: Town of Cottesloe

Subject: Sugar Gum (*Eucalyptus cladocalyx*)

Location: 68 Napier Street, Cottesloe

Date: 24/03/2014

Prepared by: Royce Turner
Cert Arb



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1. Purpose of the Report

As per your request, the primary objectives of the inspection were to:

1. Inspect and assess the current health and vigour and structural form of the identified tree.
2. From the results of the inspection, plan the appropriate Arboricultural works if required.
3. Provide future management guidelines in view of the relevant use of the verge area beneath the tree.

The following is a brief of my findings, opinion and future management recommendations.

2. An Overview of Tree Assessment

The tree in this assessment is a *Eucalyptus cladocalyx* an eastern states gum. There is good evidence of this species growing well in Perth.

This particular tree is a mature tree in good health with good peripheral growth. The tree is estimated at 23m in height and has a circumference of 3.2m ABH.

This tree was brought to my attention as a significant size specimen in the street scape with a particular regard to the potential of limb failure within the trees canopy zone.

3. Tree Assessment Method

The tree was assessed on a ground level visual assessment basis. No aerial or climbing inspection performed and no inspection below ground level undertaken at this time. No root samples were taken.

There are many variables that require consideration as part of this process including the health and vigour, structure and location, known species traits and environmental factors.

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3.1 General Observations

The tree shows good natural form above the point at which it was heavily lopped many years earlier. At the point of lopping the cambium has included completely. A good natural form with good upper limb spacing has subsequently developed. The trunk appears to have no cambium damage and there is no sign of bifurcated or subdominant stems.

The foliage mass and peripheral tip growth is all in good health with what would be considered a normal level of deadwood accumulating in the crown over the years. Some of this deadwood is now over 40mm in diameter which should be considered for removal.



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4. Key Findings

It is my opinion a tree of this significant size and proportions situated on the verge should be monitored and assessed annually. The tree has not had a crown thin or reduction to reduce the occurrence of upper limb failures for some time, and is therefore due for remedial and structural pruning.

This method of pruning would assist in reducing the overall size and volume of leaf mass and balance the upper canopy to improve stability.

There appears to be no root plate movement at this stage.

Based on my observations if best arboricultural practice is implemented it will largely reduce the risk of losing upper limbs in the target area of this significant tree.

Any risk associated with this tree looks to be remaining within what would be generally considered acceptable level, and within the realms and scope of management at this time.



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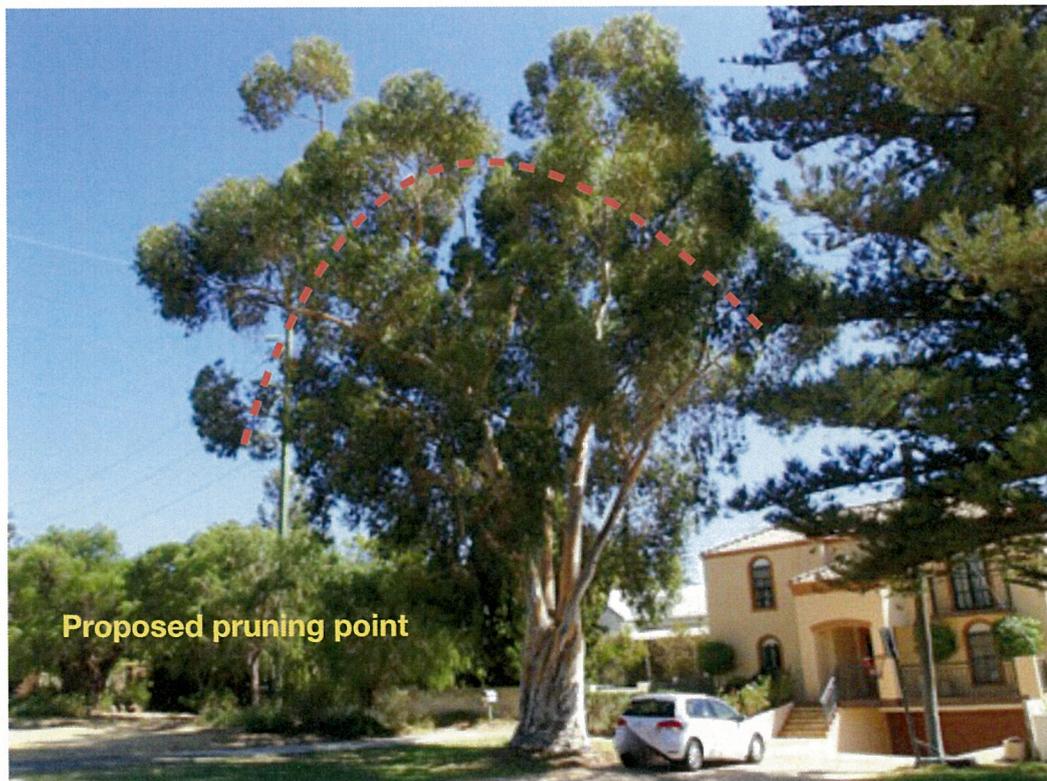
5. Recommendations for management

5.1 Sugar Gum (*Eucalyptus cladocalyx*)

This tree has not received canopy maintenance for some time.

- a. Implement a pruning program to address the volume of the crown's canopy.
- b. Structure prune by performing a crown reduction and thin to the second canopy at growth points to assist in reducing wind loading.
- c. Perform remedial prune to reduce deadwood and crossed limbs. Reduce lateral weight by thinning.
- d. Have an arborist re-inspected the tree annually.
- e. Pruning maintenance would generally need to be looked at on a 3 - 5 year basis.

The objective here is to maintain this species of tree in as good condition as possible considering the original planting location and environmental factors.



Proposed pruning point

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Summary:

It is my opinion that the tree represents a significant asset to the local landscape and the people in the area. Therefore the tree should be monitored and maintained to best Arboricultural practice and to the Australian Standard for pruning amenity trees.

Should you have any queries regarding the contents of this report please do not hesitate to contact me.

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Disclaimer and Limitations :

This advice has been provided in good faith and based upon the material information provided by the Client. This report only covers identifiable defects present at the time of inspection. The author accepts no responsibility or can be held liable for any structural defect or unforeseen event/situation that may occur after the time of inspection.

The author cannot guarantee trees contained within this report will be structurally sound under all circumstances, and cannot guarantee that the recommendations made will categorically result in the tree being made safe.

Unless specifically mentioned this report will only be concerned with above ground inspections, that will be undertaken visually from ground level.

It is also important to take into consideration that all trees are living organisms and as such there are many variables that can affect their health and structural properties that remain beyond the scope of reasonable management practices.

Care has been taken to obtain all information from reliable sources. All data has been verified so far as possible; however, the author can neither guarantee nor be responsible for the accuracy of information provided by others.

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