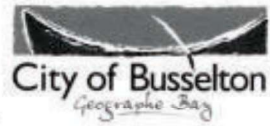


## 8 2021 QTRA (City Technical Officer)

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### INTERNAL MEMORANDUM

<b>TO:</b>	Manager, Operations Services
<b>SUBJECT:</b>	Quantified Tree Risk Assessment
<b>FROM:</b>	[REDACTED]
<b>COPY TO:</b>	[REDACTED]
<b>DATE:</b>	13/07/21

## QTRA Report

**Address / Location** Road reserve - St Mary's Church 119-121 Queen Street.

**Inspection (Date)** 13/07/21

<u>Species</u>	<u>Age Range</u>	<u>Height</u>	<u>Stem Diameter</u>	<u>Vitality</u>
Agonis flexuosa	Post mature	10m	1m	Dead

### Details



This mature Agonis has been in decline for the past few years. Contributing factors may include over-grazing of the young, weak foliage by native possum. The tree is now dead, with no foliage supporting future growth. The tree straddles the property boundary between City of Busselton road reserve and St Mary's Church 119-121 Queen Street.

Given the low height of the tree, imminent failure at ground level is unlikely. Failure of dead branches is likely, the highest target identified is the adjacent footpath. This path is a thoroughfare to Busselton CBD, with pedestrians and cyclists estimated at between 2-7 per hour, this places the Target as Range 3. The probability of failure of a branch or tree within the next year is high, placing in Range 1-2.

**The Risk index is therefore between 1/1000 - 1/10,000 deemed Unacceptable.**

Target Range	Size Range	Probability Range	Risk Index	Review Years
3	2	1-2	1/10k	N/A

- **Management Options**

**Option 1.-**

Remove the tree and stump, replanting new specimen(s) within the street garden, giving long-term architectural structure / shade to the area.

**Option 2.-**

Remove the branch structure entirely to 5m, install climbing wire to stem, trial establishing climber plants onto stem. Offers short term habitat, no shade. Public may not understand leaving a 5-6m stump in prominent location.

Risk Thresholds	Description	Action
1/1 000	<b>Unacceptable</b> Risks will not ordinarily be tolerated	<ul style="list-style-type: none"> <li>Control the risk</li> <li>Periodically review the risk</li> </ul>
	<b>Unacceptable</b> (where imposed on others) Risks will not ordinarily be tolerated	<ul style="list-style-type: none"> <li>Control the risk</li> <li>Periodically review the risk</li> </ul>
1/10 000	<b>Tolerable</b> (by agreement) Risks may be tolerated if <ul style="list-style-type: none"> <li>those exposed to the risk accept it, or</li> <li>the tree has exceptional value</li> </ul>	<ul style="list-style-type: none"> <li>Control the risk unless there is broad stakeholder agreement to tolerate it, or the tree has exceptional value</li> <li>Periodically review the risk</li> </ul>
	<b>Tolerable</b> (where imposed on others) Risks are generally tolerable	<ul style="list-style-type: none"> <li>Assess costs and benefits of risk control</li> <li>Control the risk only where a significant benefit might be achieved at a reasonable cost</li> <li>Periodically review the risk</li> </ul>
1/1 000 000	<b>Broadly Acceptable</b>	<ul style="list-style-type: none"> <li>No action currently required</li> <li>Periodically review the risk</li> </ul>

**Costs and Benefits of Risk Control**

Risk control measures bring benefits in terms of reducing or eliminating a risk, but those benefits come at a cost that should, in broad terms, be balanced against the benefits of risk control. For guidance on considering costs and benefits, please refer to the Quantified Tree Risk Assessment Practice Note, available at <http://www.dps.co.uk/quantified-practice-note-2013> (due to be updated October 2015).

Based on the tree owner/manager assessing the principles set out in the Quantified Tree Risk Assessment Practice Note and/or any other specific instructions, the risk assessor will take account of the cost/benefit balance when providing management recommendations.

Signed: \_\_\_\_\_  
Parks Technical Officer

Sign off: \_\_\_\_\_  
Manager, Operations Services

Comments: *Recommend option 1*

Sign off: (if required) \_\_\_\_\_  
Director, Engineering & Works Services

Comments: *Recommend Sign off by Mike*