

Arborist Report YR-2022/1106

Tree Risk Assessment (TRA)

134 Hereford Road, Mt Evelyn

 Original report prepared by:
 (Grad Cert Arboriculture, ISA Tree Risk Assessment Qualified)

 Report Date: 28 September 2022
 (Adv Cert Arboriculture, ISA Tree Risk Assessment Qualified)

 Amendment prepared by:
 (Adv Cert Arboriculture, ISA Tree Risk Assessment Qualified)

Amended Report Date: 14 December 2022

Contents

1.	Summary of Assessment	1
	Tree Plan	
3.	Tree Assessment Table	3
Арр	endix 1 Tree Risk Assessment Forms	

1. Summary of Assessment

- 1.1 The original scope of this report was to inspect trees in the road reserve (the site) and assess tree risk relative to the use of 134 Hereford Road, Mt Evelyn. During the course of the assessment, the site was attended on four occasions between 1/9/2022 27/9/2022. Trees have been tagged with identification numbers (numbered 1 to 25). However, this amended report is only for eight trees recommended for removal by Council at the 22 November Council meeting. Trees were assessed with the aid of a soil probe, diameter measuring tape, GIS software, camera phone and the ISA Tree Risk Assessment Form.
- 1.2 The site slopes down approximately 10 degrees to the south and is partially exposed to the prevailing south-westerly winds as well as easterly winds. The site is protected from northerly winds by a ridge line and tall trees on private property.
- 1.3 The house at 134 Hereford Road, Mt Evelyn, which is adjacent to the site, is nestled amongst a stand of mature eucalypt. Over time numerous trees in the road reserve bordering this property have been subjected to excavation, level changes, pavement and/or compaction within root zones.
- 1.4 At the time of the assessment parts of the site were very wet and subject to overland stormwater flows. In particular, the soils directly north of 134 Hereford Road and the table drain along the west side of Kookaburra Lane were saturated.
- 1.5 In the past 18 months a tree fell from the edge of the table drain on Kookaburra Lane and impacted the house at 134 Hereford Road, Mt Evelyn. Numerous other trees around the site and on adjoining private property have also fallen many as a result of a severe storm event that impacted the Yarra Ranges in June 2021.
- 1.6 This amended report considers eight trees in the road reserve that were recommended for retention in the original report but approved for removal by Council at the 22 November Council meeting. Risk assessments were undertaken by Nicholas Magree (Arborist) to determine risk ratings and suggest risk mitigation options for each tree (see appendix 1). Risk mitigation options were reviewed by the Coordinator of Trees (Paul Mechelen) and subsequent actions have been recommended (see section 3).

2. Tree Plan



Road Reserve North of 134 Hereford Road, Mt Evelyn Planning Application Site Plan (proposed trees circled in red and tagged onsite)

134 Hereford Road, Mt Evelyn – Tree Risk Assessment

3 Tree Assessment Table

Tree No.	Botanic Name	Tree within 10m of dwelling?	Vitality	DBH (cm)	Height (m)	Spread dia. (m)	Overall Risk	Recommended Action
3	Eucalyptus obliqua	No	Normal	80	25	16	Low	No action
4	Eucalyptus obliqua	No	Normal	70	30	9	Low	No action
8	Eucalyptus obliqua	No	Normal	66	30	14	Low	No action
16	Eucalyptus obliqua	Yes	Normal	84	30	10	Low	Clean crown of dead wood and undertake aerial inspection of the crown
17	Eucalyptus obliqua	Yes	Low	70	25	8	Low	Clean crown of dead wood and undertake aerial inspection of the crown
19	Eucalyptus obliqua	Yes	Normal	77	30	13	Low	Clean crown of dead wood and undertake an aerial inspection of the crown
21	Eucalyptus obliqua	Yes	Normal	45	20	6	Low	No action
22	Eucalyptus obliqua	No	Low	60	30	8	Low	Clean crown of dead wood and undertake an aerial inspection of the crown

134 Hereford Road, Mt Evelyn – Tree Risk Assessment

Appendix 1 Tree Risk Assessment Forms

	nt Yarra Ranges Council	k Ass	Date 1/09/2022					DM	
	ress/ Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.37975	5337.76							
	e species Eucalyptus obliqua dbh 80								
	essor(s) Tools u								
	Target As:	sessment							
nber					rget zo .들		Occupancy	o jet?	
Target number	Target description		Target protection	Target within drip line	Target within 1 x Ht.		1 – rare 2 – occasional 3 – frequent 4 – constant	Practical to move target?	Restriction practical?
1	People in house		House		 	 Image: V 	3	Ν	Ν
2	House		Other trees		 	 Image: V Image: V<	4	N	Ν
3	Cars			 	 Image: A start of the start of	 	3	N	N
4	People using yard			 Image: A start of the start of	 Image: A start of the start of	✓	2	N	N
	Site Fa	ctors							
	ory of failures Yes		Topography					-	-
	changes None □ Grade change ☑ Site clearing ☑ Changed soil hydrolo								
	conditions Limited volume □ Saturated ☑ Shallow □ Compacted ☑ F			6 Desc	ribe 🤇	Gravel	driveway		
Prev	vailing wind direction SW Common weather Strong winds Lice Sno			-					
Vian	Tree Health and pr Low □ Normal 2 High □ Foliage None (seasonal) □ No	-		<u>v c</u>	blorot	-le	9/ No.	rotio	
	s/Biotic Ab							rotic _	;
	cies failure profile Branches Trunk Roots Doescribe								
	Load F	actors							
Crov	d exposure Protected □ Partial ☑ Full □ Windfunneling □ Relative of wn density Sparse □ Normal ☑ Dense □ Interior branches Few □ N					□_		~	
Rece	ent or expected change in load factors								
~	Tree Defects and Conditions Aff	-		ure					
(- Crown and								_
	Unbalanced crown 2 LCR <u>40</u> % Dead twigs/branches 2 <u>5</u> % overall Max. dia. <u>150mm</u>		□						
			inant 🛛 ttachments 🗖					led bar	
	Over-extended branches 🛛		is branch failures 🗹						
	Pruning history		/lissing bark □ Cankers,			_			
	Crown cleaned Thinned Raised Reduced Image: Competend of the second of the s	Conks	-				ood damage/	-	
	Reduced Image: Comparison of the comparison		se growth						
	Branch failure Condition (s								
									_
	Part Size_300mm Fall Distance_25m		ze				istance		
	Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑ Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent □		n defect N/A d of failure Improbat				Moderate□ S Probable □	-	
ſ	— Trunk — Y	r	— Roots	and	Root	: Col	lar —		
	Dead/Missing bark Abnormal bark texture/color	Collar b	ouried/Not visible 🗆	De	pth		Stem	girdlin	ıg 🗖
	Codominant stems 🖬 🛛 Included bark 🗆 Cracks 🗆	Dead	Dec Dec	ay 🗆			Conks/Musl	nrooms	s 🗖
	Sapwood damage/decay	Ooze					Cavity [<u>]</u> % circ	
	Lightning damage 🛛 Heartwood decay 🖓 Conks/Mushrooms	Cracks	Cut/Damaged r	oots 🗖	3 0	Distan	ce from trun	c in SR2	z
	Cavity/Nest hole% circ. Depth Poor taper □ Lean <u>5</u> ° Corrected? <u>No - phototropic lean</u>		late lifting 🗆				Soil we	akness	
	Response growth Yes, around stem union and sapwood damage	Respoi Condit	nse growth	ot plat	e failu	re			_
	Condition (s) of concern <u>Stem union failure</u> Part Size <u>400mm</u> Fall Distance <u>15m</u>		ze whole tree						_
	Load on defect N/A □ Minor □ Moderate□ Significant ☑	Load or	ndefect N/A□	I	Minor		∕loderate□ Si	ignifican	nt 🗹
1	Likelihood of failure Improbable Possible Probable Imminent □		ood of failure Improt					•	

				Likelihood															
Target				Fail	ure			Imp	act			ure 8			Сог	nseq	uen	ces	
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Negligible Minor Significant Severe		Severe	Risk rating (from Matrix 2)
People in house	Branch				<		<				\checkmark				<				L
	Stem union	Failure	\checkmark				<				\checkmark					<			L
	Root plate			v				\checkmark			\checkmark							\checkmark	L
House	Branch	Failure			 			<			\checkmark					<			L
	Stem union	Fallule	\checkmark					\checkmark			\checkmark					\checkmark			L
	Root plate			v				\checkmark			\checkmark						\checkmark		L
Cars	Branch	Failure			\checkmark				<			<				<			L
	Stem union		\checkmark						\checkmark		\checkmark					\checkmark			L
	Root plate			\checkmark				\checkmark			\checkmark					\checkmark			L
People using	Branch				\checkmark			<			\checkmark							\checkmark	L
front yard	Stem union	Failure	\checkmark					\checkmark			\checkmark							\checkmark	L
	Root plate			\checkmark				\checkmark			\checkmark							\checkmark	L

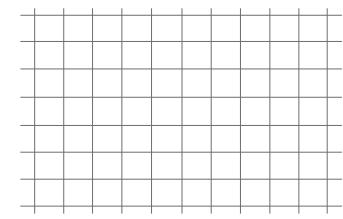
Matrix1. Likelihood matrix.

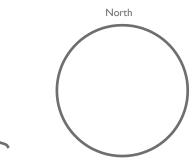
Likelihood		Likelih	ood of Impact	
of Failure	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	nces of Failure	
Failure & Impact	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection Residual risk Low Residual risk _____ 2.____ Residual risk 3._ Residual risk 4. **Overall tree risk rating** Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 None 🗆 Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 Recommended inspection interval <u>2 years</u> **Overall residual risk** Data ☑ Final □ Preliminary Advanced assessment needed □₩o □Yes-Type/Reason Inspection undertaken from ground level only Inspection limitations
None
Visibility
Access
Vines
Root collar buried Describe

	nt <u>Yarra Ranges Council</u>	Date <u>1/</u>				me <u>2:07:00 F</u>		
	dress/ Tree location <u>134 Hereford Rd, Mount Evelyn VIC 3796 / 145.37978</u>					Sheet		
		cm Height Jsed DBH tape, soil prot			-			
A33	Target As		<u> </u>			c nunc <u>- ,</u>		
		sessment		arget zo		1	1	1
Target number	Target description	Target prot	ithin	2		Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
1	People in house	House		 Image: A start of the start of	\checkmark	3	Ν	N
2	House	Other tree		 ✓ 	\checkmark	4	Ν	Ν
3	Cars		✓	 ✓ 	\checkmark	3	Ν	N
4	People using yard		✓	 ✓ 	 ✓ 	2	Ν	Ν
	Site Fa	ctors Top						
Soil Pre ^y	changes None □ Grade change Site clearing Changed soil hydrolo conditions Limited volume □ Saturated Shallow □ Compacted F vailing wind direction SW Common weather Strong winds □ Ice Sno Tree Health and or Low □ Normal High □ Foliage None (seasonal) □ No	Pavement over roots ow Heavy rain De Species Profile	75% De: sć ribe	scribe_	Gra	avel road and		-
Pest	ts/BioticAb	iotic						
Spe	cies failure profile Branches Trunk Roots COescribe							
	wn density Sparse I Normal I Dense I Interior branches Few N ent or expected change in load factors Tree Defects and Conditions Aff	fecting the Likelihood	-	/Moss				
(- Crown and							
	Unbalanced crown LCR 25 % Dead twigs/branches Max. dia. 100mm Broken/Hangers Number Max. dia. Over-extended branches Pruning history Crown cleaned Thinned Raised Reduced Topped Lion-tailed Flush cuts Other	Codominant Weak attachments Previous branch failu Dead/Missing bark Conks	es 🛛 Cankers/Galls/ Heartwood	'Burls E d decay	_ Cav _ Sim] Sapw	ity/Nest hole_ ilar branches ood damage/	led bar % (present /decay [rk □ circ. t □ ⊐
	Flush cuts Other Branch failure Condition (state)	Response growth						
	Part Size_200mm Fall Distance_30m Load on defect N/A □ Minor □ Moderate 2 Significant □ Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □	Part Size Load on defect Likelihood of failure	N/A 🗆	Minor		stance ∕loderate□ S Probable □	ignificar	nt🗖
ſ	— Trunk — Y	_	Roots and	Root	: Col	lar —		
	Dead/Missing bark Abnormal bark texture/color Codominant stems Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sap ooze Lightning damage Heartwood decay Conks/Mushrooms Cavity/Nest hole % circ. Depth Poor taper Lean 3.° Corrected? Yes Yes Response growth Yes, around sapwood damage Condition (s) of concern Part Size Part Size Fall Distance	Collar buried/Not vis Dead Ooze Cracks Cut/Da Root plate lifting Response growth- Condition (s) of cor Part Size whole tree	Decay maged roots cern Root pla	☑ I	Distanc re	_ Stem Conks/Musl Cavity []! ce from trun Soil we ance <u>30m</u>	<u>]</u> % circ k <u>in SR</u> 2 eakness	s 🗆 :. z s 🗹
	Load on defect N/A Minor Moderate Significant	Load on defect	N/A 🗆	Minor		Aoderate□ S	ignificar	nt 🗹

		Risk Cate	egor	izat	ion														
								Like	lihoc	bd	[ail	ure 8	2 1.00	no st	Cor	nseq	uen	ces	
Target		Constitution (a)		Fail	ure			Imp	act			rom N							
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch			\checkmark			\checkmark				\checkmark				\checkmark				L
	Root plate	Failure		~				\checkmark			\checkmark							\checkmark	L
House	Branch	Failure		\checkmark				\checkmark			\checkmark					<			L
	Root plate			~			_	✓			~						 Image: A start of the start of		L
Cars	Branch	E alluna	-	 ✓ 					 ✓ 	_	 ✓ 			_		 Image: A start of the start of		_	L
	Root plate	Failure		\checkmark						 		~				<			L
People using	Branch			\checkmark				\checkmark			\checkmark							\checkmark	L
front yard	Root plate	Failure		✓				~			~							<	L

....

. .

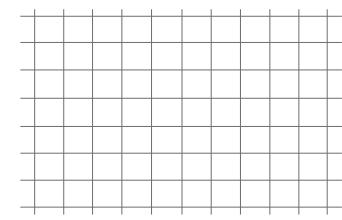
Matrix1. Likelihood matrix.

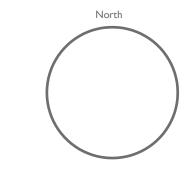
Likelihood		Likelih	ood of Impact	
of Failure	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	nces of Failure	
Failure & Impact	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection Residual risk Low Residual risk _____ 2.____ Residual risk 3._ Residual risk 4. **Overall tree risk rating** Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 None 🗆 Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 Recommended inspection interval <u>2 years</u> **Overall residual risk** Data ☑ Final □ Preliminary Advanced assessment needed □₩o □Yes-Type/Reason Inspection undertaken from ground level only Inspection limitations
None
Visibility
Access
Vines
Root collar buried Describe

ent Yarra Ranges Co		/				Date <u>1/09/2022</u>			Tir	me <u>2:52:00 F</u>	- MI
		ord Rd. Mount	t Evelvn V	/IC 3796 / 145.37	9661837.76		no. 8			_ Sheet	of
ldress/ Tree locatio ee species <u>Eucalyptu</u>	s obliqua			db	η 66 cm	Height 30 m		Crov	vn sp	read dia. 1	4 m
sessor(s)				Тос	ols used DBH	tape, soil probe		-	Tim	e frame 2 y	ears
					Assessmen				-		
							Та	rget zo	ne		1
		Target desci	ription			Target protection	Target within drip line			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?
People in house						House	1	 Image: V 	 Image: A set of the set of the	3	N
2 House								 Image: V 	 Image: A set of the set of the	4	N
							 Image: A second s	 Image: V 	 Image: V 	3	N
People using ya	ard						 Image: A second s	 Image: V 	 Image: A set of the set of the	2	N
				Site	e Factors		1	•		•	
story of failures <u>Yes</u> e changes None	irade chan I volume D	Saturated Z	Shallow	hanged soil hyd	rology 🗖 Roo 🖉 Pavement	over roots 2 50	% Desc				
gor Low 🛛 Norma	I √Z High	D Foliag	e None (:	Tree Health seasonal)□	None (dead) DNormal <u>90</u>					
sts/Biotic					_Abiotic						
ind exposure Protec own density Sparse cent or expected cha	ted 🗖 Pari 🛛 Norma	tial 🗆 Full 💷 al 🗆 Dense 🗆 ad factors	Wind funn Interio	neling D<u>I</u>Relat r branches Few	🗆 Normal 🗗	Dense 🗆 Vines/Mis	tletoe/				
own density Sparse	ted 🗖 Pari 🛛 Norma	tial 🗆 Full 💷 al 🗆 Dense 🗆 ad factors	Wind funn Interior Defects a	Loa neling [] [Relat r branches Few and Conditions	Affecting th	Dense D Vines/Mis	tletoe/				
own density Sparse	ted 🗆 Pari 🗹 Norma Inge in Ioa	tial 🗆 Full 💷 al 🗆 Dense 🗆 ad factors	Wind funn Interior Defects a	Loa neling 🗆 Relat r branches Few	Normal Affecting the nd Branch	Dense 🗆 Vines/Mis e Likelihood of Fai	iletoe/	Moss	□		
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches	ted 🗆 Pari 2 Norma Inge in Ioa 1 2	tial Full To Dense To Dense Tree I LCR <u>30</u> % <u>10</u> % overal	Wind funn Interion Defects a	Loa neling I Relat r branches Few and Conditions — Crown a x. dia. <u>100 mm</u>	Affecting th Cracks	Dense D Vines/Mis	ilure	Moss	□	Lightning	
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches Broken/Hangers	ted 🗆 Pari 2 Norma Inge in Ioa I 2 Number	tial Full Total Total Total Tree LCR.30_%	Wind funn Interion Defects a	Loa neling I Relat r branches Few and Conditions — Crown a	Affecting th Affecting th Affecting th Cracks Codon Weak	Dense D Vines/Mis e Likelihood of Fai nes —	ilure	Moss		Lightning Incluc ity/Nest hole	damage ded bar % c
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches	ted 🗆 Pari 2 Norma Inge in Ioa I 2 Number	tial Full To Dense To Dense Tree I LCR <u>30</u> % <u>10</u> % overal	Wind funn Interion Defects a	Loa neling I Relat r branches Few and Conditions — Crown a x. dia. <u>100 mm</u>	Affecting the Cracks Codon Weak a Previo	Dense D Vines/Mis e Likelihood of Fai nes — D ninant D attachments D us branch failures D	tletoe/	Moss	 Cav Sim	Lightning Includ ity/Nest hole iilar branches	damage ded bar % c present
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches Broken/Hangers Over-extended brar	ted 🗆 Part 2 Norma inge in Ioa inge in Ioa Number nches 🗆	tial Full To Pense Tree LCR 30 % To veral Thinned	Wind funn Interior Defects a	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia	Affecting the Affecting the Affecting the Cracks Codorn Weak a Previo Dead/I	Dense D Vines/Mis e Likelihood of Fai nes — inant D uttachments D Jissing bark D Canker	s/Galls/f	Moss Burls 🗆	□ _ Cav _ Sim I Sapw	Lightning Includ ity/Nest hole iilar branches rood damage/	damage ded bar % c present /decay [
Unbalanced crown C Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned C Reduced	ted 🗆 Pari 2 Norma inge in Ioa Number inches 🗆	tial Full Tree CR 30 % Topped	Wind funn Interior Defects a II Ma: Ma:	Loa neling Relat r branches Few and Conditions — Crown a x. dia. <u>100 mm</u> x. dia Raised Lion-tailed	Affecting the Affecting the Affecting the Affecting the Cracks Codon Weak a Previo Dead/I Conks	Dense Divines/Mis	s/Galls/f	Moss Burls decay	□ _ Cav _ Sim I Sapw	Lightning Incluc ity/Nest hole ilar branches rood damage/	damage ded bar % c present /decay [
Unbalanced crown C Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned	ted 🗆 Pari 2 Norma Inge in Ioa Number Inches 🗆 T C	tial Full Tuberse Tree I CR 30.% Tuberse Thinned Tuberse Tube	Wind funn Interior Defects a	Loa neling I Relat r branches Few and Conditions — Crown a x. dia. 100 mm x. dia Raised I Lion-tailed I	Affecting the Affecting the Cracks Codon Weak a Previo Dead/I Conks Respon	Dense D Vines/Mis E Likelihood of Fai E D inant D attachments D us branch failures D Missing bark D Canker D Hea ase growth	tletoe/ ilure s/Galls/I	Moss Burls D decay	□ _ Cav _ Sim I Sapw □	Lightning Includ ity/Nest hole ilar branches rood damage/	damage ded bar % c present /decay [
own density Sparse cent or expected char Unbalanced crown Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned Reduced Flush cuts Branch failure	ted 🗆 Pari 2 Norma inge in Ioa Number inches 🗆 T C	tial Full Tuberse Tree I CR 30 % Tuberse Thinned Topped Dther	Wind funn Interior Defects a	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia Raised I Lion-tailed I	Affecting the crown size Affecting the cracks Codon Weak a Previo Dead/I Conks Responton (s) of conce	Dense Divines/Mis	tletoe/ ilure s/Galls/I	Moss Burls D decay	□ _ Cav _ Sim I Sapw □	Lightning Includ ity/Nest hole ilar branches rood damage/	damage ded bar % c present /decay [
Unbalanced crown C Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned C Reduced C Flush cuts C Branch failure Part Size-200 mm dia	ted 🗆 Pari 12 Norma Inge in Ioa Number Inches 🗆 T C	tial Full Topped Topped Topped Fall Discontinued Topped T	Wind funn Interior Defects a II Ma: Ma: stance 30	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 100 mm x. dia. 100 mm c. dia. 100 mm m Condition m	Affecting the Affecting the Affecting the Affecting the Cracks Codon Weak a Previo Dead/I Conks Respon on (s) of conce	Dense Divines/Mis e Likelihood of Fai es — Justrachments Dustrachments Dustrachments Dustrach failures Dustrach failures Dustrach failures Dustrachments	s/Galls/f	Moss Burls decay	Cav Cav Sim I Sapw	Lightning Includ ity/Nest hole ilar branches rood damage/ istance	damage ded bar % c present /decay [
Unbalanced crown C Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned C Reduced C Flush cuts C Branch failure Part Size-200 mm dia	ted 🗆 Pari 12 Norma Inge in Ioa Number Inches 🗆 T C a. N/A 🗆	tial Full Tible Tree Tree CR	Wind funn Interior Defects a II Ma: Ma: stance <u>30</u> Moderate	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 200 mm x. dia. 100 mm x. dia. 100 mm condition condition m EZ Significant I	Affecting the Affecting the Cracks Cracks Codom Weak a Previo Dead/I Conks Respont On (s) of conco	Dense Divines/Mis e Likelihood of Fai es — Justrachments Dustrachments Dustrachments Dustrach failures Dustrach failures Dustrach failures Dustrachments	s/Galls/t	Moss Burls decay Minor	Cav Cav Sim Sapw Fall Di	Lightning Includ ity/Nest hole iilar branches rood damage/ istance Aoderate	damage ded bar % c present /decay [
Unbalanced crown C Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned Reduced Flush cuts Branch failure Part Size 200 mm dia Load on defect	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable	tial Full Tible Tree Tree CR	Wind funn Interior Defects a II Ma: Ma: stance <u>30</u> Moderate	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 200 mm x. dia. 100 mm x. dia. 100 mm condition condition m EZ Significant I	Affecting the Affecting the Cracks Cracks Codom Weak a Previo Dead/I Conks Respont On (s) of conco	Dense Divines/Mis e Likelihood of Fai e Likelihood of Fai attachments D dissing bark D Canker J Hea se growth ern ze n defect N/A D	s/Galls/f rtwood	Moss Burls decay Minor Possibl	Cav Cav Sim I Sapw G Fall Di E N le C 1	Lightning Includ ity/Nest hole ilar branches rood damage/ stance Aoderate S Probable D	damage ded bar % c present /decay [
own density Sparse cent or expected char Unbalanced crown Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned Reduced Flush cuts Branch failure Part Size 200 mm dia Load on defect Likelihood of failure	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 1 T C a. N/A 🗆 Improbable	tial Full To Dense Tree Tree LCR 30 % LCR 30 % To veral Thinned Topped Thinned Topped Ther Fall Dis Minor Possible Trunk Abnorr	Wind funn Interior Defects a II Ma: Ma: stance 30 Moderate Probable mal bark t	Loa neling I Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 100 mm x. dia. 100 mm c. Condition I Lion-tailed I Condition M EZ Significant I I Imminent I	Affecting the Affecting the Cracks Codom Weak a Previo Dead/I Conks Respont On (s) of conco Part Si Load of Likelihoo	Dense Divines/Mis e Likelihood of Fai es	s/Galls/f rtwood	Moss Burls Burls decay Minor Possibl Root pth	□ _ Cav _ Sim I Sapw □ Fall Di □ N le □ 1	Lightning Includ ity/Nest hole ilar branches rood damage/ istance Aoderate S Probable Iar Stem	damage ded bar % c present /decay E
own density Sparse cent or expected char Unbalanced crown [] Dead twigs/branches Broken/Hangers Over-extended brar Pruning history Crown cleaned [] Reduced [] Flush cuts [] Branch failure Part Size-200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems	ted 🗆 Pari 2 Norma inge in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable □ □	tial Full Tible Thinned Topped Thinned Fopped Thinned Topped Thinned	Wind funn Interior Defects a II Ma: Ma: Stance 30 Moderate Probable mal bark t	Loa neling Relat r branches Few and Conditions — Crown a x. dia. <u>100 mm</u> x. dia. <u>100 mm</u> x. dia. <u>100 mm</u> crodution Condition m Significant Imminent cracks	Affecting the Affecting the Affecting the Affecting the Cracks Codon Weak a Previo Dead/I Conks Respon on (s) of conce Part Si Load of Likelihoo	Dense Divines/Mis	s/Galls/f rtwood	Moss Burls Burls decay Minor Possibl Root pth	□ _ Cav _ Sim I Sapw □ Fall Di □ N le □ 1 : Col	Lightning Includ ity/Nest hole iilar branches rood damage/ istance Aoderate S Probable Iar Stem Stem	damage ded bar % c present /decay [
own density Sparse cent or expected char Unbalanced crown E Dead twigs/branches Broken/Hangers Over-extended brar Pruning history Crown cleaned [] Reduced [] Flush cuts [] Branch failure Part Size-200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems Sapwood damage/	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable (decay 🖓	tial Full V al Dense d factors Tree I LCR 30 % % overal Thinned Fopped Dther Fall Dis Fall Dis Fall Dis Minor e Possible Trunk — Abnorr Included bas Cankers/Galls,	Wind funn Interion Defects a II Ma: Ma: Ma: stance 30 Stance 30 Probable mal bark t rk □ /Burls □	Loa neling Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 200 mm x. dia.	Affecting the crown size Affecting the cracks Codorn Weak a Previor Dead/I Conks Respondent (s) of concer Part Sice Collar Collar Dead Ooze	Dense Divines/Mis	s/Galls/f rtwood	Moss Burls Gurls Gurls Gurls Gurls Burls Gurls G	_ Cav _ Sim I Sapw Fall Di _ N e _ I	Lightning Includ ity/Nest hole ilar branches vood damage/ istance Aoderate S Probable Iar — Stem Conks/Musi Cavity	damage ded bar % c present /decay E
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches Broken/Hangers Over-extended brar Pruning history Crown cleaned [] Reduced [] Flush cuts [] Branch failure Part Size 200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems Sapwood damage/ Lightning damage []	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 1 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	tial Full full full f	Wind funn Interior Defects a II Ma: Ma: Stance 30 Moderate Probable mal bark t rk /Burls ponks/Mus	Loa neling Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 200 mm x. dia.	Affecting the Affecting the Affecting the Affecting the Cracks Codom Weak a Previo Dead/I Conks Respont On (s) of conce Part Si Load of Likelihoot Collar Dead Ooze Cracks	Dense Divines/Mis	s/Galls/f rtwood	Moss Burls Gurls Gurls Gurls Gurls Burls Gurls G	_ Cav _ Sim I Sapw Fall Di _ N e _ I	Lightning Includ ity/Nest hole iilar branches rood damage/ istance Moderate SProbable lar —_ Stem Conks/Musi Cavity	damage ded bar % c present /decay I Significar Immino girdlin hrooms <u>D</u> % circc k in SR2
own density Sparse cent or expected cha Unbalanced crown I Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned I Reduced I Flush cuts I Branch failure Part Size 200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems Sapwood damage/ Lightning damage I Cavity/Nest hole Lean_° Correct	ted 🗆 Pari 2 Norma inge in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable C decay (decay (decay % circ. ted? Yes	tial Full Tuberse tial Full Tuberse	Wind funn Interior Defects a II Ma: Ma: Ma: stance 30 Moderate Probable mal bark t rk mal bark t rk /Burls	Loa neling Relat r branches Few and Conditions — Crown a x. dia. <u>100 mm</u> x. dia. <u>100 mm</u> x. dia. <u>100 mm</u> x. dia. <u>100 mm</u> crown a x. dia. <u>100 mm</u> crown a Significant I Significant I Significant I Significant Cracks I Sap ooze hrooms Poor taper I	Affecting the Affecting the Affecting the Affecting the Cracks Codom Weak a Previo Dead/I Conks Respon on (s) of conce Part Si Load o Likelihoo	Dense Divines/Mis	s/Galls/f rtwood	Moss Burls Gurls G	Cav _ Cav _ Sim I Sapw Distand	Lightning Includ ity/Nest hole iilar branches rood damage/ istance Moderate SProbable lar —_ Stem Conks/Musi Cavity	damage ded bar % c present /decay E
own density Sparse cent or expected cha Unbalanced crown E Dead twigs/branches Broken/Hangers Over-extended brar Pruning history Crown cleaned [] Reduced [] Flush cuts [] Branch failure Part Size 200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems Sapwood damage/ Lightning damage E Cavity/Nest hole<* Correct	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable (decay 1 Heartwo % circ. ted? Yes (es, above	tial Full Tial Tree Carbon Content of the second s	Wind funn Interior Defects a II Ma: Ma: Ma: stance 30 Moderate Probable mal bark t rk /Burls onks/Musl	Loa neling Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 100 mm x. dia. 200 mm x. dia.	Affecting the Affecting the Affecting the Affecting the Cracks Codom Weak a Previo Dead/I Conks Respon on (s) of conce Part Si Load o Likelihoo	Dense Divines/Mis	s/Galls/f rtwood	Moss Burls Gurls G	Cav _ Cav _ Sim I Sapw Distand	Lightning Includ ity/Nest hole iilar branches rood damage/ istance Moderate SProbable lar —_ Stem Conks/Musi Cavity	damage ded bar % c present /decay I Significar Immino girdlin hrooms <u>D</u> % circc k in SR2
own density Sparse cent or expected cha Unbalanced crown I Dead twigs/branches Broken/Hangers Over-extended bran Pruning history Crown cleaned I Reduced I Flush cuts I Branch failure Part Size 200 mm dia Load on defect Likelihood of failure Dead/Missing bark Codominant stems Sapwood damage/ Lightning damage I Cavity/Nest hole Lean_° Correct	ted 🗆 Pari 2 Norma ange in Ioa Number nches 🗆 T C a. N/A 🗆 Improbable a. N/A 🗆 Improbable C decay C Heartwo % circ. ted? Yes (es, above cern	tial Full Tull Tull Tull Tull Full Full Full	Wind funn Interior Defects a II Ma: Ma: Stance 30 Moderate Probable mal bark t rk /Burls onks/Musl	Loa neling Relati r branches Few and Conditions — Crown a x. dia. 100 mm x. dia. 100 mm x. dia. 200 mm x. dia.	Affecting the Affecting the Affecting the Affecting the Affecting the Cracks Codon Weak : Previo Dead/I Conks Respont on (s) of conce Part Si Load of Likelihoot Collar Dead Collar Dead Collar Dead Collar Dead Collar Dead	Dense Divines/Mis	s/Galls/f rtwood able cay roots	Moss Burls Gurls G	Cav _ Cav _ Sim I Sapw Distance Fall Di E N e D istance	Lightning Includ ity/Nest hole ilar branches vood damage/ istance Aoderate S Probable Iar — Stem Conks/Musi Cavity ce from trun Soil we	damage ded bar % c present /decay E

Risk Categorization																			
								Likel	ihoc	bd									
Target			Failure Impact									ure &			Cor	Consequences		ces	
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch			\checkmark			\checkmark				\checkmark				\checkmark				L
	Root plate	Failure		✓					\checkmark		\checkmark							\checkmark	L
House	Branch	Failure		\checkmark			\checkmark				\checkmark					\checkmark			L
	Root plate			~					\checkmark		\checkmark						✓		L
Cars	Branch	Failure		\checkmark						✓		✓				✓			L
	Root plate	i alluite		\checkmark					<			<				\checkmark			L
People using	Branch			\checkmark				<			\checkmark							\checkmark	L
front yard	Root plate	Failure		\checkmark				\checkmark			\checkmark							\checkmark	L
	•																		

....

. .

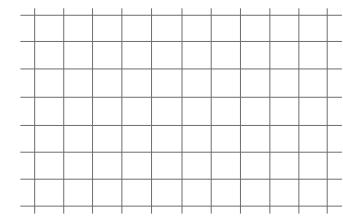
Matrix1. Likelihood matrix.

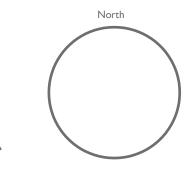
Likelihood		Likelihood of Impact								
of Failure	Very low	Low	Medium	High						
Imminent	Unlikely	Somewhat likely	Likely	Very likely						
Probable	Unlikely	Unlikely	Somewhat likely	Likely						
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely						
Improbable	Unlikely	Unlikely	Unlikely	Unlikely						

Matrix 2. Risk rating matrix.

Likelihood of		Consequences of Failure									
Failure & Impact	Negligible	Minor	Significant	Severe							
Very likely	Low	Moderate	High	Extreme							
Likely	Low	Moderate	High	High							
Somewhat likely	Low	Low	Moderate	Moderate							
Unlikely	Low	Low	Low	Low							

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection Residual risk Low Residual risk _____ 2. ____ Residual risk 3. _ Residual risk 4. **Overall tree risk rating** Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 Recommended inspection interval <u>2 years</u> None 🗆 Low 🗹 Moderate 🗆 High 🗆 Extreme 🗆 **Overall residual risk** Data ☑ Final □ Preliminary Advanced assessment needed □₩o □Yes-Type/Reason Inspection undertaken from ground level only Inspection limitations
None
Visibility
Access
Vines
Root collar buried Describe

Document Set ID: 7428481 This datastret was produced by the International Society of Arboriculture (ISA) — 2017 Version: 2, Version Date: 14/12/2022

	nt Yarra Ranges Council		Date <u>6/09/2022</u>						
ree	ress/ Tree location <u>134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795098</u>								
			Height <u>30 m</u>						
sse			ape, soil probe			_ Tim	e frame <u>2 y</u>	ears	
	Target Asse	essment		_			-	-	
Target number	Target description		Target protection	Target within drip line <u>n</u>	Target within 1 and 1 x Ht. 02		Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction
1	People in house		House		 Image: V 	 Image: A start of the start of	3	N	N
2	House				 	 Image: A start of the start of	4	N	N
3	People using yard			 Image: A second s	 Image: V 	 	2	N	N
4									
-	Site Fact	tors		1		1	1	1	-
bil	changes None □ Grade change □' Site clearing □' Changed soil hydrology conditions Limited volume □ Saturated □ Shallow □ Compacted □ Pav ailing wind direction <u>SW Co</u> mmon weather Strong winds □ Ice □ Snow	vement o v 🛛 Heav	ver roots <mark>☑' <10</mark> % D ⁄y rain □ De sć ribe	escribe -	e <u>Conc</u>	rete s	lab in SRZ		
go	Tree Health and S r Low □ Normal 2 High □ Foliage None (seasonal) □ Non			% C	hlorot	ic	% Nec	rotic _	
		otic							
e	ies failure profile Branches ☐/Trunk□ Roots ☐/Describe Load Fac								_
	Tree Defects and Conditions Affe — Crown and E			ure					
 	Jnbalanced crown □ LCR 50_% Dead twigs/branches ☑ 5_% overall Max. dia. 150 mm Broken/Hangers Number Max. dia Dver-extended branches □ Pruning history Pruning history	Codomi Weak at	□ nant □ tachments □ s branch failures ☑ _			Cav	ity/Nest hole	led bar %	k □ circ.
	Crown cleaned Thinned Raised Reduced Topped Lion-tailed Flush cuts Other	Conks [twood	decay		ood damage/		
	Branch failure Condition (s)								
		of conce	rn						
 	Part Size <u>150 mm dia.</u> Load on defect N/A Minor Moderate Z Significant	of conce Part Siz Load on	rn		Minor	Fall Di	istance ∕oderate□ S	ignificar	
	Part Size <u>150 mm dia.</u> Load on defect N/A Minor Moderate Z Significant	of conce Part Siz Load on	rn e defect N/A 🗆	bleD	Minor Possibl	Fall Di	istance Aoderate□ S Probable □	ignificar	nt 🗆

		Risk Cate	egor	izat	ion														
							I	Likel	ihoo	d									
Target			Failure Impact ^F			Failure & Impact (from Matrix 1)			Со	nseq	uen	ces							
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	F allows			<		<				<						<		L
	Root plate	Failure		\checkmark					\checkmark		\checkmark							\checkmark	L
House	Branch	F - 11 - 11			>			\checkmark			<					<			L
	Root plate	Failure		\checkmark					\checkmark		\checkmark						\checkmark		L
People using	Branch	To the second			✓			\checkmark			✓							\checkmark	L
yard	Root plate	Failure		\checkmark				\checkmark			\checkmark							\checkmark	L
Matrix I. Likelihood ma	triv					1	-		1	1			1			I	1		
					-														

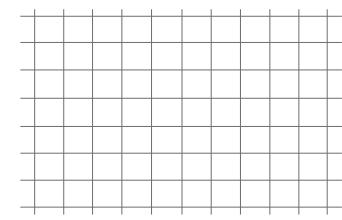
.

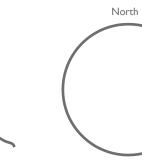
Likelihood		Likelihood of Impact								
of Failure	Very low	Low	Medium	High						
Imminent	Unlikely	Somewhat likely	Likely	Very likely						
Probable	Unlikely	Unlikely	Somewhat likely	Likely						
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely						
Improbable	Unlikely	Unlikely	Unlikely	Unlikely						

Matrix 2. Risk rating matrix.

Likelihood of				
Failure & Impact	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection	Residual risk <u>Low</u>
2. Clean crown of dead wood	Residual risk Low
3	Residual risk
4	Residual risk
Overall tree risk rating Low 🛛 Moderate 🗆 High 🗆 Extreme 🗔	
Overall residual risk None □ Low ☑ Moderate □ High □ Extreme □ Recommended inspection in	nterval 2 years

Data 🛛 Final 🖓 Preliminary Advanced assessment needed 🖾 No 🏧 es-Type/Reason ______ Aerial inspection of crown to check for weak branch attachments

Inspection limitations INone Visibility Access IVines Root collar buried Describe Inspection undertaken from ground level only

	nt Yarra Ranges Council				Time_ <u>9:15:00 AM</u>						
	Iress/ Tree location <u>134 Hereford Rd, Mount Evelyn VIC 3796 / 145.379460</u>										
	e species <u>Eucalyptus goniocalyx</u> dbh 70 dbh		-								
ASS				Time frame 2 years							
	Target Ass	sessment									
Target number	Target description	Ta	rget protection	Target within drip line	Target within a tage 1 x Ht. Oz		Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?		
1	People in house	Но	use	V	 	 Image: A set of the set of the	3	Ν	N		
2	House			\checkmark	 	 Image: A second s	4	Ν	N		
3	People using yard			 Image: A start of the start of	 Image: A start of the start of	 	2	N	N		
4											
	Site Fac	ctors					-				
Hist	cory of failures Yes		Topography	/ Flat□	Slope	e⊠	<u>10%</u> As	spect <mark>S</mark>	South		
	changes None □ Grade change I' Site clearing I' Changed soil hydrolog										
	conditions Limited volume □ Saturated ☑ Shallow □ Compacted □ Pa			escribe	e <u>Conc</u>	rete sl	ab in SRZ				
Prev	vailing wind direction <u>SW Co</u> mmon weather Strong winds D Ice Sno	-		-							
	Tree Health and S	•		× 0			0/ 10-				
	or Low√Z Normal □ High □ Foliage None (seasonal) □ No ts/Biotic Abi		Normal <u>90</u>					rotic _	9		
	cies failure profile Branches ' Trunk Roots ' Describe										
	wn density Sparse 2 Normal Dense Interior branches Few No ent or expected change in load factors Tree Defects and Conditions Affe	ecting the Lik	elihood of Fail		141035	ш					
(— Crown and	Branches -	_								
	Unbalanced crown LCR 20 %										
	Dead twigs/branches ☑ 10 % overall Max. dia. 150 mm Broken/Hangers Number Max. dia Over-extended branches □ Pruning history	Cracks 🛛 Codominant Weak attach Previous bra	ments 🛛 Inch failures 🗹 _			_ Cav _ Sim	ity/Nest hole ilar branches	led bar % o present	k□ circ. t⊡		
	Broken/Hangers Number Max. dia. Over-extended branches □ Pruning history Pruning history Thinned □ Crown cleaned □ Thinned □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks □ _ Codominant Weak attach Previous bra Dead/Missin Conks □ Response gr	:□ ments □ nch failures ☑ g bark □ Cankers Hear owth	/Galls/E twood	Burls □ decay	_ Cav _ Sim I Sapw 	ity/Nest hole_ ilar branches ood damage/	led bar % c present decay [k□ circ. t☑		
	Broken/Hangers Number Max. dia. Over-extended branches □ Pruning history Pruning history Thinned □ Crown cleaned □ Thinned □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks □ _ Codominant Weak attach Previous bra Dead/Missin Conks □ Response gr	:□ ments □ nch failures ☑ g bark □ Cankers Hear owth	/Galls/E twood	Burls □ decay	_ Cav _ Sim I Sapw 	ity/Nest hole_ ilar branches ood damage/	led bar % c present decay [k□ circ. t☑		
	Broken/Hangers Number Max. dia Over-extended branches Pruning history Crown cleaned Thinned Raised Reduced Topped Lion-tailed Flush cuts Other Branch failure Condition (s) o	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern	i□ ments □ nch failures ☑ _ g bark □ Cankers Hear owth	/Galls/E twood	Burls □ decay	_ Cav _ Sim I Sapw	Incluc ity/Nest hole_ ilar branches ood damage/	led bar % c present /decay [ik □ circ. t ☑ □		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on definition	i□ ments □ nch failures ☑ _ g bark □ Cankers Hear owth	/Galls/E twood	Burls □ decay Minor	_ Cav _ Sim I Sapw □ Fall Di	Incluc ity/Nest hole ilar branches ood damage/ stance Moderate S	led bar % (present 'decay [rk 🗆 ccirc. t 🗹 		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on definition	ments means	/Galls/E twood ble□	Burls decay Minor Possibl	_ Cav _ Sim I Sapw □ Fall Di □ N le □ 1	Incluc ity/Nest hole ilar branches ood damage/ stance Moderate S Probable D	led bar % (present 'decay [rk 🗆 ccirc. t 🗹 		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on defi Likelihood of	i□ ments □ g bark □ Cankers Hear owth ect N/A □ failure Improbal	/Galls/E twood bleD	Burls decay Minor Possibl	_ Cav _ Sim I Sapw D Fall Di D N le D 1	Incluc ity/Nest hole_ ilar branches ood damage/ stance Aoderate□ S Probable □ lar —	led bar % (present 'decay [k 🗆 circ. t 🗹 mt ent 🗆		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other Branch failure Condition (s) o Part Size 150 mm dia. Fall Distance 25 m Load on defect N/A □ Minor □ Moderate Significant □ Likelihood of failure Improbable □ Probable ☑ Imminent □ — Trunk —	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on defi Likelihood of	i□ ments □ g bark □ Cankers Hear owth ect N/A □ failure Improbal Roots d/Not visible □	/Galls/E twood bleD	Burls decay Minor Possibl Root	_ Cav _ Sim I Sapw D Fall Di D N le D 1	Incluc ity/Nest hole_ ilar branches ood damage/ stance Aoderate□ S Probable □ lar —	led bar % c present (decay [k □ circ. t ☑ □ □ nt□ ent □		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on defe Likelihood of Collar burie	i□ ments □ g bark □ Cankers Hear owth ect N/A □ failure Improbal Roots d/Not visible □	/Galls/E twood ble and I De	Burls decay Minor Possibl Root	_ Cav _ Sim I Sapw I Sapw Fall Di _ N le I I	Incluc ity/Nest hole ilar branches ood damage/ stance Aoderate□ S Probable □ Iar Stem	led bar % c present /decay E ignificar Immino girdlin hrooms	k 🗆 circ. t 🗹 		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr Dfconcern Part Size Load on defr Likelihood of Collar burie Dead	i□ ments □ g bark □ Cankers Hear owth ect N/A □ failure Improbal Roots d/Not visible □	/Galls/E twood ble and De cay	Burls decay Minor Possibl Root	_ Cav _ Sim I Sapw D Fall Di D N le D 1	Incluc ity/Nest hole_ ilar branches ood damage/ stance Moderate S Probable S Probable S Iar Conks/Musl Cavity D	led bar % c present (decay [k □ circ. t ☑ ent □ g □ s □ s		
	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on defi Likelihood of Collar burie Dead Ooze Cracks Root plate I	i□ ments □ nch failures ☑ _ g bark □ Cankers Hear owth ect N/A □ failure Improbal Roots d/Not visible □ Dec Cut/Damaged	/Galls/E twood ble and De cay	Burls decay Minor Possibl Root	_ Cav _ Sim I Sapw I Sapw Fall Di B R I Col	Incluc ity/Nest hole ilar branches ood damage/ stance Aoderate S Probable lar Conks/Musl Cavity Cavity Soil we	led bar % c present /decay [
	Broken/Hangers Number Max. dia. Over-extended branches □ Pruning history Crown cleaned Crown cleaned Thinned Reduced Topped Lion-tailed Fall Distance Branch failure Branch failure Branch failure Condition (s) or Part Size 150 mm dia. Fall Distance 25 m Load on defect N/A Minor Moderate Significant Likelihood of failure Improbable Possible Probable Included bark Cracks Sapwood damage/decay Cankers/Galls/Burls Sapwood damage/decay Cankers/Galls/Burls Sapwood damage Heartwood decay Cornected? No 2° Corrected? No	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on defe Likelihood of Collar burie Dead Ooze Cracks Root plate I Response g	i□ ments □ g bark □ Cankers g bark □ Cankers Hear owth ect N/A □ failure Improbal failure Improbal d/Not visible □ Dec Cut/Damaged i fting □ rowth	/Galls/E twood ble and De cay	Burls decay Minor Possibl Root	_ Cav _ Sim I Sapw D Fall Di P E D istanc	Incluc ity/Nest hole ilar branches ood damage/ stance Aoderate S Probable lar Conks/Musl Cavity Cavity Soil we	led bar % c present /decay [
\	Broken/Hangers Number Max. dia Over-extended branches □ Pruning history Crown cleaned □ Thinned □ Raised □ Reduced □ Topped □ Lion-tailed □ Flush cuts □ Other	Cracks Codominant Weak attach Previous bra Dead/Missin Conks Response gr ofconcern Part Size Load on deft Likelihood of Collar burie Dead Coze Cracks Root plate I Response g Condition (i□ ments □ nch failures ☑ _ g bark □ Cankers Hear owth ect N/A □ failure Improbal Roots d/Not visible □ Dec Cut/Damaged	/Galls/E twood ble and I De cay	Burls decay Minor Possibl Possibl Pth 2 [e failur	_ Cav _ Sim I Sapw I Sapw Fall Di E N le I I : Col	Incluc ity/Nest hole ilar branches ood damage/ stance Aoderate S Probable lar Conks/Musl Cavity Cavity Soil we	led bar % c present /decay I ignificar Immino girdlin hrooms]% circ. c in SR2 eakness	k 🗆 circ. t 🗹 		

		Risk Cate	egor	izat	ion														
							I	Likel	ihoo	d									
Target			Failure Impact ^F			Failure & Impact (from Matrix 1)			Со	nseq	uen	ces							
(Target number or description)	Tree part	Condition(s) of concern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Fallura			<		\checkmark				<						<		L
	Root plate	Failure		\checkmark					\checkmark		\checkmark							\checkmark	L
House	Branch	E a llevera			✓				✓			✓				✓			L
	Root plate	Failure		\checkmark					\checkmark		\checkmark						\checkmark		L
People using	Branch	T a lloura			✓			✓			✓							✓	L
yard	Root plate	Failure		\checkmark				\checkmark			\checkmark							\checkmark	L
Matrix I. Likelihood ma	trix					I	1		I	I		I	I		I	I	I		1 1
					-														

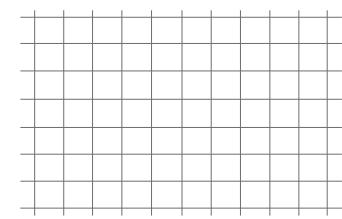
. . . .

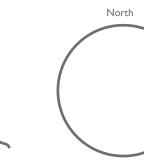
Likelihood		Likelihood of Impact								
of Failure	Very low	Low	Medium	High						
Imminent	Unlikely	Somewhat likely	Likely	Very likely						
Probable	Unlikely	Unlikely	Somewhat likely	Likely						
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely						
Improbable	Unlikely	Unlikely	Unlikely	Unlikely						

Matrix 2. Risk rating matrix.

Likelihood of	Consequences of Failure								
Failure & Impact	Negligible	Minor	Significant	Severe					
Very likely	Low	Moderate	High	Extreme					
Likely	Low	Moderate	High	High					
Somewhat likely	Low	Low	Moderate	Moderate					
Unlikely	Low	Low	Low	Low					

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection		Residual risk Low
2. Clean crown of dead wood		Residual risk Low
3		Residual risk
4		Residual risk
Overall tree risk rating	Low 🛛 Moderate 🗆 High 🗆 Extreme 🗆	
Overall residual risk None	Low 🔽 Moderate 🗆 High 🗖 Extreme 🗖	Recommended inspection interval 2 years

🛛 🗘 🖾 None 🗆 Low 🗹 Moderate 🗆 High	h 🛛 🛛 Extreme
------------------------------------	---------------

Aerial inspection of crown to check for weak branch attachments Data □Final ☑ Preliminary Advanced assessment needed □No □¥es-Type/Reason

Inspection undertaken from ground level only Inspection limitations
None
Visibility
Access
Vines
Root collar buried Describe

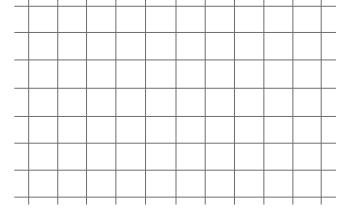
					Date <u>6/09/202</u>						
					Height <u>30 m</u>						
SSE	essor(s)				tape, soil probe			_ Tim	e frame <u>2 y</u>	ears	_
			Target	Assessment		_			1		
Target number	ssor(s)	tion		Target protection	Target within drip line <u>e</u>	Target within 1 x Ht.		Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction	
1	People in house				House	+		· •	3	N	N
2	· · · · · · · · · · · · · · · · · · ·						V	~	4	N	N
3							v	v	2	N	N
4						+				- · · ·	
-			Site	e Factors							I
oil 'ev	conditions Limited volume Sativailing wind direction SW Commo	urated 🗹 Sh on weather	allow Compacted Strong winds Ic o Tree Health	□ Pavement o Snow □ Hea and Species I	over roots□% [vy rain □ De sć ribe P rofile	Describe	2				
est	s/Biotic					-				crotic _	
			nd funneling 🗖 🛛 Relati			-		0_			
٥v	wn density Sparse 🛛 Normal 🗆	Dense I	nd funneling 🗖 🛛 Relati	ive crown size	Dense 🗆 Vines/Mi s	stletoe/		□			
rov	wn density Sparse 🛛 Normal 🗆	Dense I	nd funneling 🗆 🛛 Relati Interior branches Few	ive crown size □ Normal Affecting th	Dense Vines/Mise Likelihood of Fa	stletoe/		•			
	wn density Sparse Normal ent or expected change in load face Unbalanced crown Image: Comparison of the system	Dense I I tors Tree Def LCR 30 % 5 % overall bed I r	nd funneling 🗆 Relation Interior branches Few fects and Conditions — Crown a Max. dia. 150 mm Max. dia. 150 mm Max. dia. 150 mm Max. dia.	Affecting th Affecting th Cracks Codom Weak a Previou Dead/N Conks Respon	Dense Dines/Mis E Likelihood of Fa E inant D ttachments D s branch failures D fissing bark D Canker Hea se growth	s/Galls/l	Moss Burls decay	_ Cav _ Sim] Sapw	Lightning Includ /ity/Nest hole nilar branches /ood damage/	damag ded bar % (present /decay [k 🗆 .irc.
	wn density Sparse Normal ent or expected change in load face Unbalanced crown Image: Comparison of the system	Dense I I tors Tree Def LCR 30 % 5 % overall bed I r	nd funneling 🗆 Relation Interior branches Few fects and Conditions — Crown a Max. dia. <u>150 mm</u> Max. dia Raised Lion-tailed	Affecting th Affecting th Cracks Codom Weak a Previou Dead/N Conks Respon	Dense Divines/Mis	stletoe/ ilure s/Galls/l	′ Moss Burls □ decay	_ Cav _ Sim] Sapw	Lightning Includ /ity/Nest hole nilar branches /ood damage/	damag ded bar % (present /decay [k 🗆 .irc.
	wn density Sparse ☑ Normal □ ent or expected change in load face Unbalanced crown ☑ □ Dead twigs/branches ☑ 1 Broken/Hangers Number Over-extended branches Pruning history Crown cleaned □ Thinn Reduced □ Flush cuts □ Part Size 150 mm dia. Load on defect N/A □	Dense I I tors Tree Def LCR 30 % 5 % overall bed I r Fall Dista Minor I M	nd funneling 🗆 Relations Interior branches Few fects and Conditions — Crown a Max. dia. 150 mm Max. dia. 15	Affecting th Affecting th Affecting th Cracks Codom Weak a Previou Dead/N Conks Respon on (s) of conce Part Siz Load of	Dense 🗆 Vines/Mis e Likelihood of Fa es — inant 🗆 ttachments 🗆 s branch failures 🗠 dissing bark 🗆 Canker is e growth rn	s/Galls/l	Moss Burls decay Minor	_ Cav _ Sim] Sapw [] Fall Di	Lightning Inclue ity/Nest hole nilar branches vood damage/ istance Noderate S	damag ded bar % (present /decay [k 🗆 .iirc.] t
	wn density Sparse ☑ Normal □ ent or expected change in load fac Unbalanced crown ☑ □ Dead twigs/branches ☑ 1 Broken/Hangers Number Over-extended branches □ Pruning history □ Crown cleaned □ Thinn Reduced □ Toppo Flush cuts □ Other Branch failure □ Part Size 150 mm dia. Load on defect N/A □ Likelihood of failure Improbable□	Dense I I tors Tree Def ICR 30 % 5 % overall 15 % overall 16 I ed I r Fall Dista Minor 12 M Possible I Pr	nd funneling 🗆 Relations Interior branches Few fects and Conditions — Crown a Max. dia. 150 mm Max. dia. 15	Affecting th Affecting th Affecting th Cracks Codom Weak a Previou Dead/N Conks Respon on (s) of conce Part Siz Load of	Dense 🗆 Vines/Mis e Likelihood of Fa es — inant 🗆 ttachments 🗆 s branch failures 🗆 fissing bark 🗆 Canker is growth ern ze n defect N/A 🗆	stletoe/ ilure s/Galls/I rtwood	Moss Burls decay Minor Possibl	_ Cav _ Sim] Sapw [Fall Di [_ N le _ 1	Lightning Lightning /ity/Nest hole /ilar branches /ood damage/ istance /oderate SProbable	damag ded bar % (present /decay [k 🗆 iirc.]] tt

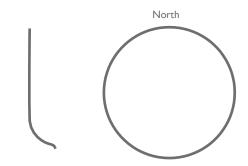
				Risk Cate	egor	izat	ion														
										Likel	ihoo	d									
Targ			Condi	tion(s)		Failı	ıre			Imp	act			ure 8			Сог	nseq	uen	ces	
(Target n or descrip		Tree part		ncern	Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in	n house	Branch					<			<			<					<			L
		Root plate	Failure			<					\checkmark		\checkmark							\checkmark	L
House		Branch					 Image: A start of the start of				<			<				<			L
		Root plate	Failure			<					<		<						<		L
People u	using	Branch					<			<			<							✓	L
yard		Root plate	Failure			<				<			<							\checkmark	L
Matrix I . Like	elihood ma	trix.					-					+						-			
Likelihood			ood of Impact				-	_			_	_						_	_		
of Failure	Very low	Low	Medium	High																	
Imminent	Unlikely	Somewhat likely	Likely	Very likely			_														
Probable	Unlikely	Unlikely	Somewhat likely	Likely	_		_				_	\square									
Possible	Unlikely	Unlikely	Unlikely	Somewhat like	ly																
Improbable	Unlikely	Unlikely	Unlikely	Unlikely			-	_			+	+			+			+	\rightarrow		

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	nces of Failure	
Failure & Impact	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection				Residual risk Low
2. Clean crown of dead wood				Residual risk Low
3				Residual risk
4				Residual risk
Overall tree risk rating	Low 🗹	Moderate 🗆 High 🗆 Extreme 🗆		
Overall residual risk None	Low 🔽	Moderate 🔲 High 🔲 Extreme 🗍	Recommended inspection inter	wal

Recommended in: ction interval

Aerial inspection of crown to check for weak branch attachments Data
Final
Preliminary Advanced assessment needed
No
Preliminary Reason

Inspection undertaken from ground level only Inspection limitations
None
Visibility
Access
Vines
Root collar buried Describe

	t Yarra Ranges Council							
	ress/ Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.37936, -37.7							
	species <u>Eucalyptus obliqua</u> dbh <u>45 cm</u> ssor(s)Tools used [
-1550						e inalite <u></u>		
	Target Assessm	lent					1	1
Target number	Target description	Target protection	Target within drip line	Target within a fat 1 × Ht. 0		Time frame 2 year Doccupancy rate 1 - rare 1 - rare 2 - occasional 3 - frequent 4 - constant 2 10% Asp 10% As	Practical to move target?	Restriction
1	People in house	House		 Image: A start of the start of	 Image: A start of the start of	1	N	N
2	House	Other trees		 	 Image: A second s	4	Ν	N
3	People using yard	Other trees	 Image: A start of the start of	 	 Image: A start of the start of	2	N	N
4								
	Site Factors	· ·						
st	ory of failures <u>Yes</u>	Topography	y Flat□	Slope	e ⊠	<u>10%</u> As	spect <mark>S</mark>	outh
e	changes None 🗖 Grade change 🖬 Site clearing 🖬 Changed soil hydrology 🖬	Root cuts 🛛 Describe						
il	conditions Limited volume 🗆 Saturated 🗹 Shallow 🗆 Compacted 🗆 Paveme	ent over roots□0% D	escribe	e				
e١	ailing wind direction SW Common weather Strong winds 🗆 Ico D Snow 🗆	Heavy rain 🗖 De sć ribe	-					
	Tree Health and Spec							
-	r Low □ Normal ☑ High □ Foliage None (seasonal) □ None (d	· · · · · · · · · · · · · · · · · · ·						
	s/BioticAbioticAbioticAbiotic							
	Load Factors	2						
_	Tree Defects and Conditions Affectin — Crown and Bra		ure					
	Unbalanced crown □ LCR 50_% Cra Dead twigs/branches ☑ _5_% overall Max. dia. 100 mm Co Broken/Hangers Number Max. dia. We	acks 🗆 dominant 🗆 eak attachments 🗖			Cav	Incluc	led bar % c	k □ circ.
	Crown cleaned Thinned Reduced Topped Lion-tailed Co	ad/Missing bark 🛛 Cankers	s/Galls/E twood	Burls □ decay	Sapw	ood damage/	/decay []
	Branch failure Condition (s) of c							
	()							
		oncern						
	Part Size <u>100 mm dia.</u> Load on defect N/A Minor ✔ Moderate Significant Lo	ncern		Vinor	Fall Di	stance ∕oderate□ S	ignifican	nt 🗆
	Part Size <u>100 mm dia.</u> Load on defect N/A □ Minor 12 Moderate □ Significant □ Lo	rt Size ad on defect N/A 🗆	l ble⊡ l	Vinor Possibl	Fall Di	stance ∕oderate□ S Probable □	ignifican	nt 🗆
_	Part Size 100 mm dia. Fall Distance 20 m Pa Load on defect N/A Minor 12 Moderate Significant Lo Likelihood of failure Improbable Possible Probable Imminent Likel — Trunk —	rt Size ad on defect N/A 🗆 ihood of failure Improba	bleD i	Minor Possibl Root	Fall Di Me I Col	stance Noderate口 S Probable 口 Iar —	ignifican Immine	nt 🗆 ent 🖸
~	Part Size 100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate□ Significant□ Lo Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood — Trunk —	rt Size	bleD i	Minor Possibl Root	Fall Di Me III Col	stance S Aoderate	ignifican Immine girdlin	ent [
_	Part Size_100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate□ Significant□ Load Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Dead/Missing bark □ Abnormal bark texture/color □ Color Color Dead Codominant stems □ Included bark □ Cracks □ Dead Dead Sapwood damage/decay □ Cankers/Galls/Burls □ Sap Sap Oc	rt Size	ble i and i	Minor Possibl Root	Fall Di Me III Col	stance Moderate S Probable lar — Stem Conks/Musl	ignifican Immine girdlin hrooms	nt [] ent [] g [] ; []
_	Part Size 100 mm dia. Part Size 100 mm dia. Fall Distance 20 m Fall Distance 20 m Pa Load on defect N/A Likelihood of failure Improbable Possible Probable Imminent Likelihood of failure Improbable Possible Possible Probable Imminent Likelihood of failure Improbable Possible Possible Probable Imminent Likelihood of failure Improbable Possible Possible Probable Possible Probable Imminent Likelihood of failure Improbable Possible Possible Probable Imminent Possible Possible Possible Probable Possible	rt Size	ble i and i De cay i	Minor Possibl Root pth	Fall Di Me III Col	stance Aoderate S Probable D lar —_ Stem Conks/Musl Cavity D!	ignifican Immino girdlin hrooms 12% circ.	g 🗆
	Part Size_100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate□ Significant□ Load Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Likelihood of failure Improbable□ Possible 2 Probable □ Imminent □ Likelihood Dead/Missing bark □ Abnormal bark texture/color □ Co Codominant stems □ Included bark □ Cracks □ De Sapwood damage/decay □ Cankers/Galls/Burls □ Sap ooze □ Oc Lightning damage Heartwood Conks/Mushrooms □ Cracks Cavity/Nest hole % circ. DepthPoor taper □ Lean Ro	rt Size ad on defect N/A ihood of failure Improba Roots Ilar buried/Not visible ead Dep backs Cut/Damaged ro ot plate lifting 	ble diamond l	Minor Possibl Root pth Distar	Fall Di Ne Col Col	stance Moderate S Probable lar — Stem Conks/Musl Cavity com trunk Soil we	ignifican Immine girdlin hrooms 1% circ.	g 🗆
	Part Size 100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate □ Significant □ Lo Likelihood of failure Improbable □ Possible 2 Probable □ Imminent □ Likeli Likelihood of failure Improbable □ Possible 2 Probable □ Imminent □ Likelihood of failure Likelihood of failure Improbable □ Possible 2 Probable □ Imminent □ Likelihood of failure Dead/Missing bark □ Abnormal bark texture/color □ Co Codominant stems<□	rt Size ad on defect N/A ihood of failure Improba Roots Ilar buried/Not visible ead Dep backs Cut/Damaged ro ot plate lifting 	ble diamond l	Minor Possibl Root pth Distar	Fall Di Ne Col Col	stance Moderate S Probable lar — Stem Conks/Musl Cavity com trunk Soil we	ignifican Immine girdlin hrooms 1% circ.	g 🗆
-	Part Size 100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate Significant Load Likelihood of failure Improbable Possible Probable Imminent Likelihood Likelihood of failure Improbable Abnormal bark texture/color Co Codominant stems Included bark Cracks De Codominant stems Included barks/Burls Sap ooze Oc Cavity/Nest hole % circ. DepthPoor taper Lean Corrected? No - phototropic lean Re Response growth Corrected? Corrected? Corrected?	rt Size ad on defect N/A ihood of failure Improba Roots Ilar buried/Not visible ead Dec bze acks Cut/Damaged ro ot plate lifting sponse growth	ble	Minor Possibl Root pth Distar	Fall Di Ne III Col	stance Moderate S Probable lar — Stem Conks/Musl Cavity com trunk Soil we	ignifican Immine girdlin hrooms 1% circ.	
	Deart Size_100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate □ Significant □ Load Likelihood of failure Improbable □ Possible 12 Probable □ Imminent □ Likelihood Likelihood of failure Improbable □ Possible 12 Probable □ Imminent □ Likelihood Likelihood of failure Improbable □ Possible 12 Probable □ Imminent □ Likelihood Likelihood of failure Improbable □ Possible 12 Probable □ Imminent □ Likelihood Likelihood of failure Improbable □ Abnormal bark texture/color □ Co Dead/Missing bark □ Abnormal bark texture/color □ Co Co Codominant stems □ Included bark □ Cracks □ Deading texture/color □ Co Codominant stems □ Included bark □ Conks/Mushrooms □ Cracks Deading texture/color □ Co Sapwood damage/decay □ Heartwood decay □ Conks/Mushrooms □ Cracks Cracks Lightning damage □ Heartwood decay □ Poor taper □ Lean Reading texture/color Corrected? No - phototropic le	rt Size ad on defect N/A ihood of failure Improba Roots Ilar buried/Not visible ead Dec bze acks Cut/Damaged ro ot plate lifting sponse growth indition (s) of concern R	ble and Dep cay ots oots plate	Minor Possibl Root pth Distar e failur	Fall Di Ne Col Col	stance Aoderate S Probable lar — Stem Conks/Musl Cavity cavity Soil we	ignifican Immino girdlin hrooms <u>1</u> % circ.	g 🗆
-	Part Size 100 mm dia. Fall Distance 20 m Pa Load on defect N/A □ Minor 12 Moderate Significant Load Likelihood of failure Improbable Possible Probable Imminent Likelihood Likelihood of failure Improbable Abnormal bark texture/color Co Co Codominant stems Included bark Cracks De De Sapwood damage/decay Cankers/Galls/Burls Sap ooze Oc Lightning damage Heartwood decay Conks/Mushrooms Cracks Cavity/Nest hole % circ. Depth Poor taper Lean 2.º Corrected? No - phototropic lean Re Co	rt Size ad on defect N/A ihood of failure Improba Roots Ilar buried/Not visible ead Dec bze acks Cut/Damaged ro ot plate lifting sponse growth	ble and Dep cay ots oots plate	Minor Possibl Root pth Distar e failur	Fall Di Ne Col Col	stance Aoderate S Probable lar — Stem Conks/Musl Cavity cavity Soil we	ignifican Immino girdlin hrooms <u>1</u> % circ.	g 🗆

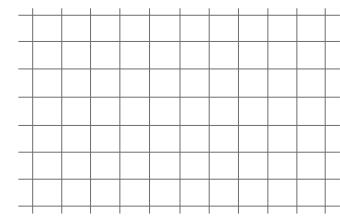
				Risk Cate	egor	izat	ion														
									I	ikel	ihoo	d									
Targe	ot .					Failu	ure			Imp	act			ure 8			Cor	nseq	uen	ces	
(Target nu or descript	umber	Tree part		Condition(s) of concern		Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in	house	Branch	F ailtain			 			<				 					<			L
		Root plate	Failure			\checkmark				✓			\checkmark							\checkmark	L
House		Branch	E allere a			✓			✓				✓					✓			L
		Root plate	Failure			\checkmark				✓			\checkmark						\checkmark		L
People u	using	Branch				✓				✓			✓							✓	L
yard		Root plate	Failure			<				<			<							✓	L
Matrix I. Like	lihood ma	trix.					_	_			_	_			_			_			
Likelihood		Likeliho	od of Impact				_														
of Failure	Very low	Low	Medium	High																	

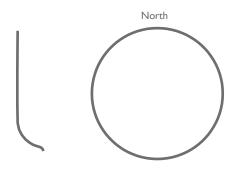
Likelihood		Likelih	ood of Impact	
of Failure	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of		Consequer	nces of Failure	
Failure & Impact	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions





Mitigation options

1. Periodic re-inspection						_Residual risk L
2						Residual risk
3						Residual risk
4						Residual risk
Overall tree risk rating	Low 🗹	Moderate 🗆 I	High 🛛 Ex	treme 🗖		
Overall residual risk None	Low 🗹	Moderate 🛛	High 🛛	Extreme 🗖	Recommended inspection inte	erval 2 years
Data Final Preliminary Adva	ced assess	ment needed		es-Type/Reasor	۱	
Inspection limitations	/isibility 🛛	Access □Vines	□Root c	ollar buried Des	scribe Inspection undertaken	from ground level only

rο									
	-								
SSe	essor(s) <u>I</u>					Time frame_2 one ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	e frame <u>2 y</u>	ears	_
		Target Assessmen	t				1		
Target number	Target descriptio	n	Target protection				Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
1	People in house		House		v			N	N
2	•				v	v	4	N	N
				_				N	N
							-		- · ·
<u> </u>	<u> </u>	Site Factors		<u> </u>					<u> </u>
re\ 'igo	vailing wind direction SW Common weather Store or Low D Normal High D Foliage No	rong winds I Ice Snow He Tree Health and Species one (seasonal) None (dead	avy rain 🗆 De sć ribe Profile 1) 🗆 Normal <u>90</u>	% C	hlorot	tic	% Nec		
	-								
pe									
eu									
-	I ree Dete	-		lure					
	Unbalanced crown LCR 25 % Dead twigs/branches 20 % overall Broken/Hangers Number Over-extended branches Pruning history Crown cleaned Thinned Reduced Topped Flush cuts Other		hes — ininant □ attachments □ us branch failures ☑ _ Missing bark □ Cankers □ Hear nse growth	s/Galls/I	Burls ⊑ decay	_ Cav _ Sim] Sapw	ity/Nest hole_ hilar branches wood damage/	led bar % o present /decay [ſk □ circ. t ☑
	Unbalanced crown LCR 25 % Dead twigs/branches 20 % overall Broken/Hangers Number Over-extended branches Pruning history Crown cleaned Thinned Reduced Topped Flush cuts Other		hes — ininant □ attachments □ us branch failures ☑ _ Missing bark □ Cankers □ Hear nse growth	s/Galls/I	Burls ⊑ decay	_ Cav _ Sim] Sapw	ity/Nest hole_ hilar branches wood damage/	led bar % o present /decay [ſk □ circ. t ☑
1 People in house / / 3 N 2 House Other trees / / 4 N 3 People using yard /				led bar % (present (decay [rk 🗆 circ. t 🗹				
	Unbalanced crown □ LCR 25 % Dead twigs/branches ☑ 0 % overall Broken/Hangers Number Over-extended branches □		hes — ininant □ attachments □ us branch failures ☑ _ Missing bark □ Cankers □ Hear nse growth ern ize on defect N/A □ bd of failure Improba	s/Galls/f rtwood	Burls decay Minor Possibl	Time 10:08:00 / Sheet Time frame 2 yea Time frame 2 yea Time frame 2 yea Docupancy rate 1 - rare 2 - occupancy rate 1 - rare 2 - occupancy 1 - rare 2 - ocsupancy 1 - rare 2 - occupancy 1 - rare 2 - ocsupancy 1 - rare 2 - occupancy 1 - rare 2 - ocsupancy 1 - ocsupancy 1 - rare 1 - rare 2 - ocsupancy 1 - ocs			rk 🗆 circ. t 🗹

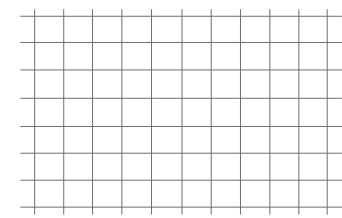
		Risk Cate	egor	izat	ion														
							I	Likel	ihoo	d									
Target				Failu	ıre			Imp	act			ure &			Сог	nseq	luen	ces	
(Target number or description)	Tree part	Condition(s) of concern		Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Foiluro			 		✓				 					✓			L
	Root plate	Failure		\checkmark					\checkmark		\checkmark							\checkmark	L
House	Branch	E a llevera			<		✓				✓					✓			L
	Root plate	Failure		\checkmark					\checkmark		\checkmark						\checkmark		L
People using	Branch	To the set			<			✓			✓							\checkmark	L
yard	Root plate	Failure		<				<			<							\checkmark	L
Matrix1. Likelihood ma	triv					1	-		1	1			1			1	-		
		d of Impact			-														

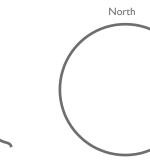
Likelihood	Likelihood of Impact				
of Failure	Very low	ery low Low Medium		High	
Imminent	Unlikely	Somewhat likely	Likely	Very likely	
Probable	Unlikely	Unlikely	Somewhat likely	Likely	
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely	
Improbable	Unlikely	Unlikely	Unlikely	Unlikely	

Matrix 2. Risk rating matrix.

Likelihood of	Consequences of Failure					
Failure & Impact	Negligible	Minor	Significant	Severe		
Very likely	Low	Moderate	High	Extreme		
Likely	Low	Moderate	High	High		
Somewhat likely	Low	Low	Moderate	Moderate		
Unlikely	Low	Low	Low	Low		

Notes, explanations, descriptions





Mitigation options

1 Periodic re-inspection			Residual risk Low
2. Clean crown of dead wood			Residual risk Low
3			Residual risk
4			Residual risk
Overall tree risk rating	Low 🗹	Moderate 🗆 High 🗆 Extreme 🗆	

Overall residual risk	None 🗖	Low 🗹	Moderate 🛛	High 🛛	Extreme 🗖
------------------------------	--------	-------	------------	--------	-----------

Recommended inspection interval

Data Final Preliminary Advanced assessment needed No Ves-Type/Reason

Inspection limitations INone Visibility Access IVines Root collar buried Describe Inspection undertaken from ground level only