Arborist Report

Tree Risk Assessment (TRA)

134 Hereford Road, Mt Evelyn

Prepared by: Nicholas Magree

(Grad Cert Arboriculture, ISA Tree Risk Assessment Qualified)

Report Date: 28 September 2022

Contents

1. Summary of Assessment

1.1 The scope of this report is 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). 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 report considers 25 trees in the road reserve. 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). Of the 25 trees assessed:

- 12 trees are assessed as low risk with no further action recommended
- 5 trees are assessed as low risk (preliminary). Further advanced assessments are required before these risk ratings are finalised
- 1 tree (dead) is assessed as low risk and tree removal is recommended
- 4 trees are assessed as moderate risk and tree removal is recommended
- 1 tree is assessed as moderate risk and branch removal is recommended
- 2 trees are assessed as high risk and tree removal is recommended.

2. Tree Plan


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Kookaburra Ln
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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
1	*Eucalyptus obliqua*	No	Normal	72	15	12	Low	No action
2	*Eucalyptus obliqua*	Yes	Normal	53	20	8	**Moderate**	Tree removal
3	*Eucalyptus obliqua*	No	Normal	80	25	16	Low	No action
4	*Eucalyptus obliqua*	No	Normal	70	30	9	Low	No action
5	*Eucalyptus obliqua*	No	Low	69	30	7	**Moderate**	Tree removal
6	*Eucalyptus obliqua*	No	Low	34	10	10	Low	No action
7	*Eucalyptus obliqua*	No	Low	71	30	12	**Moderate**	Tree removal
8	*Eucalyptus obliqua*	No	Normal	66	30	14	Low	No action
9	*Eucalyptus obliqua*	No	Normal	28	8	3	Low	No action
10	*Eucalyptus obliqua*	No	Low	38	16	5	**Moderate**	Remove broken/hanging branch
11	*Eucalyptus obliqua*	No	Dead	25	8	0	Low	Tree removal
12	*Eucalyptus obliqua*	Yes	Normal	90	30	12	**Moderate**	Tree removal
13	*Eucalyptus obliqua*	Yes	Normal	44	20	8	**High**	Tree removal
14	*Eucalyptus goniocalyx*	No	Normal	39	15	13	Low	No action
15	*Eucalyptus obliqua*	No	Low	42	15	7	Low	No action
16	*Eucalyptus obliqua*	Yes	Normal	84	30	10	Low	Clean crown of dead wood and undertake aerial inspection of the crown

Tree No.	Botanic Name	Tree within 10m of dwelling?	Vitality	DBH (cm)	Height (m)	Spread dia. (m)	Overall Risk	Recommended Action
17	*Eucalyptus obliqua*	Yes	Low	70	25	8	Low	Clean crown of dead wood and undertake aerial inspection of the crown
18	*Eucalyptus goniocalyx*	Yes	Normal	45	15	7	**High**	Tree removal
19	*Eucalyptus obliqua*	Yes	Normal	77	30	13	Low	Clean crown of dead wood and undertake an aerial inspection of the crown
20	*Eucalyptus obliqua*	Yes	Normal	37	15	10	Low	No action
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
23	*Eucalyptus goniocalyx*	No	Normal	45	18	8	Low	No action
24	*Eucalyptus obliqua*	No	Normal	38	25	6	Low	No action
25	*Eucalyptus radiata*	No	High	90	30	20	Low	Undertake tomography to test the extent of decay in the stem above the stem union

Appendix 1 Tree Risk Assessment Forms

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 1:31:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.379699, -37.76976256 Tree no. 1 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 72 cm Height 15 m Crown spread dia. 12 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	Electrical service wire		✓	✓	✓	4	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 50 %

Dead twigs/branches ☑ 10 % overall Max. dia. 150mm

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) of concern _____

Part Size 150mm Fall Distance 15m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 2 ° Corrected? No - phototropic lean

Response growth _____

Condition(s) of concern Stem union failure

Part Size 400mm Fall Distance 15m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☐

Response growth _____

Condition(s) of concern Root plate failure

Part Size whole tree Fall Distance 15m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

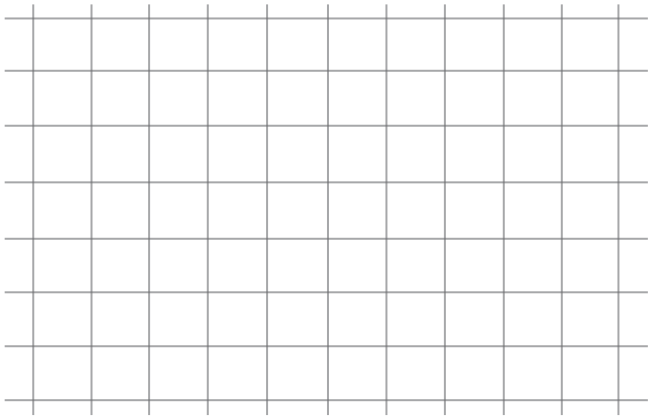
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓			✓				✓				✓				L
	Stem			✓			✓				✓						✓		L
	Roots plate		✓					✓			✓						✓		L
House	Branch	Failure		✓			✓				✓					✓			L
	Stem			✓				✓			✓						✓		L
	Root plate		✓					✓			✓						✓		L
Electrical service wire	Branch	Failure		✓					✓		✓					✓			L
	Stem			✓						✓		✓				✓			L
	Rootplate		✓							✓	✓					✓			L
People using yard	Branch	Failure		✓				✓			✓						✓		L
	Stem			✓				✓			✓							✓	L
	Root plate		✓					✓			✓							✓	L

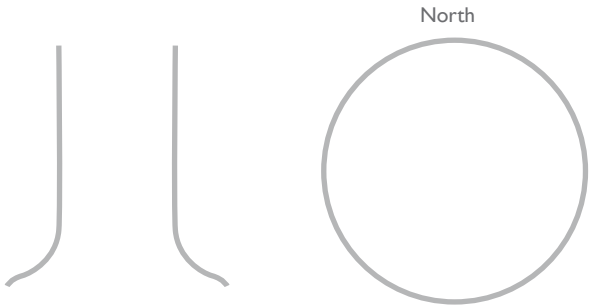
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 1:43:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797176, -37.76970076 Tree no. 2 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 53 cm Height 20 m Crown spread dia. 8 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	Cars		✓	✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 50 % Describe Gravel driveway

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☐ Normal ☑ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 25 %

Dead twigs/branches ☑ 5 % overall Max. dia. 100mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☑ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 200 mm dia. Fall Distance 20m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____ ° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☑ Depth 100 mm Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☐

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 20m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

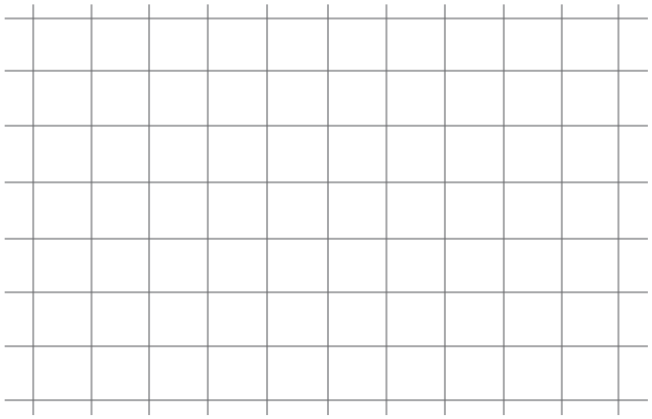
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓			✓				✓				✓				L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure		✓				✓			✓					✓			L
	Root plate			✓						✓		✓					✓		M
Cars	Branch	Failure		✓						✓		✓				✓			L
	Root plate			✓					✓		✓					✓			L
People using front yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

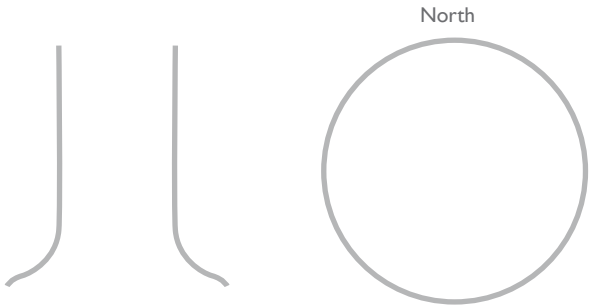
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** Moderate
2. Tree removal — **Residual risk** None
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client: Yarra Ranges Council | Date: 1/09/2022 | Time: 1:55:00 PM

Address/Tree location: 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797553, -37.76969164 | Tree no. 3 | Sheet _____ of _____

Tree species: Eucalyptus obliqua | dbh: 80 cm | Height: 25 m | Crown spread dia.: 16 m

Assessor(s): Nicholas Magree | Tools used: DBH tape, soil probe | **Time frame**: 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars		✓	✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes | **Topography** Flat ☐ Slope ☑ 10 % | **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 50 % Describe Gravel driveway

Prevailing wind direction SW | **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ | **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ | **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ | **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☐ Normal ☑ Dense ☐ | **Interior branches** Few ☐ Normal ☑ Dense ☐ | **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 40 %

Dead twigs/branches ☑ 5 % overall Max. dia. 150mm

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) of concern _____

Part Size 300mm | Fall Distance 25m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ | Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 5 ° Corrected? No - phototropic lean

Response growth Yes, around stem union and sapwood damage

Condition(s) of concern Stem union failure

Part Size 400mm | Fall Distance 15m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☐

Response growth _____

Condition(s) of concern Root plate failure

Part Size whole tree | Fall Distance 25m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

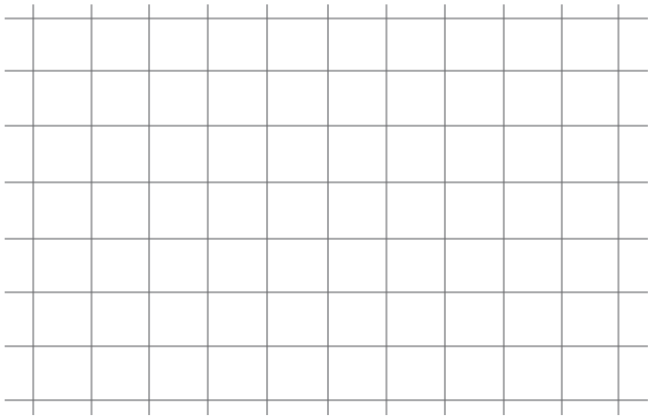
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓				✓				L
	Stem union		✓				✓				✓					✓			L
	Root plate			✓				✓			✓							✓	L
House	Branch	Failure			✓			✓			✓					✓			L
	Stem union		✓					✓			✓					✓			L
	Root plate			✓				✓			✓						✓		L
Cars	Branch	Failure			✓				✓			✓				✓			L
	Stem union		✓						✓		✓					✓			L
	Root plate			✓				✓			✓					✓			L
People using front yard	Branch	Failure			✓			✓			✓							✓	L
	Stem union		✓					✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

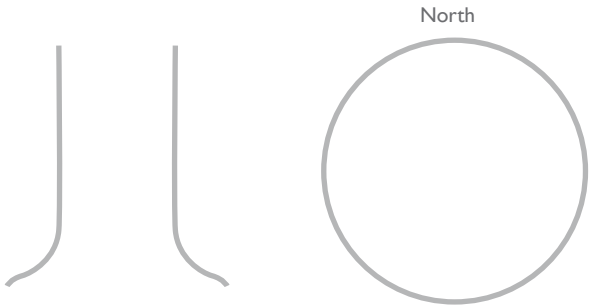
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:07:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797886, -37.769691 Tree no. 4 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 70 cm Height 30 m Crown spread dia. 9 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars		✓	✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 75 % Describe Gravel road and driveway

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☐ Normal ☑ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 25 %

Dead twigs/branches ☑ 5 % overall Max. dia. 100mm

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) of concern _____

Part Size 200mm Fall Distance 30m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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

Response growth Yes, around sapwood damage

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size whole tree Fall Distance 30m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

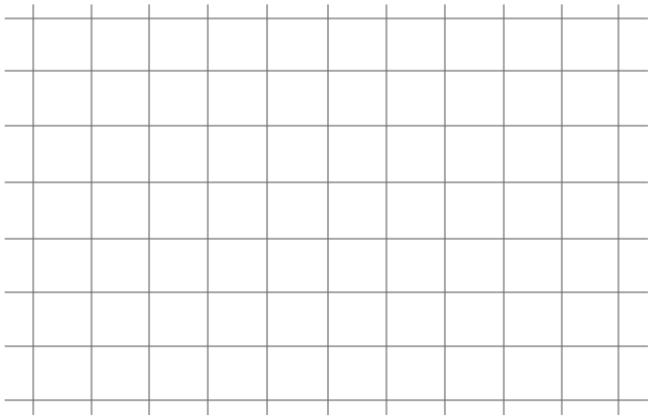
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓			✓				✓				✓				L
	Root plate			✓				✓			✓							✓	L
House	Branch	Failure		✓				✓			✓					✓			L
	Root plate			✓				✓			✓						✓		L
Cars	Branch	Failure		✓					✓		✓					✓			L
	Root plate			✓						✓		✓				✓			L
People using front yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

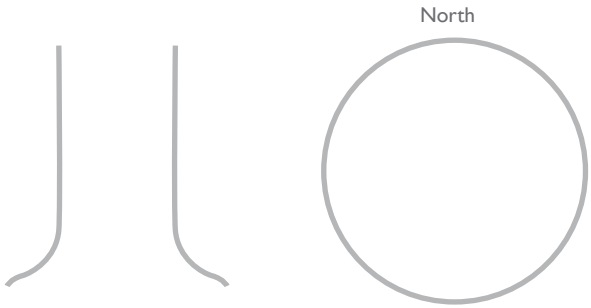
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. **Residual risk**
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:21:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797391, -37.76958349 Tree no. 5 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 69 cm Height 30 m Crown spread dia. 7 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars		✓	✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat☐ Slope☑ 10 % **Aspect** South

Site changes None☐ Grade change☑ Site clearing☑ Changed soil hydrology☐ Root cuts☑ Describe _____

Soil conditions Limited volume☐ Saturated☑ Shallow☑ Compacted☐ Pavement over roots☑ 90 % Describe Gravel road and driveway

Prevailing wind direction SW **Common weather** Strong winds☑ Ice☐ Snow☐ Heavy rain☑ Describe _____

Tree Health and Species Profile

Vigor Low☑ Normal☐ High☐ **Foliage** None (seasonal)☐ None (dead)☐ Normal 90 % Chlorotic ____ % Necrotic ____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches☑ Trunk☐ Roots☑ Describe _____

Load Factors

Wind exposure Protected☐ Partial☑ Full☐ Wind funneling☐ _____ **Relative crown size** Small☑ Medium☐ Large☐

Crown density Sparse☑ Normal☐ Dense☐ **Interior branches** Few☐ Normal☑ Dense☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown☐ LCR 25 %

Dead twigs/branches☑ 30 % overall Max. dia. 200mm

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) of concern _____

Part Size 200mm Fall Distance 30m

Load on defect N/A☐ Minor☐ Moderate☑ Significant☐

Likelihood of failure Improbable☐ Possible☐ Probable☑ Imminent☐

Cracks☐ _____ Lightning damage☐

Codominant☐ _____ Included bark☐

Weak attachments☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures☑ _____ Similar branches present☑

Dead/Missing bark☐ Cankers/Galls/Burls☐ Sapwood damage/decay☐

Conks☐ Heartwood decay☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A☐ Minor☐ Moderate☐ Significant☐

Likelihood of failure Improbable☐ Possible☐ Probable☐ Imminent☐

— Trunk —

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 ____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A☐ Minor☐ Moderate☐ Significant☐

Likelihood of failure Improbable☐ Possible☐ Probable☐ Imminent☐

— Roots and Root Collar —

Collar buried/Not visible☑ Depth 200mm (north) Stem girdling☐

Dead☐ Decay☐ Conks/Mushrooms☐

Ooze☐ Cavity☐ ____ % circ.

Cracks☐ Cut/Damaged roots☑ Distance from trunk in SRZ

Root plate lifting☐ Soil weakness☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size whole tree Fall Distance 30m

Load on defect N/A☐ Minor☐ Moderate☐ Significant☑

Likelihood of failure Improbable☐ Possible☑ Probable☐ Imminent☐

Risk Categorization

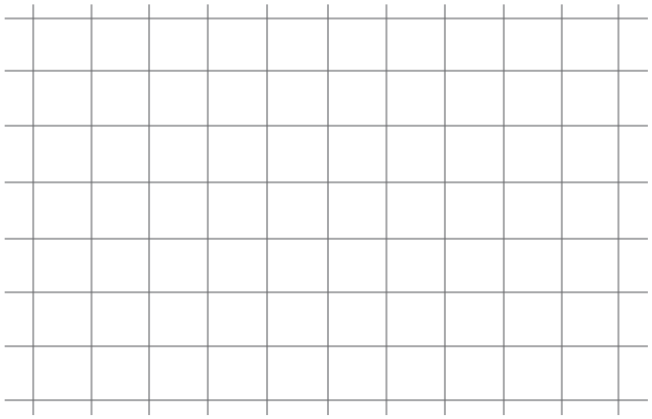
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓				✓				L
	Root plate				✓			✓			✓							✓	L
House	Branch	Failure			✓		✓				✓					✓			L
	Root plate				✓				✓			✓					✓		M
Cars	Branch	Failure			✓				✓			✓				✓			L
	Root plate				✓				✓			✓				✓			L
People using front yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate				✓			✓			✓							✓	L

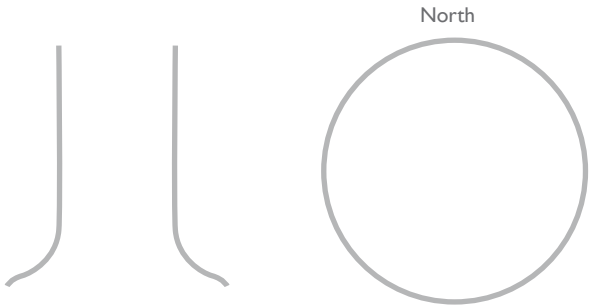
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** Moderate
2. Tree removal — **Residual risk** None
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 ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:27:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797402, -37.76958443 Tree no. 6 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 34 cm Height 10 m Crown spread dia. 10 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	Cars		✓	✓	✓	3	N	N
2	People using yard		✓	✓	✓	2	N	N
3								
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 70 % Describe Gravel road and driveway

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic ____ % Necrotic ____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 25 %

Dead twigs/branches ☑ 5 % overall Max. dia. 50mm

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) of concern _____

Part Size 150mm dia. Fall Distance 10m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 5 ° Corrected? No - phototropic lean

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ ____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 10m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

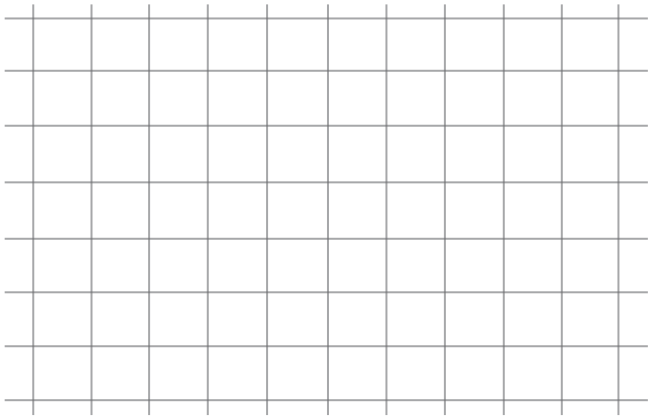
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
Cars	Branch	Failure		✓				✓			✓					✓			L
	Root plate			✓				✓			✓					✓			L
People using front yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

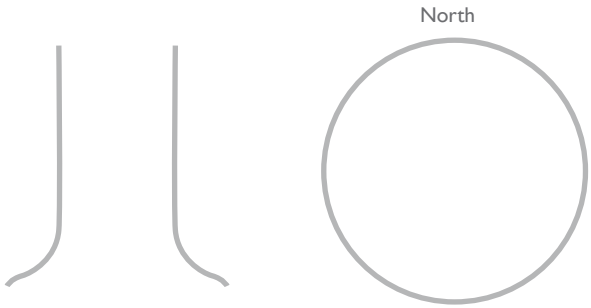
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☐ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:35:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3797064, -37.76950706 Tree no. 7 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 71 cm Height 30 m Crown spread dia. 12 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars		✓	✓	✓	2	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 30 % Describe Gravel driveway and road

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 50 %

Dead twigs/branches ☑ 10 % overall Max. dia. 200mm

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) of concern _____

Part Size 200mm Fall Distance 30m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____ ° Corrected? _____

Response growth wound wood has formed around column of decay

Condition(s) of concern _____

Part Size _____ Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Risk Categorization

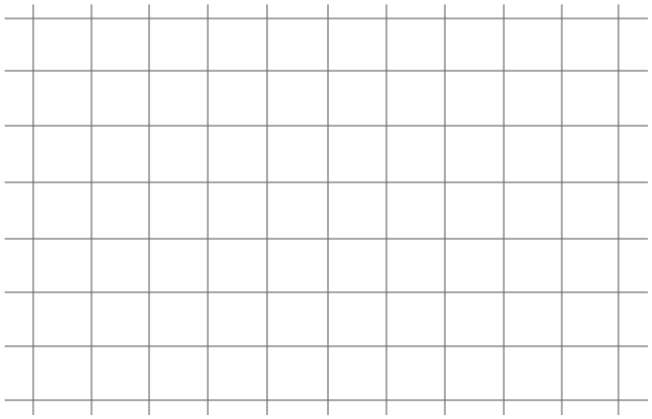
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓				✓				L
	Root plate				✓			✓			✓							✓	L
House	Branch	Failure			✓		✓				✓					✓			L
	Root plate				✓				✓			✓					✓		M
Cars	Branch	Failure			✓			✓			✓					✓			L
	Root plate				✓				✓			✓				✓			L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate				✓			✓			✓							✓	L

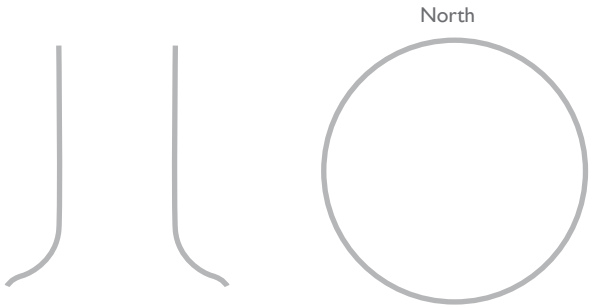
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** Moderate
2. Tree removal — **Residual risk** None
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:52:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3796618, -37.76959311 Tree no. 8 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 66 cm Height 30 m Crown spread dia. 14 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	Cars		✓	✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☑ Pavement over roots ☑ 50 % Describe Conc. pad & gravel driveway

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 30 %

Dead twigs/branches ☑ 10 % overall Max. dia. 100 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 200 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 5 ° Corrected? Yes

Response growth Yes, above buttress root

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

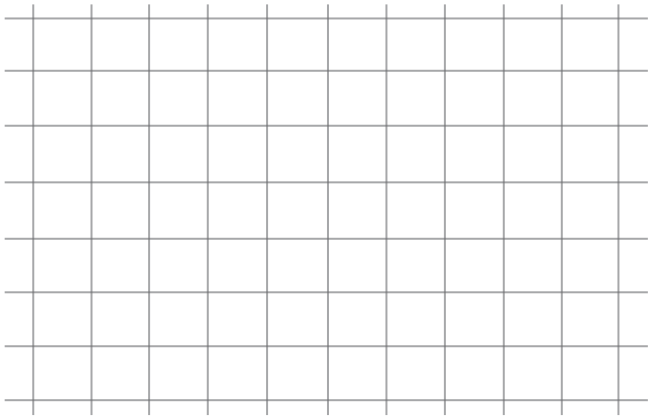
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓			✓				✓				✓				L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure		✓			✓				✓					✓			L
	Root plate			✓					✓		✓						✓		L
Cars	Branch	Failure		✓						✓		✓				✓			L
	Root plate			✓					✓			✓				✓			L
People using front yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

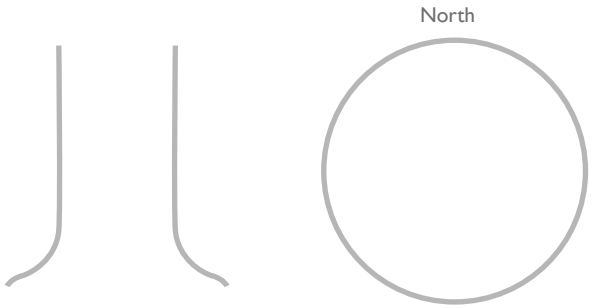
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 2:59:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3796545, -37.76959519 Tree no. 9 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 28 cm Height 8 m Crown spread dia. 3 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars			✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☑ 5 % Describe Conc. pad

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 30 %

Dead twigs/branches ☑ 30 % overall Max. dia. 100 mm

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) of concern _____

Part Size 100 mm dia. Fall Distance 8 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____ ° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 8 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

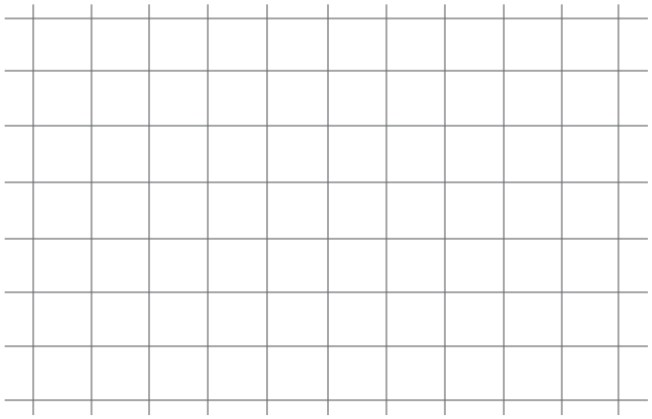
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure	✓				✓				✓				✓				L
	Root plate		✓				✓				✓				✓				L
House	Branch	Failure	✓				✓				✓				✓				L
	Root plate		✓				✓				✓					✓			L
Cars	Branch	Failure	✓					✓			✓					✓			L
	Root plate		✓						✓		✓					✓			L
People using front yard	Branch	Failure	✓					✓			✓						✓		L
	Root plate		✓					✓			✓							✓	L

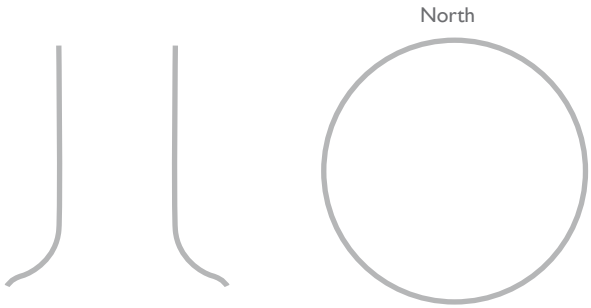
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. **Residual risk**
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 3:29:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.379579, -37.76956336 Tree no. 10 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 38 cm Height 16 m Crown spread dia. 5 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars	Other trees			✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 25 %

Dead twigs/branches ☑ 30 % overall Max. dia. 100 mm

Broken/Hangers Number 1 Max. dia. 100 mm

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 100 mm dia. Fall Distance 14 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☑

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 16 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

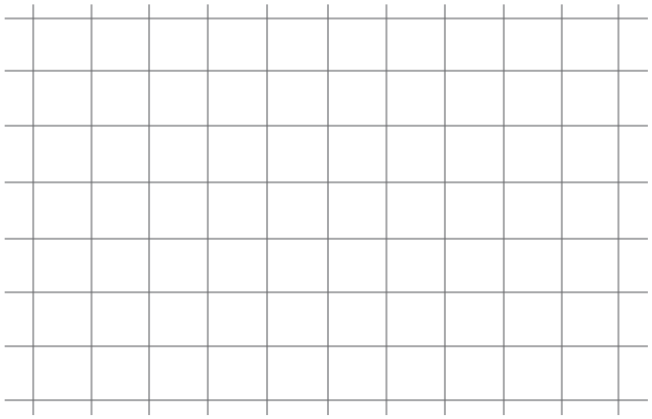
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure				✓	✓				✓				✓				L
	Root plate			✓			✓				✓							✓	L
House	Branch	Failure				✓	✓				✓					✓			L
	Root plate			✓				✓			✓						✓		L
Cars	Branch	Failure				✓	✓				✓					✓			L
	Root plate			✓				✓			✓					✓			L
People using yard	Branch	Failure				✓		✓				✓					✓		M
	Root plate			✓				✓			✓							✓	L

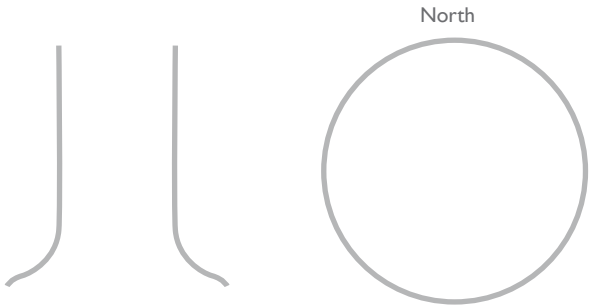
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. Remove broken/hanging branch — **Residual risk** Low
2. Periodic re-inspection — **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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client: Yarra Ranges Council | Date: 1/09/2022 | Time: 3:36:00 PM

Address/Tree location: 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795712, -37.76956079 | Tree no. 11 | Sheet _____ of _____

Tree species: Eucalyptus obliqua | dbh: 25 cm | Height: 8 m | Crown spread dia.: 0 m

Assessor(s): Nicholas Magree | Tools used: DBH tape, soil probe | **Time frame:** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People using yard		✓	✓	✓	2		N
2								
3								
4								

Site Factors

History of failures Yes | **Topography** Flat ☐ Slope ☑ 10 % | **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW | **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ | **Foliage** None (seasonal) ☐ None (dead) ☑ Normal _____% Chlorotic _____% Necrotic _____%

Pests/Biotic _____ | **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ | **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ | **Interior branches** Few ☑ Normal ☐ Dense ☐ | **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 0 %

Dead twigs/branches ☑ 100 % overall Max. dia. 150mm

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) of concern _____

Part Size 150mm | Fall Distance 8 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ | Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ | Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree | Fall Distance 8 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Risk Categorization

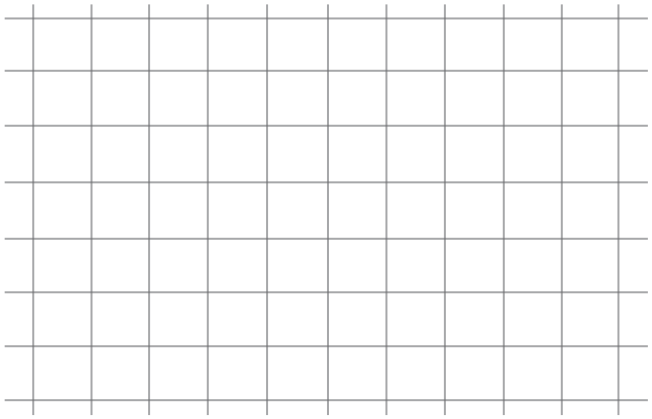
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People using front yard	Branch	Failure			✓			✓			✓						✓		L
	Root plate				✓			✓			✓							✓	L

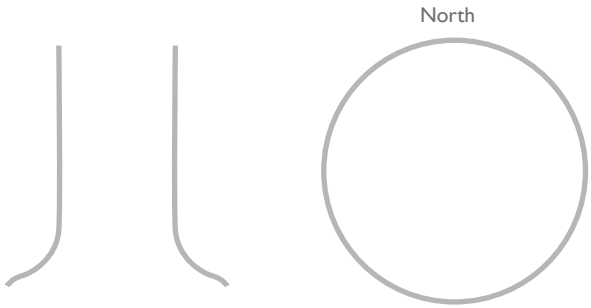
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	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	Consequences of Failure			
	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. Tree removal _____ **Residual risk** None

2. _____ **Residual risk** _____

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 ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 3:39:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795934, -37.76961367 Tree no. 12 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 90 cm Height 30 m Crown spread dia. 12 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars			✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe Retaining wall

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 30 %

Dead twigs/branches ☑ 25 % overall Max. dia. 200 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 200 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth Yes, response growth at stem union

Condition(s) of concern Stem union failure

Part Size 400 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☑ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk In TPZ

Root plate lifting ☐ Soil weakness ☑

Response growth Yes, wound wood on large surface root

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

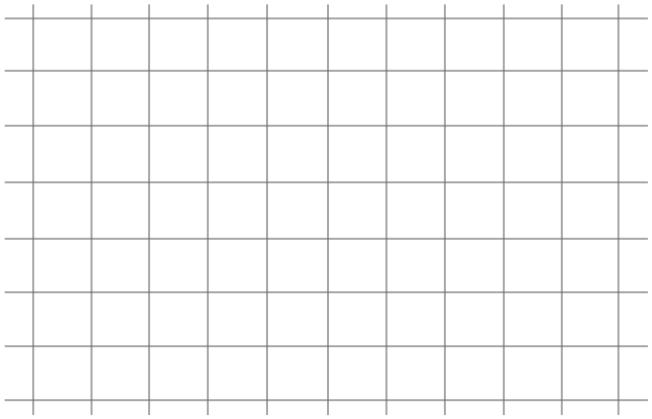
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓					✓			L
	Stem union			✓				✓			✓							✓	L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure			✓			✓			✓					✓			L
	Stem union			✓					✓		✓						✓		L
	Root plate			✓						✓		✓					✓		M
Cars	Branch	Failure			✓		✓				✓					✓			L
	Stem union			✓				✓			✓					✓			L
	Root plate			✓					✓		✓					✓			L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Stem union			✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

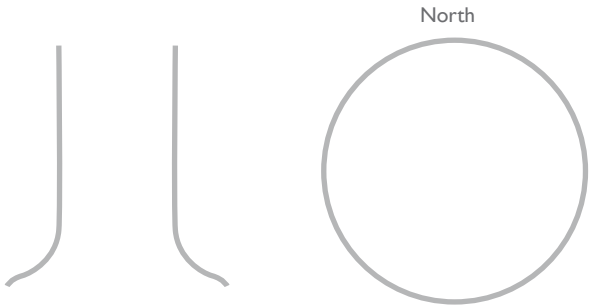
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** Moderate
2. Tree removal — **Residual risk** None
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 1/09/2022 Time 3:47:00 PM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795893, -37.76961964 Tree no. 13 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 44 cm Height 20 m Crown spread dia. 8 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House	✓	✓	✓	3	N	N
2	House		✓	✓	✓	4	N	N
3	Cars			✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe Retaining wall

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 50 %

Dead twigs/branches ☑ 5 % overall Max. dia. 50 mm

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) of concern _____

Part Size 150 mm dia. Fall Distance 20 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? No - phototropic

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☑ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 20 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Risk Categorization

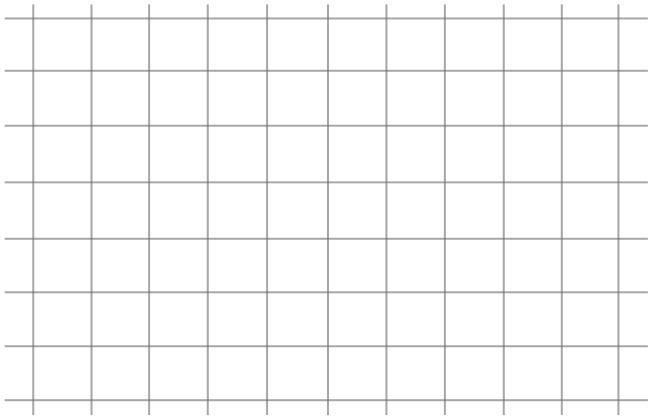
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓				✓			✓					✓			L
	Root plate				✓				✓			✓						✓	M
House	Branch	Failure		✓						✓		✓				✓			L
	Root plate				✓					✓			✓				✓		H
Cars	Branch	Failure		✓			✓				✓					✓			L
	Root plate				✓			✓			✓					✓			L
People using yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate				✓			✓			✓							✓	L

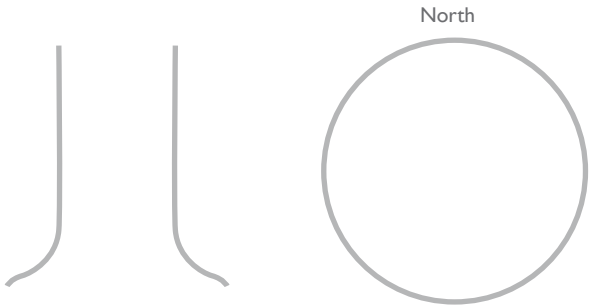
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** High
2. Tree removal — **Residual risk** None
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 8:51:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3794819, -37.7695566 Tree no. 14 Sheet _____ of _____

Tree species Eucalyptus goniocalyx dbh 39 cm Height 15 m Crown spread dia. 13 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House			✓	3	N	N
2	House	Other trees			✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 70 %

Dead twigs/branches ☑ 10 % overall Max. dia. 50 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

_____ Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? No - phototropic

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 15 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

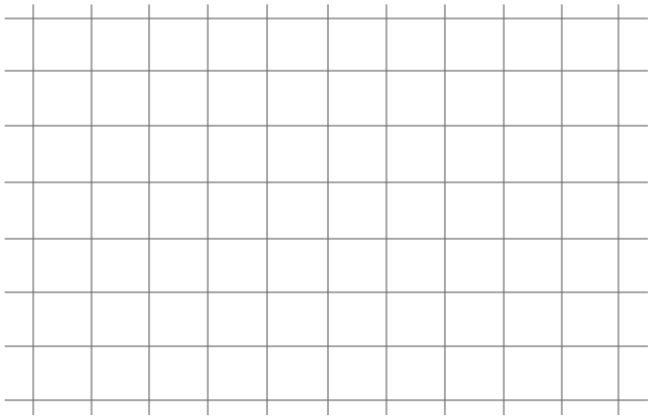
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Root plate	Failure		✓			✓				✓					✓			L
House	Root plate	Failure		✓			✓				✓					✓			L
People using yard	Root plate	Failure		✓				✓			✓							✓	L

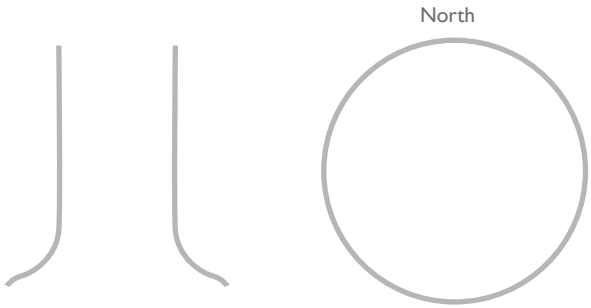
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 8:57:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3794928, -37.76957067 Tree no. 15 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 42 cm Height 15 m Crown spread dia. 7m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House			✓	3	N	N
2	House	Other trees			✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4							N	N

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 30 %

Dead twigs/branches ☑ 10 % overall Max. dia. 100 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

_____ Condition(s) of concern _____

Part Size 100 mm dia. Fall Distance _____

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth_____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 15 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

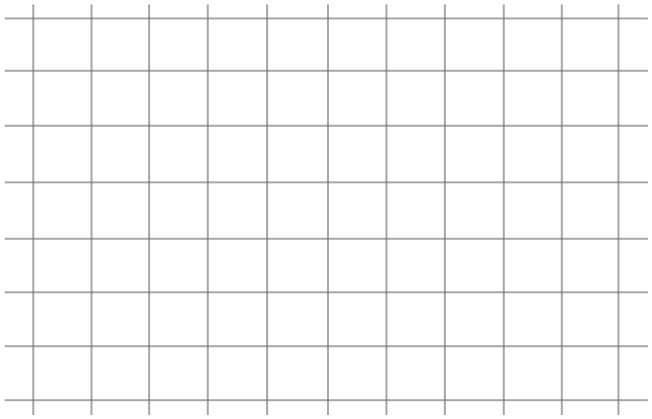
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓				✓				L
	Root plate			✓				✓											
House	Branch	Failure			✓		✓				✓				✓				L
	Root plate			✓						✓		✓				✓			L
People using yard	Branch	Failure			✓			✓			✓						✓		L
	Root plate			✓				✓			✓							✓	L

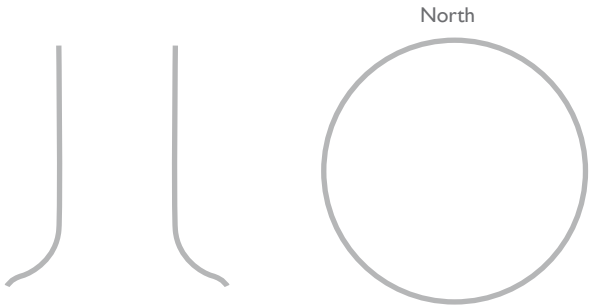
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 9:04:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795095 -37.76965717 Tree no. 16 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 84 cm Height 30 m Crown spread dia. 10 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☑ <10 % Describe Concrete slab in SRZ

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 50 %

Dead twigs/branches ☑ 5 % overall Max. dia. 150 mm

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) of concern _____

Part Size 150 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? No

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

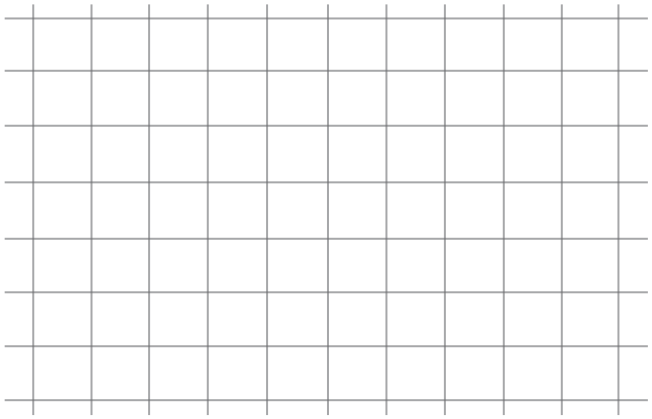
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓						✓		L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure			✓			✓			✓					✓			L
	Root plate			✓					✓		✓						✓		L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

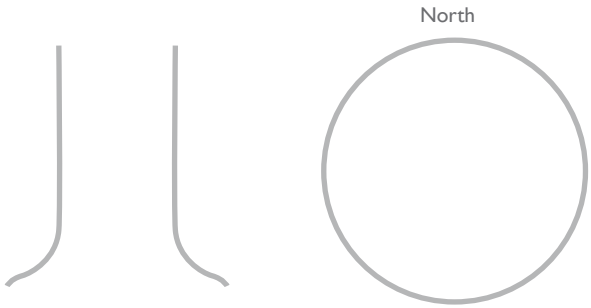
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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

Data ☐ Final ☑ Preliminary **Advanced assessment needed** ☐ No ☑ Yes-Type/Reason Aerial inspection of crown to check for weak branch attachments

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 9:15:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3794601, -37.76967431 Tree no. 17 Sheet _____ of _____

Tree species Eucalyptus goniocalyx dbh 70 cm Height 25 m Crown spread dia. 8 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House	✓	✓	✓	3	N	N
2	House		✓	✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☑ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☑ <10 % Describe Concrete slab in SRZ

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____ % Necrotic _____ %

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— 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

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure Condition(s) of concern _____

Part Size 150 mm dia. Fall Distance 25 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____ % circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 2 ° Corrected? No

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____ % circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 25 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

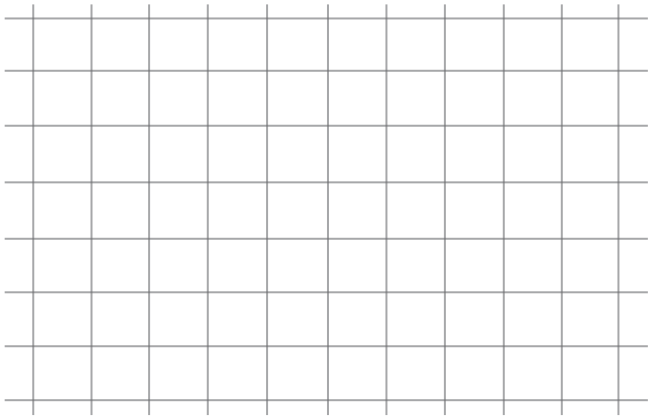
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓						✓		L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure			✓				✓			✓				✓			L
	Root plate			✓					✓		✓						✓		L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

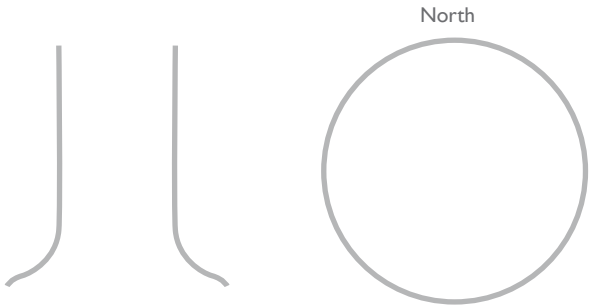
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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

Data ☐ Final ☑ Preliminary **Advanced assessment needed** ☐ No ☑ Yes-Type/Reason Aerial inspection of crown to check for weak branch attachments

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 9:42:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3794097, -37.76969874 Tree no. 18 Sheet _____ of _____

Tree species Eucalyptus goniocalyx dbh 45 cm Height 15 m Crown spread dia. 7 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House	✓	✓	✓	3	N	N
2	House		✓	✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☑ Describe Stump holes dug in SRZ

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 50 %

Dead twigs/branches ☑ 10 % overall Max. dia. 100 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☑ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 200 mm dia. Fall Distance 15 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☑ Cankers/Galls/Burls ☐ Sapwood damage/decay ☑

Conks ☐ Heartwood decay ☐ _____

Response growth Some callous formation around sapwood damage

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 10 ° Corrected? No

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 15 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Risk Categorization

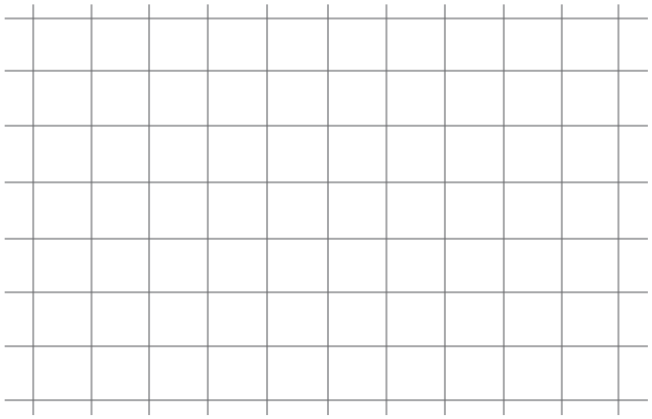
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓				✓			✓					✓		M
	Root plate				✓				✓			✓						✓	M
House	Branch	Failure			✓					✓			✓			✓			M
	Root plate				✓					✓			✓				✓		H
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate				✓			✓			✓							✓	L

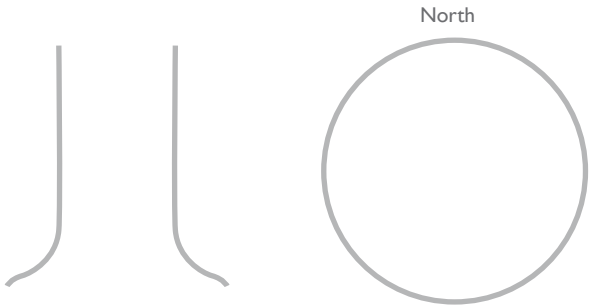
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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** High
2. Tree removal — **Residual risk** None
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 9:49:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.379404, -37.76970191 Tree no. 19 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 77 cm Height 30 m Crown spread dia. 13 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☑ Describe Stump holes dug in SRZ

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 30 %

Dead twigs/branches ☑ 15 % overall Max. dia. 150 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☑

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 150 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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? No

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in SRZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

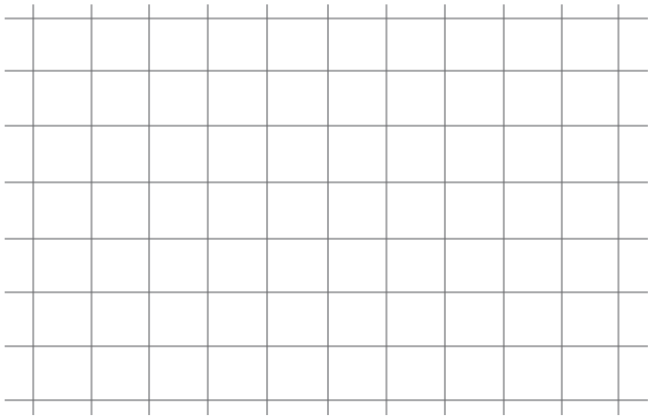
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓			✓			✓					✓			L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure			✓				✓			✓				✓			L
	Root plate			✓					✓		✓						✓		L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

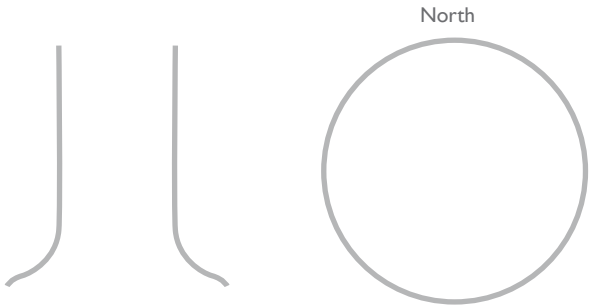
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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 ☑ Yes-Type/Reason Aerial inspection of crown to check for weak branch attachments

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 9:54:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3793985, -37.76970577 Tree no. 20 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 37 cm Height 15 m Crown spread dia. 10 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House			✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☑ Describe Stump holes dug in TPZ

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☑ LCR 30 %

Dead twigs/branches ☑ 15 % overall Max. dia. 100 mm

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) of concern _____

Part Size 100 mm dia. Fall Distance 15 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☑ Distance from trunk in TPZ

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 15 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

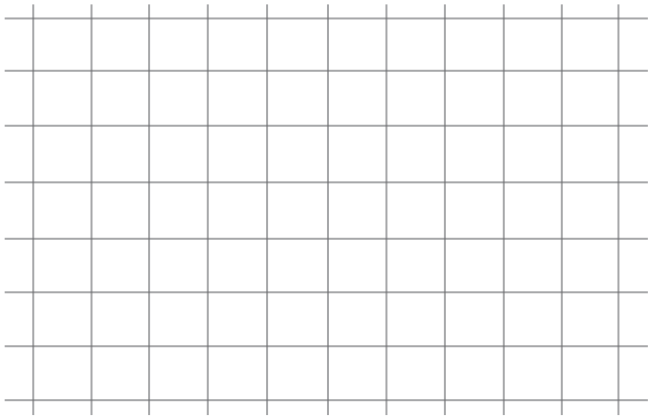
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓				✓			✓					✓			L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure		✓				✓			✓					✓			L
	Root plate			✓					✓		✓						✓		L
People using yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

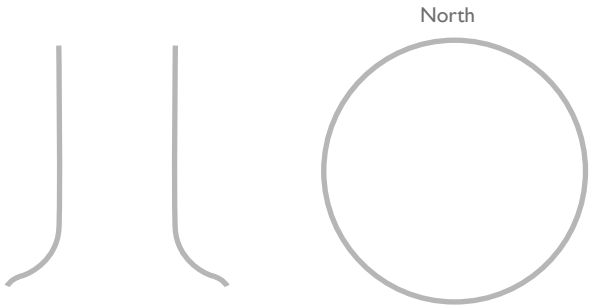
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 10:01:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.37936, -37.76969555 Tree no. 21 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 45 cm Height 20 m Crown spread dia. 6 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	People using yard	Other trees	✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 50 %

Dead twigs/branches ☑ 5 % overall Max. dia. 100 mm

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) of concern _____

Part Size 100 mm dia. Fall Distance 20 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 5 ° Corrected? No - phototropic lean

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 20 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

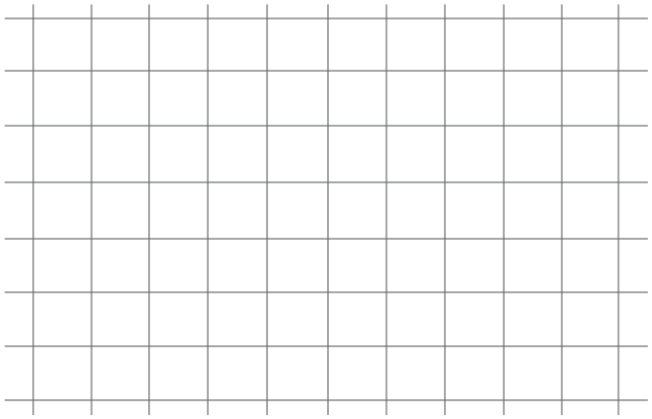
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure		✓			✓				✓					✓			L
	Root plate			✓				✓			✓							✓	L
House	Branch	Failure		✓			✓				✓					✓			L
	Root plate			✓				✓			✓						✓		L
People using yard	Branch	Failure		✓				✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

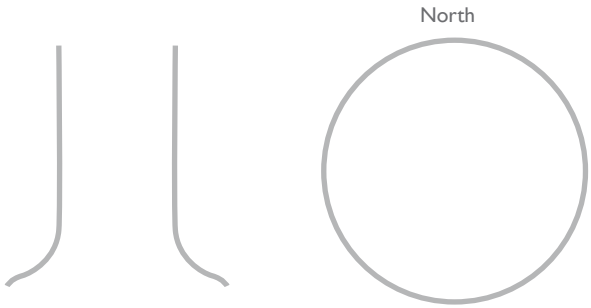
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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 ☐ High ☐ Extreme ☐

Overall residual risk None ☐ Low ☑ Moderate ☐ High ☐ Extreme ☐ **Recommended inspection interval** 2 years

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 10:08:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3793413, -37.76972934 Tree no. 22 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 60 cm Height 30 m Crown spread dia. 8 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☑ Normal ☐ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 25 %

Dead twigs/branches ☑ 20 % overall Max. dia. 150 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Branch failure

Part Size 150 mm dia. Fall Distance 30 m

Load on defect N/A ☐ Minor ☑ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☑ _____ Similar branches present ☑

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

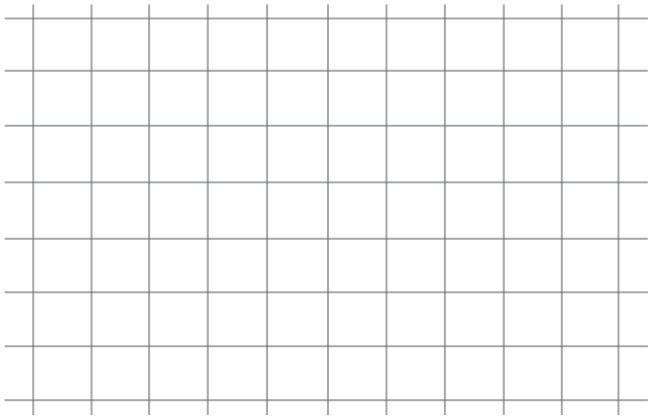
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Failure & Impact: Somewhat	Failure & Impact: Likely	Failure & Impact: Very likely	Consequences: Negligible	Consequences: Minor	Consequences: Significant	Consequences: Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓					✓			L
	Root plate			✓					✓		✓							✓	L
House	Branch	Failure			✓		✓				✓					✓			L
	Root plate			✓					✓		✓						✓		L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Root plate			✓				✓			✓							✓	L

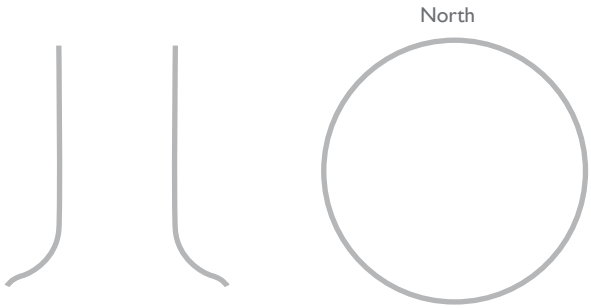
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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 ☑ Yes-Type/Reason Aerial inspection of crown to check for weak branch attachments

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 10:23:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3793791, -37.76962274 Tree no. 23 Sheet _____ of _____

Tree species Eucalyptus goniocalyx dbh 45 cm Height 18 m Crown spread dia. 8 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☐ Medium ☑ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 70 %

Dead twigs/branches ☑ 5 % overall Max. dia. 50 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

_____ Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth _____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 18 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

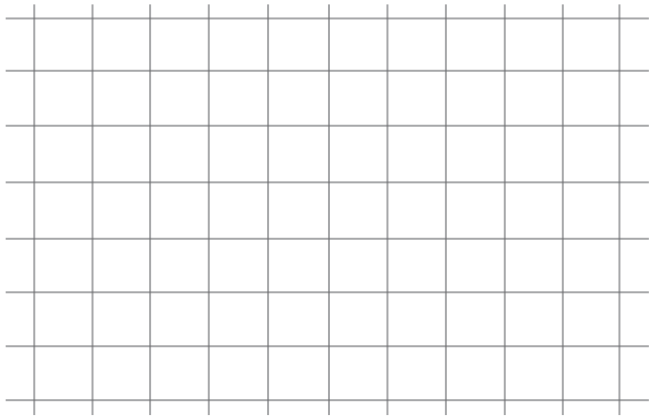
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Root plate	Failure																	
			✓				✓				✓						✓		L
House	Root plate	Failure																	
			✓					✓			✓						✓		L
People using yard	Root plate	Failure																	
			✓					✓			✓							✓	L

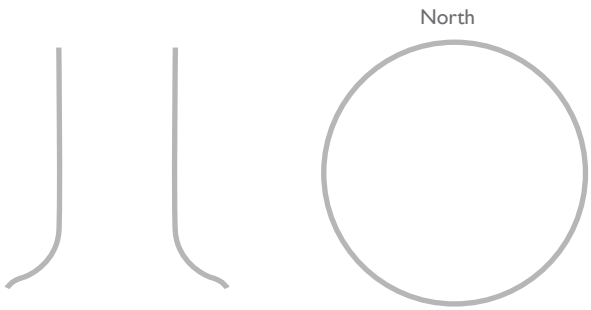
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact			
	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	Consequences of Failure			
	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. **Residual risk**
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason

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

Basic Tree Risk Assessment Form

Client Yarra Ranges Council Date 6/09/2022 Time 10:29:00 AM

Address/Tree location 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3793197, -37.76959833 Tree no. 24 Sheet _____ of _____

Tree species Eucalyptus obliqua dbh 38 cm Height 25 m Crown spread dia. 6 m

Assessor(s) Nicholas Magree Tools used DBH tape, soil probe **Time frame** 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare 2–occasional 3–frequent 4–constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	People using yard		✓	✓	✓	2	N	N
4								

Site Factors

History of failures Yes **Topography** Flat ☐ Slope ☑ 10 % **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☑ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☑ High ☐ **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ **Relative crown size** Small ☑ Medium ☐ Large ☐

Crown density Sparse ☑ Normal ☐ Dense ☐ **Interior branches** Few ☐ Normal ☑ Dense ☐ **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 40 %

Dead twigs/branches ☑ 5 % overall Max. dia. 50 mm

Broken/Hangers Number _____ Max. dia. _____

Over-extended branches ☐

Pruning history

Crown cleaned ☐ Thinned ☐ Raised ☐

Reduced ☐ Topped ☐ Lion-tailed ☐

Flush cuts ☐ Other _____

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

_____ Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth _____

Condition(s) of concern _____

Part Size _____ Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth_____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree Fall Distance 25 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

Risk Categorization

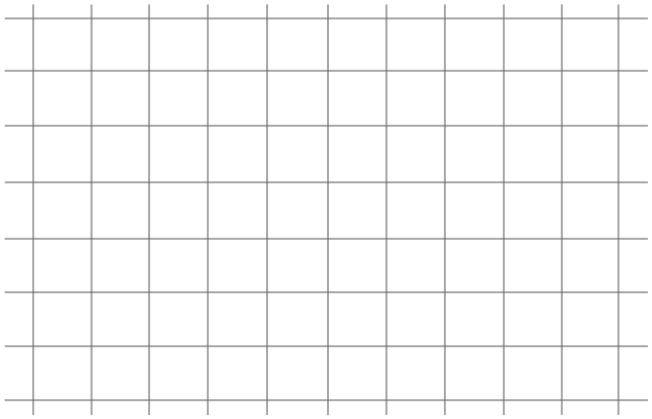
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Root plate	Failure		✓				✓			✓							✓	L
House	Root plate	Failure		✓					✓		✓						✓		L
People using yard	Root plate	Failure		✓				✓			✓							✓	L

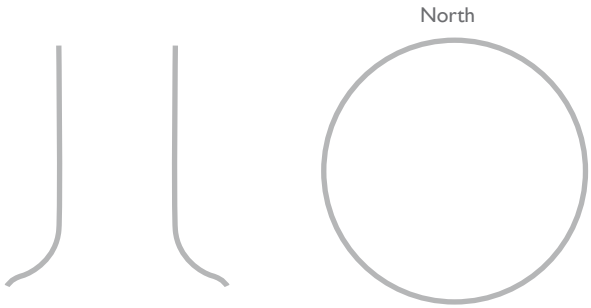
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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. _____ — **Residual risk** _____
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

Data ☑ Final ☐ Preliminary **Advanced assessment needed** ☑ No ☐ Yes-Type/Reason _____

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

Basic Tree Risk Assessment Form

Client: Yarra Ranges Council | Date: 6/09/2022 | Time: 10:44:00 AM

Address/Tree location: 134 Hereford Rd, Mount Evelyn VIC 3796 / 145.3795485, -37.76948652 | Tree no. 25 | Sheet _____ of _____

Tree species: Eucalyptus radiata | dbh: 90 cm | Height: 30 m | Crown spread dia.: 20 m

Assessor(s): Nicholas Magree | Tools used: DBH tape, soil probe | **Time frame**: 2 years

Target Assessment

Target number	Target description	Target protection	Target zone: Target within drip line	Target zone: Target within 1 x Ht.	Target zone: Target within 1.5 x Ht.	Occupancy rate (1–rare, 2 – occasional, 3 – frequent, 4 – constant)	Practical to move target?	Restriction practical?
1	People in house	House		✓	✓	3	N	N
2	House	Other trees		✓	✓	4	N	N
3	Cars	Other trees		✓	✓	3	N	N
4	People using yard		✓	✓	✓	2	N	N

Site Factors

History of failures Yes | **Topography** Flat ☐ Slope ☑ 10 % | **Aspect** South

Site changes None ☐ Grade change ☑ Site clearing ☑ Changed soil hydrology ☐ Root cuts ☐ Describe _____

Soil conditions Limited volume ☐ Saturated ☑ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____% Describe _____

Prevailing wind direction SW | **Common weather** Strong winds ☑ Ice ☐ Snow ☐ Heavy rain ☑ Describe _____

Tree Health and Species Profile

Vigor Low ☐ Normal ☐ High ☑ | **Foliage** None (seasonal) ☐ None (dead) ☐ Normal 90 % Chlorotic _____% Necrotic _____%

Pests/Biotic _____ | **Abiotic** _____

Species failure profile Branches ☑ Trunk ☐ Roots ☑ Describe _____

Load Factors

Wind exposure Protected ☐ Partial ☑ Full ☐ Wind funneling ☐ _____ | **Relative crown size** Small ☐ Medium ☐ Large ☑

Crown density Sparse ☐ Normal ☑ Dense ☐ | **Interior branches** Few ☐ Normal ☑ Dense ☐ | **Vines/Mistletoe/Moss** ☐ _____

Recent or expected change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 40 %

Dead twigs/branches ☑ <5 % overall Max. dia. 250 mm

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) of concern _____

Part Size 250 mm dia. | Fall Distance 20 m

Load on defect N/A ☐ Minor ☐ Moderate ☑ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☑ Imminent ☐

Cracks ☐ _____ Lightning damage ☐

Codominant ☐ _____ Included bark ☐

Weak attachments ☐ _____ Cavity/Nest hole ____% circ.

Previous branch failures ☐ _____ Similar branches present ☐

Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐

Conks ☐ Heartwood decay ☐ _____

Response growth _____

Condition(s) of concern _____

Part Size _____ | Fall Distance _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

— Trunk —

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 _____° Corrected? _____

Response growth Yes, response growth at stem union

Condition(s) of concern Stem union failure

Part Size 500 mm dia. | Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☐ Possible ☑ Probable ☐ Imminent ☐

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth_____ Stem girdling ☐

Dead ☐ Decay ☐ Conks/Mushrooms ☐

Ooze ☐ Cavity ☐ _____% circ.

Cracks ☐ Cut/Damaged roots ☐ Distance from trunk _____

Root plate lifting ☐ Soil weakness ☑

Response growth _____

Condition(s) of concern Root plate failure

Part Size Whole tree | Fall Distance 30 m

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☑

Likelihood of failure Improbable ☑ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

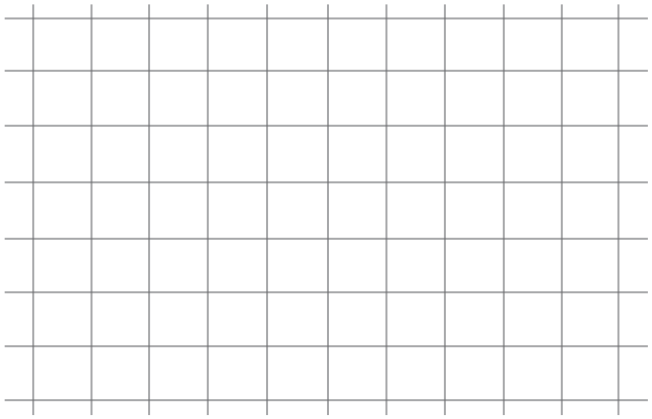
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood: Failure: Improbable	Failure: Possible	Failure: Probable	Failure: Imminent	Impact: Very low	Impact: Low	Impact: Medium	Impact: High	Failure & Impact (from Matrix 1): Unlikely	Somewhat	Likely	Very likely	Consequences: Negligible	Minor	Significant	Severe	Risk rating (from Matrix 2)
People in house	Branch	Failure			✓		✓				✓					✓			L
	Stem union			✓				✓			✓							✓	L
	Root plate		✓					✓			✓							✓	L
House	Branch	Failure			✓		✓				✓				✓				L
	Stem union			✓					✓		✓						✓		L
	Root plate		✓						✓		✓						✓		L
Cars	Branch	Failure			✓		✓				✓				✓				L
	Stem union			✓					✓		✓					✓			L
	Root plate		✓					✓			✓					✓			L
People using yard	Branch	Failure			✓			✓			✓							✓	L
	Stem union			✓				✓			✓							✓	L
	Root plate		✓					✓			✓							✓	L

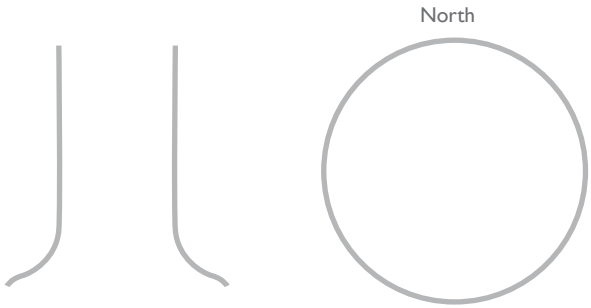
Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impact: 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	Consequences of Failure: 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

Data ☐ Final ☑ Preliminary **Advanced assessment needed** ☐ No ☑ Yes-Type/Reason Undertake tomography of the decayed stem above the stem union

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