



Basic Tree Risk Assessment Form

Client Christopher Easton Date Nov 5th 2024 Time 12pm
Address/Tree location 1457 Goldcrest Ave NW Salem Tree no. 1-4 Sheet of
Tree species Populus dbh 26"-31" Height 70'-90' Crown spread dia. 20'
Assessor(s) Tim Jones Tools used phone, Clinometer Time frame 1 year

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1 x Ht.	Target within 1.5 x Ht.			
1	<u>Home</u>	<u>None</u>		<u>X</u>		<u>4</u>	<u>No</u>	<u>No</u>
2								
3								
4								

Site Factors

History of failures yes stem's have broken out Topography Flat ☒ Slope ☐ 3 % Aspect
Site changes None ☐ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe on creek bank
Soil conditions Limited volume ☐ Saturated ☒ Shallow ☐ Compacted ☐ Pavement over roots ☐ % Describe creek bank
Prevailing wind direction N-NE 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's are Dead

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR 0 %
Dead twigs/branches ☐ % overall Max. dia.
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

Tress are Dead Condition(s) of concern Trees are dead

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 Trees are dead

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 Trees are dead

Part Size Fall Distance

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

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

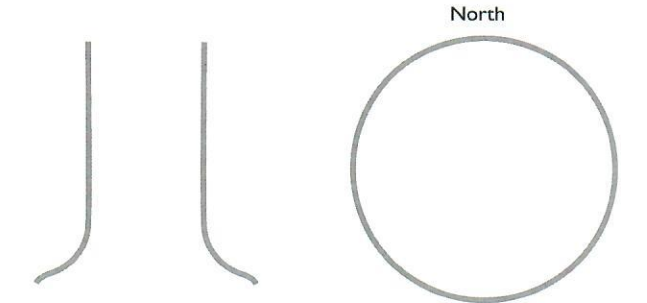
Risk Categorization																		
Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood											Consequences				Risk rating (from Matrix 2)
			Failure				Impact				Failure & Impact (from Matrix 1)							
			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	
Home	Whole Stems	Trees are Dead			X			X			X						X	Mod

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

All 4 Trees are Dead

Mitigation options

- Remove Residual risk None
- Residual risk
- Residual risk
- 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