

ISA Basic Tree Risk Assessment Form

Client Ryan & Amy Kintz Date 10/31/2024 Time 10/31/23 1pm
 Address/Tree location 2615 E Nob Hill St SE Tree no. _____ Sheet _____ of _____
 Tree species Oregon white oak dbh 32" Height 45' Crown spread dia. 40'
 Assessor(s) Tim Jones Tools used Phone, Clinometer, Tape Time frame _____

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 1x Ht.	Target within 1.5x Ht.			
1	<u>Vehicles</u>	<u>None</u>	<u>X</u>			<u>2</u>	<u>N</u>	<u>N</u>
2	<u>Utility Wires</u>	<u>None</u>	<u>X</u>			<u>4</u>	<u>N</u>	<u>N</u>
3								
4								

Site Factors

History of failures _____ Topography Flat ☐ Slope ☐ _____ % Aspect _____
 Site changes None ☐ Grade change ☐ Site clearing ☒ Changed soil hydrology ☐ Root cuts ☐ Describe Adjacent Dominant tree removal
 Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ _____ % Describe _____
 Prevailing wind direction NE Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☒ Describe Valley Winter conditions

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 Prone to sudden limb drop

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 ☒ Ivy around root collar
 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 ☒ 5-10% overall Max. dia. 4"
 Broken/Hangers Number 2 Max. dia. 2"
 Over-extended branches ☒
 Pruning history
 Crown cleaned ☐ Thinned ☐ Raised ☐
 Reduced ☐ Topped ☐ Lion-tailed ☐
 Flush cuts ☐ Other Utility Clearance
Pruned improper by utilities Condition(s) of concern _____
Over extend limb, unbalanced
 Part Size 12" Fall Distance 25'
 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 _____
 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 Buried collar
 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	Severe	
 Utility wire	Over extended limbs and by stems	The tree is severely 1 sided Newly exposed to weather events		X					X	X							X	Mod	
	Whole Tree	Buried root collar		X					X	X							X	Mod	
Utility wire																			

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

Sever lean from phototropism over it's whole life. No dominate tree protection from elements is gone. multiple utility wire under the tree. Buried root collar may cause rot.

Mitigation options

1. Removal & stump grind

2. 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