

# ISA Basic Tree Risk Assessment Form

Client Adam Baldovinos Date 2/18/25 Time 1:02pm  
 Address/Tree location 37035 Se oison St Sandy or 97055 Tree no. #302 Sheet 1 of 2  
 Tree species Big leaf Maple dbh 5.5" Height 80 ft Crown spread dia. 35 feet  
 Assessor(s) Alfredo Uamas Tools used mallet/visual Time frame 2 years

## 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	House	None	✓	✓	✓	4	no	no
2	Deck	None	✓	✓	✓	4	no	no
3	fence	None	✓	✓	✓	4	no	no
4	people	House	✓	✓	✓	2	yes	yes

## Site Factors

History of failures limb failure on Douglas fir/removal Topography Flat  Slope  40 % Aspect N  
 Site changes None  Grade change  Site clearing  Changed soil hydrology  Root cuts  Describe Tree removal  
 Soil conditions Limited volume  Saturated  Shallow  Compacted  Pavement over roots  % Describe uneven soil  
 Prevailing wind direction W 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 N/A Abiotic N/A  
 Species failure profile Branches  Trunk  Roots  Describe Weak Attachments

## 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 Broken Tops

## Tree Defects and Conditions Affecting the Likelihood of Failure

### — Crown and Branches —

Unbalanced crown  LCR 85 %  
 Dead twigs/branches  % overall Max. dia. 4 inch  
 Broken/Hangers Number 3 Max. dia. 2 inch  
 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 Average  
 Condition(s) of concern Broken tops / cavity in trunk/union Hangers in canopy  
 Part Size 20 inches Fall Distance 40 feet Part Size 4 inch Fall Distance 40 feet  
 Load on defect N/A  Minor  Moderate  Significant  Load on defect N/A  Minor  Moderate  Significant   
 Likelihood of failure Improbable  Possible  Probable  Imminent  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 N/A % circ. Depth \_\_\_\_\_ Poor taper   
 Lean 5 ° Corrected? NO  
 Response growth Average  
 Condition(s) of concern cavity filled with water  
 Part Size 20 inches Fall Distance 40 feet  
 Load on defect N/A  Minor  Moderate  Significant   
 Likelihood of failure Improbable  Possible  Probable  Imminent

### — Roots and Root Collar —

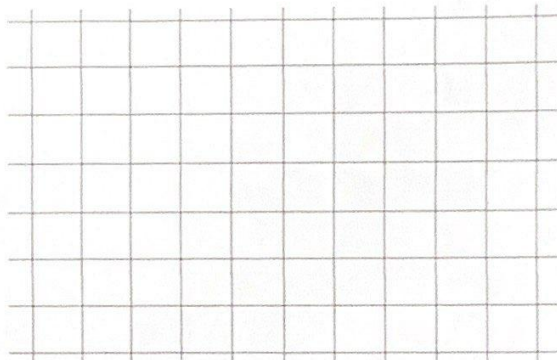
Collar buried/Not visible  Depth \_\_\_\_\_ Stem girdling   
 Dead  Decay  Conks/Mushrooms   
 Ooze  Cavity  % circ.  
 Cracks  Cut/Damaged roots  Distance from trunk \_\_\_\_\_  
 Root plate lifting  Soil weakness   
 Response growth N/A  
 Condition(s) of concern no root collar  
 Part Size 5.5 inch Fall Distance 80 feet  
 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)			Negligible	Minor	Significant		Severe		
			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely						Very likely	
people house deck	Crown	limb failure / Trunk failure			✓					✓		✓							✓	mod
					✓					✓			✓						✓	High
					✓					✓				✓						✓
people house deck	whole tree	Whole tree Failure/due to high winds	✓							✓		✓							✓	mod
			✓							✓			✓						✓	mod
			✓							✓				✓						✓

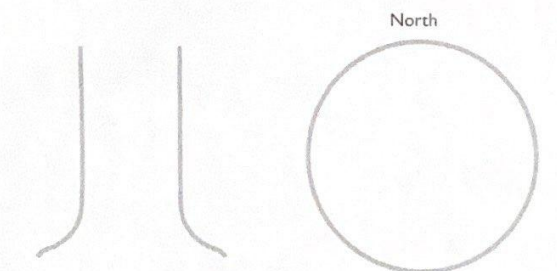
Matrix 1. Likelihood matrix.

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  
 Client has a low risk tolerance and wants the tree removed. See tree risk assessment report.

Mitigation options

1. 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 \_\_\_\_\_