



# Basic Tree Risk Assessment Form

Client \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
Address/Tree location \_\_\_\_\_ Tree no. \_\_\_\_\_ Sheet \_\_\_\_\_ of \_\_\_\_\_  
Tree species \_\_\_\_\_ dbh \_\_\_\_\_ Height \_\_\_\_\_ Crown spread dia. \_\_\_\_\_  
Assessor(s) \_\_\_\_\_ Tools used \_\_\_\_\_ 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 1 x Ht.	Target within 1.5 x Ht.			
1								
2								
3								
4								

## Site Factors

History of failures \_\_\_\_\_ Topography Flat ☐ Slope ☐ \_\_\_\_\_ % Aspect \_\_\_\_\_  
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 \_\_\_\_\_ 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 \_\_\_\_\_ %  
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 \_\_\_\_\_

\_\_\_\_\_ 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 \_\_\_\_\_

Part Size \_\_\_\_\_ Fall Distance \_\_\_\_\_

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

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

[illegible]

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

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

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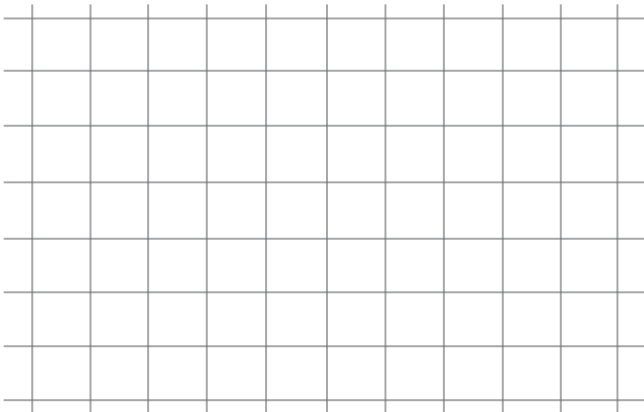
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1.		Residual risk
2.		Residual risk
3.		Residual risk
4.		Residual risk

**Overall residual risk**    None ☐    Low ☐    Moderate ☐    High ☐    Extreme ☐    **Recommended inspection interval** \_\_\_\_\_

**Inspection limitations** ☐None ☐Visibility ☐Access ☐Vines ☐Root collar buried Describe \_\_\_\_\_



North

