



# 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
<b>Imminent</b>	Unlikely	Somewhat likely	Likely	Very likely
<b>Probable</b>	Unlikely	Unlikely	Somewhat likely	Likely
<b>Possible</b>	Unlikely	Unlikely	Unlikely	Somewhat likely
<b>Improbable</b>	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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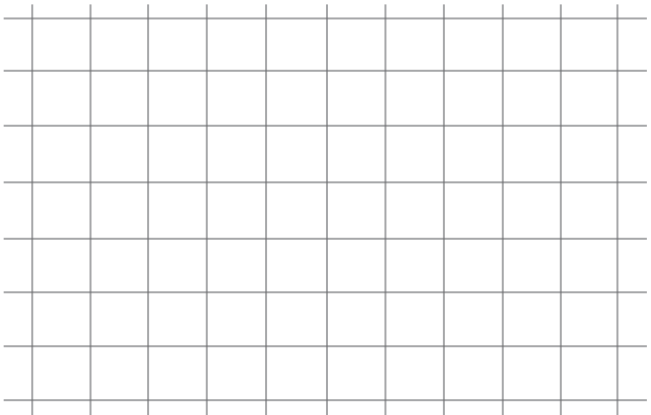
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1.		Residual risk
2.		Residual risk
3.		Residual risk
4.		Residual risk

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

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



North

