



Basic Tree Risk Assessment Form

Assessor _____

Client _____ Date _____

Address/Tree Location _____ Tools _____

Tree Species _____ Tree # _____ DBH _____ Height _____ Time Frame _____ years/months

Target #	Target Description Be specific, only one target per line.	Target Zone Check one box per target.				Occupancy Rate during time frame:			
		Drip line	1 X Ht	1.5 X Ht	>1.5 X Ht	Rare	Occasional	Frequent	Constant
1	First priority target (e.g., people near the tree)								
2	Second priority (e.g., people, structures, vehicles)								
3	Third priority (e.g., structures, vehicles)								

Site Conditions

Concerns: _____ ☐ None

Site changes: ☐ None ☐ Grade change ☐ Site clearing ☐ Changed hydrology ☐ Other _____

Crown

Foliage: ☐ None (dead) ☐ None (seasonal) Normal _____% Chlorotic _____% Necrotic _____%

Tree Health: ☐ Dead ☐ Poor ☐ Fair ☐ Good

Health concerns: _____ ☐ None

Density: ☐ Sparse ☐ Average ☐ Dense ☐ Vines/mistletoe/moss _____

Relative size crown/trunk: ☐ Small ☐ Medium ☐ Large ☐ Unbalanced ☐ Crown dieback ☐ Excessive end weight

Wind Exposure: ☐ Protected ☐ Partial ☐ Full ☐ Wind funneling Load concerns/recent changes _____

Pruning: ☐ Topped ☐ Thinned ☐ Lion tailed ☐ Raised ☐ Other _____ Live crown ratio (LCR) _____%

Branches

- ☐ No concerns ☐ Dead branches _____% overall Max. dia. _____
- ☐ Broken/hanging # _____ Max. dia. _____ ☐ Overextended
- ☐ Poor taper ☐ Weak attachments _____
- ☐ Previous branch failures _____ ☐ Similar branches present
- ☐ Structural support _____ ☐ Excessive sprouts ☐ Cracks
- ☐ Sapwood/heartwood decay ☐ Conks/mushrooms _____
- ☐ Cavity opening _____ ☐ Response growth _____

Main Branch and Crown Failure Types:

Failure Type 1:

Part size _____ Fall distance _____ Load: ☐ Low ☐ Med ☐ High

Likelihood of Failure: ☐ Improbable ☐ Possible ☐ Probable ☐ Imminent

Target# _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Target# _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Failure Type 2:

Part size _____ Fall distance _____ Load: ☐ Low ☐ Med ☐ High

Likelihood of Failure: ☐ Improbable ☐ Possible ☐ Probable ☐ Imminent

Target# _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Target# _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Trunk

- ☐ No concerns ☐ Codominant stems # _____ ☐ Included bark
- ☐ Decay ☐ Conks/mushrooms _____ ☐ Cavity opening _____
- ☐ Decay depth _____ ☐ Poor taper ☐ Lean _____° ☐ Corrected
- ☐ Dead/missing bark ☐ Cracks ☐ Ooze ☐ Lightning damage
- Other _____ Response growth _____

Main Trunk Failure Type:

Likelihood of Failure: ☐ Improbable ☐ Possible ☐ Probable ☐ Imminent

Target # _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Target # _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Root Collar, Roots, and Soil

- ☐ No concerns ☐ Collar buried/not visible Depth _____
- ☐ Stem girdling _____ ☐ Fill soil _____
- ☐ Significant root damage or decay ☐ Conks/mushrooms _____
- ☐ Cut, distance from trunk _____ ☐ Root plate lifted _____

Soil: ☐ Often saturated ☐ Limited volume ☐ Pavement/Compaction

Response growth _____

Main Root / Soil Failure Type:

Likelihood of Failure: ☐ Improbable ☐ Possible ☐ Probable ☐ Imminent

Target # _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Target # _____ Protection _____

Likelihood of Impact: ☐ Very Low ☐ Low ☐ Medium ☐ High

Consequences: ☐ Negligible ☐ Minor ☐ Significant ☐ Severe

Risk Categorization and Analysis

Tree Part Branches, Trunk, Root Collar, Roots, or Soil	Failure Type Dead, Hanging, Decay, Crack, etc.	Target Description or Number	Likelihood of Failure				Likelihood of Impact				Failure and Impact from Matrix 1				Consequences				Risk Rating from Matrix 2
			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	

Overall tree risk rating: ☐ Low ☐ Moderate ☐ High ☐ Extreme

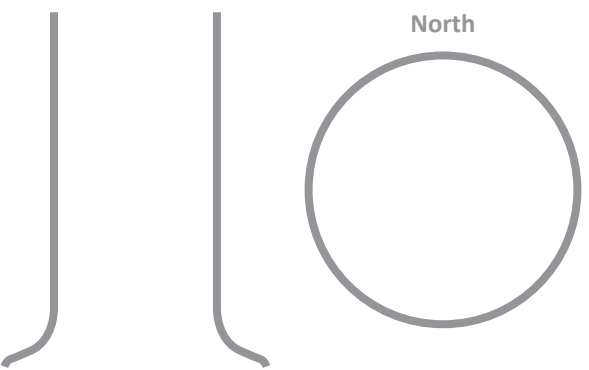
Matrix 1. Likelihood matrix

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 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



Option	Mitigation More than one failure type/target can be mitigated on each line.	Residual Risk of the tree
1	Mitigation option for highest risk(s)	
2		
3		

Inspection limitations: ☐ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe: _____
 Data: ☐ Final ☐ Preliminary — Advanced Assessment recommended Type/reason: _____