

Integrated Tree, Site, & Target Risk Assessment Guide

Assessor: _____ Qualification/Certification #: _____

Date: _____ Work Order / Job #: _____

Site Address: _____

Time Frame and Scope: _____

TREE DETAILS

Species: _____ DSH & Height: _____ Width & Lean: _____

TREE RISK ASSESSMENT WITH SITE AND TARGET CONSIDERATIONS

Rate the severity of defects in the four areas of the tree as indicated to the right, consider the following in each area. R (Red) A (Amber) G (Green)	Scaffolds: size, fall distance	Trunk: size, fall distance	Pedestal: size, fall distance	Roots: zone location
Health, Vigor, Physiology and Biology				
Defects, Cavities, Decay and Structure				
Dynamics, Harmonics, Wavelength and Moment				
Other: lightning, insect nests, wildlife, poison ivy/oak, etc.				
LIKELIHOOD OF TREE FAILURE & TARGET IMPACT ASSESSMENT RATING: (Use the majority risk rating and/or the most severe rating.)				

TARGET AND SITE ASSESSMENT

Human Occupancy Frequency	<input type="checkbox"/> Maximum	<input type="checkbox"/> Average	<input type="checkbox"/> Minimum
Always (20-24/7) Maximum	Regular: 10 – 40 / hr. (8-12/7) Average		Infrequent: 10 or less / hr. (3-4/7) Minimum
Traffic or Vehicular Obstacle	<input type="checkbox"/> Maximum	<input type="checkbox"/> Average	<input type="checkbox"/> Minimum
Highway (80km/hr or greater) Maximum	Principle Road (50 – 80km/hr) Average		Minor Road Minimum
Utilities or Special Value	<input type="checkbox"/> Maximum	<input type="checkbox"/> Average	<input type="checkbox"/> Minimum
Special (Monuments/Historical) Maximum	High (\$10,000 +) Average		Low - Moderate (up to \$9,000) Minimum
HIGHEST TARGET / SITE RATING:			

Record the likelihood of tree failure risk rating and target/site rating above into matrix axis x and y to determine **OVERALL TREE & SITE RISK**.

Tree & Site Risk		Likelihood of failure risk rating		
		R (RED)	A (AMBER)	G (GREEN)
Target & Site Risks	MAXIMUM	Extreme	High	Moderate
	AVERAGE	High	Moderate	Low
	MINIMUM	Moderate	Low	Low

Interval and/or Advanced Inspection Recommendations: _____

Inspection Limitations: _____

Extreme Risk: Immediate action necessary. Tree failure imminent. Very high potential to harm pedestrians and damage property.

High Risk: Further action necessary. High potential for tree to fail and harm pedestrians and property.

Moderate Risk: Monitoring necessary. Tree structures remain stable but may deteriorate with time. Treat immediate hazards and monitor.

Low Risk: No action necessary. Tree does not present any danger to pedestrians or property.

Tree & Work Risk Assessment Guide



Arborist _____ Qualification/Certification #: _____

Date: _____ Work Order / Job #: _____

Site Address: _____

WORK ACTIVITY ASSESSMENT: (choose most appropriate work rating)

High angle work, rigging, power tools, equipment, large falling debris, power lines, etc. Technical	High angle work, rigging, power tools, equipment and large falling debris Advanced	High angle work, lifts, ladders, ropes, hand tools and equipment Intermediate	Ground work, cutting, chipping, slashing and equipment Basic	Assessment, inspection, driving Simple
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TREE RISK ASSESSMENT WITH TREE WORK CONSIDERATIONS

Rate the severity of defects in the four areas of the tree as indicated to the right, consider the following in each area. R (Red) A (Amber) G (Green)	Scaffolds: size, fall distance	Trunk: size, fall distance	Pedestal: size, fall distance	Roots: zone location
Health, Vigor, Physiology and Biology				
Defects, Cavities, Decay and Structure				
Dynamics, Harmonics, Wavelength and Moment				
Other: lightning, insect nests, wildlife, poison ivy/oak, etc.				

LIKELIHOOD OF TREE FAILURE & WORK CONSEQUENCE RISK ASSESSMENT RATING: (Use the majority risk rating and/or the most severe rating.)

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Record level of tree and work activity risk assessment above into matrix axis x and y to determine TREE WORK RISK.

Work Risk	Technical	Advanced	Intermediate	Basic	Simple	Assuming that you have trained and qualified workers, use these definitions: Threatening: Life may be lost as likely as not. Serious: Work injury as likely as not. Routine: Unlikely an injury will result.
Red	Threatening	Serious	Serious	Routine	Routine	
Amber	Serious	Serious	Routine	Routine	Routine	
Green	Serious	Routine	Routine	Routine	Routine	

Work risk adjustment due to special conditions (wind, storms, lightning struck, insects, wildlife etc.)

Increase Risk Decrease Risk

Explain:

INTEGRATED TREE & WORK RISK ASSESSMENT RATING

- THREATENING High risk - tree should not be used for anchorage or support.
- SERIOUS Careful planning and consideration required, use risk abatement tools and techniques.
- ROUTINE Proceed and use caution as required in specifically identified areas.

RESIDUAL RISK RATING – UPON COMPLETION OF WORK. WHAT RISK REMAINS?

Residual Risk	Likelihood of failure risk rating			
Target & Site Risks	Extreme	High	Moderate	None

NOTES:

NEXT RECOMMENDED INSPECTION INTERVAL:

SIGNATURE: