

Level 2 Risk Assessment Practice

PNWISA Conference October 7, 2024

Agenda

- 1:00 Introduction, Risk Refresher, and Assignment
Break
- 2:00 Assess Trees
Break
- 4:00 Review data and discuss in classroom
- 5:00 Happy hour



<https://arcg.is/1nGnL01>



<https://forms.gle/FT2aaJ1T5f1NwTrL9>

Condition Ratings (modified from Guide for Plant Appraisal)

	Health	Structure	Form
Excellent	Vigor nearly perfect with little or no twig dieback, discoloration or defoliation.	Strong branch attachments with few or no features affecting tree or branch stability.	Tree shape highly functional and aesthetic in landscape.
Good	Typical vigor with minor twig dieback, defoliation or discoloration.	Good branch attachments with minor and correctable features affecting tree or branch stability.	Tree shape functional and aesthetic in landscape.
Fair	Reduced vigor with moderate twig dieback, defoliation, and/or discoloration.	A single feature significantly affecting or multiple features moderately affecting tree or branch stability that would not be practical to correct or would require multiple treatments over several years.	Tree shape compromises function and/or aesthetics in landscape.
Poor	Compromised vigor with extensive twig and/or branch dieback and defoliation.	A single feature seriously affecting or multiple features significantly affecting tree stability that cannot be corrected.	Tree shape significantly detracts from function and/or aesthetics to a significant degree.
Very Poor	Poor vigor with little live foliage or branches.	Multiple features seriously affecting tree stability that cannot be corrected.	Tree shape provides little to no function and is visually unappealing in landscape.
Dead	No live foliage or branches	Tree failed.	-

Risk Assessors

13.3.2 Tree risk assessors shall have sufficient training and experience to provide the specified level and details of the tree risk assessment.

The information in this guide is not sufficient for the arborist to perform tree risk assessment; training and experience are also necessary.

The Tree Risk Assessment Manual is designed to provide tree risk assessors with the basic knowledge and methodology needed to perform a competent assessment.

This is an interactive document

Links are live and clickable if you download this document from the QR below.



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Definitions (from ISA BMPs)

Timeframe – The timeframe is the length of time, for instance the number of years, for which the assessor is deciding whether or not a specific failure is likely to occur.

Likelihood of Failure

Improbable - failure is not likely in normal weather or severe weather within the specified time frame

Possible - failure is not likely in normal weather but may occur in severe weather within the specified time frame

Probable - failure may occur in normal weather and is expected to occur in severe weather within the specified time frame

Imminent - failure has begun or will occur soon in normal weather or with minimal additional loading

Likelihood of Impact

Very low - The chance of the failed tree impacting the specified target is remote

Low - There is a slight chance that if the tree were to fail, it will impact the target

Medium - the failed tree could impact the target but it is not expected to do so

High - the failed tree is likely to impact the target

Mitigation – the process of reducing risk

Residual risk – risk remaining after mitigation

Inspection interval – time between inspections – should be recommended based upon the level of risk/residual risk and goals of the client.



Consequences (People)

Negligible - No personal injury such as: striking a person, causing no more than a bruise or scratch

Minor - Minor personal injury such as: typically not requiring professional medical care

Significant - Substantial personal injury such as: injury to a person requiring medical care

Severe - Serious personal injury such as: injury to one or more people that may result in hospitalization or death

Consequences (Property)

Negligible - Low value property damage such as: minor damage to structure, requiring inexpensive repair

Minor - Low to moderate value property damage such as: moderate monetary damage to a vehicle

Significant - Property damage of a moderate to high value such as: high monetary damage to a structure

Severe - High-value property damage such as: Major damage to or destruction of a house

Consequences (Property)

Negligible - Disruptions that can be replaced or repaired such as: landscape lighting

Minor - Small disruption of activities such as: short-term disruption of power on secondary lines

Significant - Considerable disruption of activities such as: distribution primary voltage power lines

Severe - Major disruption of important activities such as: high voltage distribution circuits or transmission power lines

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