



Tree Risk Assessment Package

One (1) Tree Risk Assessment Package per tree. To submit, email complete package to planningbuilding@cobl.us

Date: _____ Site Address: _____

Property Owner Info

Name: _____ Phone: _____

Email address: _____

Assessor(s) Info

Name(s): _____ Phone: _____

Email address: _____

ISA Certified Arborist License No.: _____ TRAQ Certified: ☐ Yes ☐ No

Company name: _____

Company address: _____

Tree Info

Tree species: _____ Tree no.: _____

☐ Significant tree* ☐ Exceptional tree* ☐ Heritage tree* *As defined in BLMC [16.60.030.F](#)

Tree risk rating: ☐ Low ☐ Moderate ☐ High ☐ Extreme

Mitigation options: _____

Mitigation options: _____

Mitigation options: _____

Mitigation options: _____

Overall Residual Risk*: ☐ Low ☐ Moderate ☐ High ☐ Extreme

*After mitigation options have been performed

Tree recommended for removal due to High or Extreme rating after mitigation options have been considered: ☐ Yes ☐ No

- OFFICIAL USE ONLY -

☐ Submittal accepted by Bonney Lake Planning Department

Acceptance of submittal is subject to inspection by a City Planner or on-call arborist

- Tree located in: ☐ [Undeveloped Critical Area](#)
If yes, replacements required as per BLMC [16.20.070\(B\)\(4\)](#) and [16.28.101\(C\)](#)
A written critical area exemption is also required per BLMC 16.20.070.B
- ☐ [Class 2 Landslide Hazard](#)
If yes, replacements required as per BLMC [16.20.070\(B\)\(4\)](#)
A written critical area exemption is also required per BLMC 16.20.070.B
- ☐ Shoreline Jurisdiction (within 200 feet of Lake Tapps)
If yes, replacement required as per BLMC [16.56.050](#) and [16.56.060](#)
A written shoreline exemption is required per BLMC 16.56.060.F
- ☐ Tree Retention Area
If yes, replacements required as per BLMC [16.64.080](#)
- ☐ None of the above

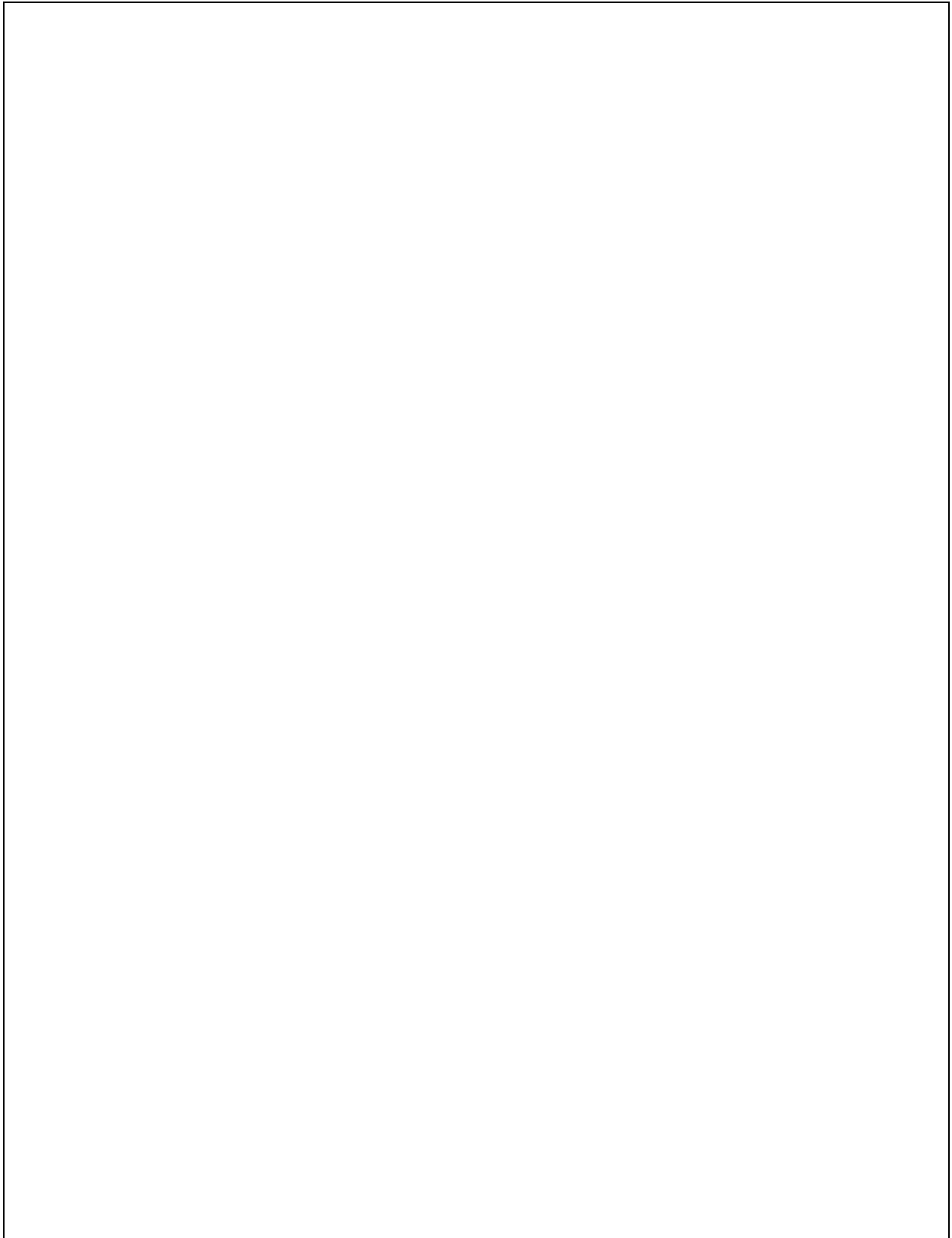
Enclosures

1. Site map
2. Photo(s) of assessed tree
3. Photo(s) of defects of concern
4. Photo(s) of targets
5. International Society of Arboriculture (ISA) Tree Risk Assessment form*

**Form must be completed by an ISA Tree Risk Assessment Qualified (TRAQ) arborist*

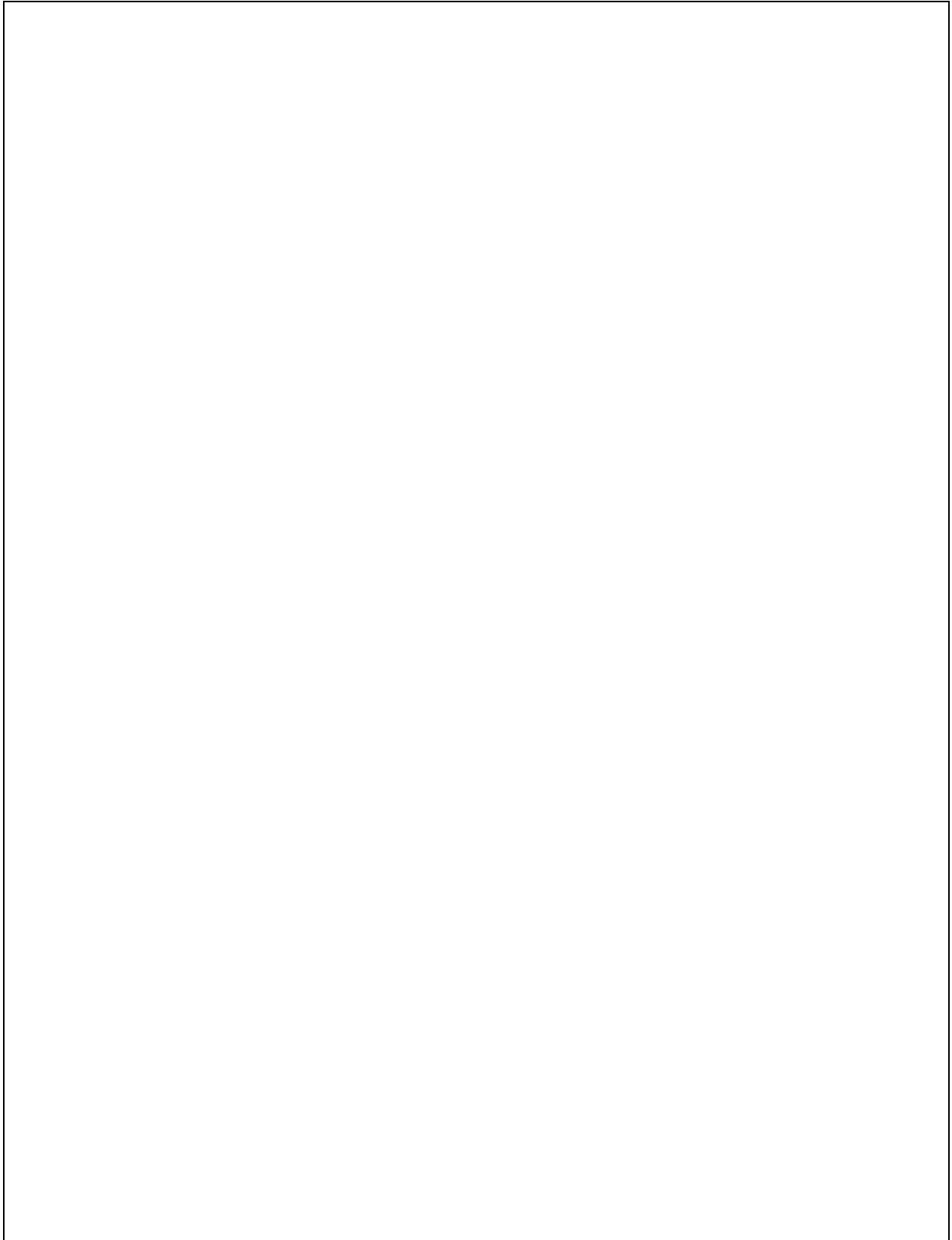
Site map

If multiple trees are being assessed on a site, a single site map showing individually numbered trees (tree numbers should correlate with their appropriate tree risk assessment form) is acceptable.

A large, empty rectangular box with a thin black border, intended for a site map showing individually numbered trees.

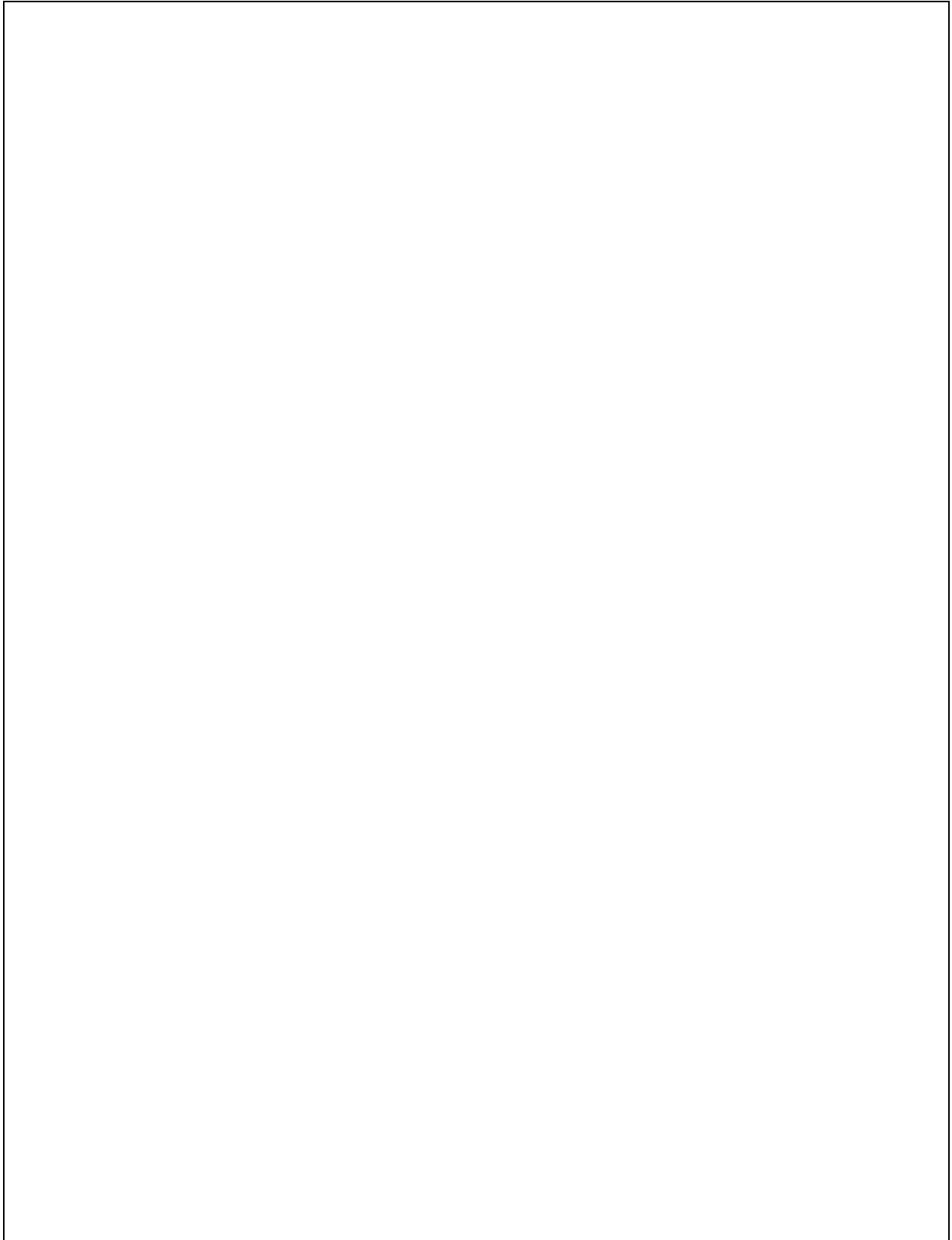
(max file size 10 mb)

Photo(s) of assessed tree



(max file size 10 mb)

Photo(s) of assessed tree



(max file size 10 mb)

Photo(s) of defect(s) of concern

The form consists of two large, empty rectangular boxes stacked vertically, separated by a thin horizontal line. These boxes are intended for uploading photographs of defects. The top box is approximately 400x400 pixels, and the bottom box is approximately 760x380 pixels. Both boxes have a thin black border.

(max file size 10 mb)

Photo(s) of defect(s) of concern

The form consists of two large, empty rectangular boxes stacked vertically, separated by a thin horizontal line. These boxes are intended for users to upload photographs of defects. The top box is approximately 400x400 pixels, and the bottom box is approximately 760x380 pixels. Both boxes have a thin black border.

(max file size 10 mb)

Photo(s) of target(s)

The form consists of two large, empty rectangular boxes stacked vertically, separated by a thin horizontal line. These boxes are intended for users to upload photographs of their targets. The top box is approximately 400x400 pixels, and the bottom box is approximately 760x380 pixels. Both boxes have a thin black border.

(max file size 10 mb)

Photo(s) of target(s)

The form consists of two large, empty rectangular boxes stacked vertically, separated by a thin horizontal line. These boxes are intended for users to upload photographs of their targets. The boxes are white with black borders and occupy the majority of the page area below the header.

(max file size 10 mb)



Basic Tree Risk Assessment Form

Client _____ Date _____ Time _____
Address/Tree location _____ Tree no. _____ Sheet _____ of _____
Tree species _____ dbh _____ Height _____ Crown spread dia. _____
Assessor(s) _____ Time frame _____ Tools used _____

Target Assessment

Target number	Target description	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 _____ 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 planned change in load factors _____

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR _____ % Cracks ☐ _____ Lightning damage ☐
Dead twigs/branches ☐ _____ % overall Max. dia. _____ Codominant ☐ _____ Included bark ☐
Broken/Hangers Number _____ Max. dia. _____ Weak attachments ☐ _____ Cavity/Nest hole _____ % circ.
Over-extended branches ☐ Previous branch failures ☐ _____ Similar branches present ☐
Pruning history
Crown cleaned ☐ Thinned ☐ Raised ☐ Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐
Reduced ☐ Topped ☐ Lion-tailed ☐ Conks ☐ Heartwood decay ☐ _____
Flush cuts ☐ Other _____ Response growth _____
Main concern(s) _____

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 _____
Main concern(s) _____

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 _____
Main concern(s) _____

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐
Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization																							
Condition number	Tree part	Conditions of concern	Part size	Fall distance	Target number	Target protection	Likelihood												Consequences				Risk rating of part (from Matrix 2)
							Failure				Impact				Failure & Impact (from Matrix 1)								
							Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant	Severe	
1																							
2																							
3																							
4																							

Matrix 1. Likelihood matrix.

Likelihood of Failure	Likelihood of Impacting Target			
	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 rating 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 _____

Mitigation options _____ Residual risk _____

_____ Residual risk _____

_____ Residual risk _____

_____ Residual risk _____

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

Work priority 1 ☐ 2 ☐ 3 ☐ 4 ☐

Overall residual risk Low ☐ Moderate ☐ High ☐ Extreme ☐

Recommended inspection interval _____

Data ☐ Final ☐ Preliminary Advanced assessment needed ☐ No ☐ Yes-Type/Reason _____

Inspection limitations ☐ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe _____

