



Work Unit: _____ Tree #: _____ Inspection Date: _____ Rating:

Address/Site: _____ Location: _____

Species: _____ DBH: _____ Height: _____ Street / Public / Commercial / Private (circle one)

Recommended Action: _____

Priority Date: _____ Action Date: _____

Risk Assessment

Classes	Risk Value	Rating Criteria	Rating
Likelihood of Failure (A)	1	Improbable	
	2	Possible	
	3	Probable	
	4	Imminent	
Likelihood of Target Impact (B)	1	Very Low	
	2	Low	
	3	Medium	
	4	High	
Consequences of Failure (C)	1	Negligible	
	2	Minor	
	3	Significant	
	4	Severe	
Subtotal 1	3 - 12	Add A + B + C	<input style="width: 100px; height: 20px;" type="text"/>

Risk Management

Target (D)	1	Low Use	
	2	Moderate Use	
	3	High Use	
	4	Very High Use	
Species (E)	1	Low	
	2	Moderate	
	3	High	
	4	Very High	
Action (F)	1	Reevaluate next inspection cycle	
	2	Reevaluate next growing season	
	3	Mitigation	
	4	Remove	
Subtotal 2	3 - 12	Add D + E + F	<input style="width: 100px; height: 20px;" type="text"/>
Prioritized Rating		Multiply Subtotal 1 x Subtotal 2	<input style="width: 100px; height: 20px;" type="text"/>

To determine Total Rating – Multiply (A + B + C) x (D + E + F). Place this total in the upper right hand of this form. NOTE: The Prioritized Rating does not imply individual tree risk threshold and is intended to be used as a management tool to prioritize risk reduction efforts.

NOTES: _____

Likelihood of Failure (A)

1 – **Improbable:** Not likely to fail under normal weather conditions

- *Minor branch dieback < 2" dia.*
- *Minor defects or wounds < 20% of tree*

2 – **Possible:** Failure could occur, but is unlikely under normal weather conditions

- *Stem decay w/in safe shell limits*
- *Defects affecting 30-40% circumference*
- *Crown damage: decid.<50%, conf.<30%*
- *Co-dominant leaders with included bark*
- *Girdling roots <40% of circumference*
- *Root damage, <40% of total # or roots*

3 – **Probable:** Failure maybe expected under normal weather conditions

- *Cracks in contact with soil*
- *Decay exceeding safe shell limits*
- *Defects affecting >40% of circumference*
- *Crown damage: decid.>50%, conf.>30%*
- *Weak branch union with crack or decay*
- *Girdling root >40% circumference*
- *Root damage >40%*
- *Leaning tree, recent root breakage*
- *Standing dead w/out significant defects*

4 – **Imminent:** Failure has started or most likely to occur in the near future

- *Stem decay exceeding safe shell limits*
- *Cracks with branch split in half*
- *Defects affecting >40% of circumference*
- *Extensive decay of roots >40%*
- *Broken hangers in crown >3 inches*
- *Dead trees with decay, cracks, hangers*
- *Leaning tree hung up in adjacent tree*

Likelihood of Target Impact (B)

1 – **Very Low:** The chance of the failed tree or branch impacting the target is remote

- *tree or part that would fall away from street, sidewalk or public area*

2 – **Low:** It is not likely that the failed tree or part will impact the target

- *tree or part fall into adjacent tree or structure, target is protected*

3 – **Medium:** The failed tree or part may or may not impact the target with equal likelihood.

- *tree or part would fall into target zone area or partially impact the target*

4 – **High:** The failed tree or part will most likely impact the target

- *tree or part will fall into target zone area*

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Consequences of Failure (C)

1 – **Negligible:** No personal injury, low-value property damage, disruption can be easily mitigated

2 – **Minor:** Minor personal injury, low to moderate property damage, small disruption to activities

3 – **Significant:** Personal injury, moderate to high value property damage, considerable activity disruption

4 – **Severe:** Serious personal injury or death, damage to high value property, disruption of important activities

Target (D)

1 – **Low Use:** Low to moderate length of time in the target zone, *rare visitation in target area*

2 – **Moderate Use:** Moderate to high length of time in the target zone, *occasional visitation*

3 – **High Use:** Long to very long length of time in the target zone, *present in target area for large portion of the day*

4 – **Very High Use:** very high length of time in the target zone, *constant presence in target area*

Species (E)

1 – **Low:** Small ornamental or evergreen, e.g., *plum, river birch, Gambel oak, pinyon/juniper*

2 – **Moderate:** Medium-sized tree, e.g., *aspen, crab, honeylocust, walnut, ponderosa pine*

3 – **High:** Large-sized tree, e.g., *green ash, hackberry, American elm, Colorado spruce*

4 – **Very High:** Large sized tree with branching or internal wood issues, e.g., *cottonwood, Siberian elm, silver maple, silver/white poplar, globe & golden willow*

Action (F)

1 – **Reevaluate next inspection cycle:** Determined after discussions with tree owner

2 – **Reevaluate next growing season:**

3 – **Mitigation:** Any action applied to tree to reduce risk, e.g., pruning, cabling, bracing

4 – **Remove:** Inform the tree owner how quickly the tree should be removed

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