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Basic Tree Risk Assessment Form

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Client Ernie Keebler	Tree no. 1	Crown spread dia meter 38"
Date 11/16/2019	Tree species Maple	Assessor(s) John Smith
Time 15:02	dbh	Time frame Midday
Address/Tree location Behind the home 123 Elfin Way Fairfax, VA 22045	Height 75Ft	Tools used Measure Tape

Target Assessment

Target Number	Target description	Target zone	Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.	Occupancy rate	Practical to move target?	Restriction practical?
1	Dead branches near wires	Target zone	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1-rare	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Limbs near House	Target zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2-occasional	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Site Factors

History of failures None	Describe Slope near tree	Prevailing wind direction
Topography Slope	Soil conditions <input type="checkbox"/> Limited volume <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Shallow <input type="checkbox"/> Compacted <input type="checkbox"/> Pavement over roots	Common weather <input type="checkbox"/> Strong winds <input type="checkbox"/> Ice <input type="checkbox"/> Snow <input checked="" type="checkbox"/> Heavy rain
% Aspect 15	% 30	Describe Recent heavy rains
Site changes <input type="checkbox"/> None <input checked="" type="checkbox"/> Grade change <input type="checkbox"/> Site clearing <input type="checkbox"/> Changed soil hydrology <input checked="" type="checkbox"/> Root cuts	Describe Recent Rains	

Tree Health and Species Profile

Vigor	Chlorotic %	<input checked="" type="checkbox"/> Branches
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Normal

Foliage

None (seasonal)

None (dead)

Normal %

Necrotic %

Pests

None observed

Abiotic

Trunk

Roots

Describe

Dead branches

Species failure profile

Load Factors

Wind exposure

Protected

Partial

Full

Wind funneling

Relative crown size

Medium

Crown density

Normal

Interior branches

Normal

Vines/Mistletoe/Moss

Crown and Branches

Unbalanced crown

LCR %

Dead twigs/branches

% overall

30

Max. dia.

13

Broken/Hangers

Number

12

Over-extended branches

Pruning history

Crown cleaned

Thinned

Raised

Reduced

Topped

Lion-tailed

Flush cuts

Other

Cracks

Lightning damage

Codominant

Included bark

Weak attachments

Cavity/Nest hole % circ.

20

Previous branch failures

Similar branches present

Dead/Missing bark

Cankers/Galls/Burls

Sapwood damage/decay

Conks

Heartwood decay

Response growth

Main concern(s)

Heavy branches will fall

Load on defect

Moderate

Likelihood of failure

Possible

Trunk

Dead/Missing bark

Sap ooze

Lean °

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- Abnormal bark texture/color
- Codominant stems
- Included bark
- Cracks
- Sapwood damage/decay
- Cankers/Galls/Burls

- Lightning damage
 - Heartwood decay
 - Conks/Mushrooms
- Cavity/Nest hole % circ.
10
- Depth
8
- Poor taper

5

Corrected?
No

Response growth

Main concern(s)
Branches will weaken and fall

Load on defect
Minor

Likelihood of failure
Possible

Roots and Root Collar

- Collar buried/Not visible

- Ooze
 - Cavity
- % circ.
60
- Cracks
 - Cut/Damaged roots
- Distance from trunk
12

- Root plate lifting
- Soil weakness

Response growth

Main concern(s)
Branches will fall due to heavy rains

Load on defect
Moderate

Likelihood of failure
Possible

Depth

- Stem girdling
- Dead
- Decay
- Conks/Mushrooms

Risk Categorization

Condition number	Tree part	Condition of concern	Part size	Fall distance	Target number	Target protect	Likelihood	Likelihood	Impact	Failure & Impact	Consequence	Risk rating of part
1	limbs	dead	7inch	20ft	1	2	Likelihood	Possible	Medium	Somewhat Likely	Negligible	3
2	Limbs	damage from heavy rains	6inch	25feet	2		Likelihood	Probable	Medium	Likely	Negligible	4

Notes

Notes, explanations, descriptions

Tree needs to be trimmed back

Mitigation options

Overall residual risk

Moderate

Data

Inspection limitations

None

Describe

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Careful not to damage home

Preliminary

Work priority

Residual risk

Advanced assessment needed

1

No

Overall tree risk rating

Type/Reason

Recommended inspection interval

Moderate

Check every 3/4 months for futher damages