A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: 310 Champlain

Map/Location: _____

Owner: public ✓ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 001 **Species:** tomentosa deltoides

DBH: _____ **# of trunks:** 1 **Height:** 25 **Spread:** ± 19 m

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 75 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☒ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ sans fosse

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% (10-25%) 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure			branching str.	

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☒ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: 310 Champlain

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: ____ Inspector: ____

Date of last inspection: ____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 002 **Species:** Populus Deltoides

DBH: ____ **# of trunks:** 1 **Height:** 25 **Spread:** 20

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☒ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: ____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ ____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ 3 m du chemin

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____

Wind (tree position): ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: (Y) N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S (M) L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay		possible ear branch codominant		
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: 318 Champlain

Map/Location: _____

Owner: public _____ private 2 unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 003 **Species:** Populus deltoides

DBH: 158 **# of trunks:** 1 **Height:** 32 **Spread:** 26

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 99 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none tails branches severe

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☒ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☒ underground utilities ☒ traffic ☐ adjacent veg. ☒ fosse

Wind (tree position): ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: S severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: (Y) N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M L

Root pruned: L ft from trunk **Root area affected:** 20 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			2	
Multiple attachments			2	
Included bark			2	
Excessive end weight			2	
Cracks/Splits			X	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: branches maîtresse

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☒ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Fond rigole de carie interne

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: devant 1re champ

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 004 **Species:** Tamplier du Japon

DBH: 100 **# of trunks:** 1 **Height:** 22 **Spread:** 20

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 65 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☒ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 1 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		X	X	
Included bark		X		
Excessive end weight				
Cracks/Splits		X		
Hangers				
Girdling				
Wounds				
Decay		X		
Cavity				
Conks/Mushrooms	•			
Bleeding				
Loose/cracked bark		X	X	
Nesting hole/bee hive				
Deadwood/stubs		X	X	X
Borers/termites/ants				
Cankers/galls				
Previous failure		X	X	X

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public 2 private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 005 **Species:** Pemplier de Hardes

DBH: 120 **# of trunks:** 2 **Height:** 28 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 40 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** (Y) N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks		x		
Multiple attachments			x	
Included bark				
Excessive end weight				
Cracks/Splits		x	x	x
Hangers				
Girdling				
Wounds				
Decay		x	x	
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark		x	x	x
Nesting hole/bee hive				
Deadwood/stubs		x	x	x
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Dégag l'espace pour frêne et orme
20% carie apparente côté champ

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 006 **Species:** Populus Deltoides

DBH: 1m **# of trunks:** 1 **Height:** 18 **Spread:** 24

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 75 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** (Y) N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	(25-50%)	50-75%	75-100%	**Lifted?** Y (N) Compaction vs. che
% dripline w/ fill soil:	0%	10-25%	(25-50%)	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y N Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments			X	
Included bark			X	
Excessive end weight				
Cracks/Splits		X	X	
Hangers				
Girdling				
Wounds				
Decay		X	X	
Cavity		X	X	
Conks/Mushrooms	•			
Bleeding				
Loose/cracked bark		X	X	
Nesting hole/bee hive		X		
Deadwood/stubs		X	X	X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Branche sécher rejoignant cœur arbre

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public 2 private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 007 **Species:** Populus Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 28 **Spread:** 24

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Jache

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☒ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 008 **Species:** Populus Deltoides

DBH: 40 **# of trunks:** 1 **Height:** 20 **Spread:** 15

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 40 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☒ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

4D semis matured on reject sanche

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	(10-25%)	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	(10-25%)	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: 10 deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☒ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Arbre perché sur le champ
Broche dans arbres

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 009 **Species:** Peuplier De Hollides

DBH: 1.00 **# of trunks:** 1 **Height:** 28 **Spread:** 22

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 75 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vache x chemin

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ________ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: ________________ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** ________________

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: ________ ft from trunk **Root area affected:** ________ % **Buttress wounded:** Y N **When:** ________________

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments			X	
Included bark			X	
Excessive end weight				
Cracks/Splits		X	X	
Hangers				
Girdling				
Wounds				
Decay		X		
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark		X	X	
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: ________________

Failure Potential: (1) 2 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ________________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** ________________

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Plusieurs branch adventive

Sandra Pressler

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public 2 private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 010 **Species:** Populus deltoides

DBH: 125 **# of trunks:** 1 **Height:** 28 **Spread:** 18

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 85 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☑ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** (Y) N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: Decollement écorce

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☑ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	(25-50%)	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	(25-50%)	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks		x	x	
Multiple attachments		x		
Included bark				
Excessive end weight				
Cracks/Splits		x	x	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		x		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs		x	x	x
Borers/termites/ants	x	x		
Cankers/galls			x	
Previous failure		x	x	

HAZARD RATING

Part most likely to fail: arbors

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 011 **Species:** Pemphis Delbaides

DBH: 110 **# of trunks:** 1 **Height:** 25 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y N Roots exposed: (Y) N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S (M) L

Root pruned: 4 ft from trunk **Root area affected:** 50 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks		X	X	
Multiple attachments		X		
Included bark		X		
Excessive end weight				
Cracks/Splits	X	X		
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding			X	
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☑ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Ballerina star home

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 012 **Species:** Populus Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 22 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☒ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** 10 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark			X	
Excessive end weight				
Cracks/Splits		X		
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms	•			
Bleeding				
Loose/cracked bark		X	X	
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				X

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 013 **Species:** Pemplier Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 25 **Spread:** 18

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 80 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** (Y) N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vach

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☒ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☑ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** 10 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			x	
Multiple attachments		x	x	
Included bark		x	x	
Excessive end weight				
Cracks/Splits		x	x	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding			x	
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs		x	x	x
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Liani pousse dans l'arbre

Ecorce décollé

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ✓ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 014 **Species:** Populus Deltoides

DBH: 120 **# of trunks:** 1 **Height:** 22 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 99 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vicha

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: (S) M L **Undermined:** S M (L)

Root pruned: 4 ft from trunk **Root area affected:** 50 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay		X		
Cavity		X		
Conks/Mushrooms				
Bleeding				
Loose/cracked bark		X		
Nesting hole/bee hive				
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☑ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 015 **Species:** Platanus Occidentalis

DBH: 1120 **# of trunks:** 1 **Height:** 25 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** (Y) N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y N Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		X	X	
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding			X	X
Loose/cracked bark				
Nesting hole/bee hive		X	X	
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: (X) remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: (X) none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 016 **Species:** Pemphis Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 22 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☒ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				X
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls				
Previous failure			X	X

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Arbre sur coin entrée propriété agricole

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ☒ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 018 **Species:** Pumpkin Ash

DBH: 60 **# of trunks:** 1 **Height:** 20 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: 0% (10-25%) 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: ___ ft from trunk **Root area affected:** ___ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

J'ai sauté 2 peupliers deltoïdes avant le 018 à 5m d'intervalle dont les DHP était de 20 et 30 cm → non dangereux
Pt gps 017 non valide

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 019 **Species:** Populus Deltoides

DBH: 75 **# of trunks:** 1 **Height:** 22 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y (N) **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: (X) none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: ____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 020 **Species:** Peuplier Deltoide

DBH: 30-40 **# of trunks:** 2 **Height:** 22 **Spread:** 12

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ Vent bonne direction

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: branche Pins

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Vigne monte dans l'arbre
Arbre voisin abattu recement souche de 80 cm DHS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 021 **Species:** Peuplier Deltoïde

DBH: 30 **# of trunks:** 1 **Height:** 18 **Spread:** 10

Take de 3-4 arbres identique aux 10 m

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y (N) **tD:** _____

Exposed roots: S (M) L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** 20 % **Buttress wounded:** Y N **When:** 2008-07-16

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Passe une bande de plusieurs arbres ormes morts à ongler et érable à sucres sains.

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ___X___ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 022 **Species:** Pennisetum setaceum

DBH: 30 **# of trunks:** 1 **Height:** 18 **Spread:** 8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☑ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

hard fescue crown

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

lights, electrical

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

milieu arbre

LEAN: 20 deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: (S) M L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: arbre complet

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Si retrait restera arbre Tilleul et frêne de bonne envergure

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 023 **Species:** Pinus halepensis

DBH: 35 **# of trunks:** 1 **Height:** 18 **Spread:** 10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☒ other arbres

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: (0) deg. from vertical (X) natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M (L) **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: (X) none ☐ evaluate

COMMENTS

En enlevant l'arbre les frenes et érables en profiteront arbres (ers, fra) d'une 10m de haut

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 024 **Species:** Populus deltoides

DBH: 40 **# of trunks:** 1 **Height:** 20 **Spread:** 10

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 85 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

massif populus

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☒ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** 20 % **Buttress wounded:** Y N **When:** 2008-07-15

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☒ evaluate

COMMENTS

Les résidences sont sur le côté du vent, donc si arbres tombe en vent de l'ouest elles sont correct
Branche mortes en cime → 1 dun 025

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 026 **Species:** Peuplier De Haide

DBH: 25 **# of trunks:** 1 **Height:** 18 **Spread:** 10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	(25-50%)	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Arbre penche du coté du champ

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M (L)

Root pruned: (6) ft from trunk **Root area affected:** 10 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		X		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3. **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private ☒ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 027 **Species:** Pemphigus betae

DBH: 30 **# of trunks:** 1 **Height:** 20 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

mass

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	(25-50%)	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen:-TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: 5 ft from trunk **Root area affected:** 20 % **Buttress wounded:** Y N **When:** 2018-07-15

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		X		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (2) 2 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 038 **Species:** Populus deltoides

DBH: 25 **# of trunks:** 1 **Height:** 20 **Spread:** 7

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	(10-25%)	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: S severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 5 ft from trunk **Root area affected:** 15 % **Buttress wounded:** Y (N) **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		2		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree # 029 **Species:** Populus Deltoides

DBH: 45 **# of trunks:** 1 **Height:** 22 **Spread:** 10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	(25-50%)	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 5 ft from trunk **Root area affected:** 20 % **Buttress wounded:** Y N **When:** 2008-07-15

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X unknown ____ other ____

Date: ____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree # 030 **Species:** Poplier Deltoides

DBH: 35 **# of trunks:** 1 **Height:** 20 **Spread:** 9

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 40 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☒ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ______ deg. from vertical ☑ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: ____________________ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** ____________

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 7 ft from trunk **Root area affected:** 10 % **Buttress wounded:** Y N **When:** 2008-07-15

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: ____________

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ____________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** ____________

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Le retrait du O30 dégagerait une érable

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 032 **Species:** Populus Deltoides

DBH: 35 **# of trunks:** 1 **Height:** 70 **Spread:** 8

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	(10-25%)	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: 25 deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Son retrait permet à un petit massif forestier
d'être dégagé. Arbre très penché dans champ
penché à cause d'un autre gros qui est tombé dessus.

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed
☐ Needs further inspection
☐ Dead tree

TREE CHARACTERISTICS

Tree #: 033 **Species:** Poplar Deltoides

DBH: 40 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	(25-50%)	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		X		
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 034 **Species:** Populus deltoides

DBH: 60 **# of trunks:** 2 **Height:** 30 **Spread:** 40

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☑ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ________ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: ____________________ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** ____________

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 8 ft from trunk **Root area affected:** 10 % **Buttress wounded:** Y N **When:** 2008-07-15

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay		X		
Cavity		X		
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: ____________

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ____________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** ____________

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Son retrait peut remarqué dégagerait beaux arbres
penche sur champ

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 036 **Species:** Populus Deltoide

DBH: 30 **# of trunks:** 1 **Height:** _____ **Spread:** _____

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☒ suppressed

Live crown ratio: 60 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Son retrait dégage une belle érable à sucre

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ✓ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 037 **Species:** Populus deltoides

DBH: 24 **# of trunks:** 1 **Height:** 18 **Spread:** 8

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☒ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☒ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Arbre invisible dans le massif. Son dégagement éclaircie un érable à sucre

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 039 **Species:** Populus Deltoids

DBH: 25 **# of trunks:** 2 **Height:** 18 **Spread:** 8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☒ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Son retrait dégage un enable a short

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 040 **Species:** Populus Deltoides

DBH: 35 **# of trunks:** 1 **Height:** _____ **Spread:** _____

Form: ☐ generally symmetric ☐ minor asymmetry ☑ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 75 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: 25 deg. from vertical ☐ natural ☒ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: (Y) N Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** (S) M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark			X	
Excessive end weight			X	X
Cracks/Splits			X	
Hangers				
Girdling				
Wounds				
Decay			X	
Cavity			X	
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 04-1 **Species:** Rumpler Delta Elms

DBH: 95 **# of trunks:** 1 **Height:** 27 **Spread:** 21

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 85 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments			X	
Included bark				
Excessive end weight				
Cracks/Splits			X	
Hangers				
Girdling				
Wounds				
Decay				
Cavity		X	X	
Conks/Mushrooms				
Bleeding				X
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y N **Other:** _____

Effect on adjacent trees: (N) none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ☒ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 042 **Species:** Populus deltoide

DBH: 240 **# of trunks:** 1 **Height:** 90 **Spread:** 8

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Some

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments			X	X
Included bark				X
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: (☒) none ☐ evaluate

COMMENTS

Son retrait degage

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: 2006-07-15 Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 043 **Species:** Pinus deltoides

DBH: 40 **# of trunks:** 1 **Height:** 15 **Spread:** 10

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ open ☒ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☒ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Some

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: 20 deg. from vertical ☒ natural ☐ unnatural **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) Roots exposed: Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** S M (L)

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Son retrait dégagera d'autres frênes

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____

Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed

_____ Needs further inspection

_____ Dead tree

TREE CHARACTERISTICS

Tree #: 044 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 17

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☒ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** + année

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☑ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ____X____ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____

Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: 045 **Species:** Pinus taeda

DBH: 36 **# of trunks:** 1 **Height:** 18 **Spread:** 7

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: (0%) 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: (0%) 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ________ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: ________________________________ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** ________________

Exposed roots: S M L **Undermined:** S M L

Root pruned: ________ ft from trunk **Root area affected:** ________ % **Buttress wounded:** Y N **When:** ________

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: ________________________________

Failure Potential: 1 2 3 **Size of Part:** 1 2 3 **Target:** 1 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ________________________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** ________________

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

S reboisé le laisser pour 5-10 an

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 246 **Species:** Pyrus calleryana

DBH: 100 **# of trunks:** 1 **Height:** 25 **Spread:** 14

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☑ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ lill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☑ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ________ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: ______________________________ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** (Y) N **ID:** ______________________

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: ______ ft from trunk **Root area affected:** ______ % **Buttress wounded:** Y N **When:** ______________

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: grosse branche

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ______________________________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** ______________

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Branche tête sèche, nouvelle branche mal arrivée
[illegible]

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 047 **Species:** Pinus sp.

DBH: 60 **# of trunks:** 1 **Height:** 25' **Spread:** 8

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☒ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: (0%) 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: (0%) 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms	• (L)	X		
Bleeding				
Loose/cracked bark	X	(L)		
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

Site/Address: ____________________

Map/Location: ____________________

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: ____________________

Date of last inspection: ____________________

TREE CHARACTERISTICS

Tree #: [illegible] **Species:** [illegible]

DBH: [illegible] **# of trunks:** 1 **Height:** 30 **Spread:** [illegible]

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: ____________________

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: 1 ft from trunk **Root area affected:** 5 % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments			2	
Included bark			2	
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: [illegible]

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☑ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☑ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 049 **Species:** Pemphis Deltoides

DBH: 30 **# of trunks:** 1 **Height:** 25 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				X
Cavity				X
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Son retrait dégageant des frênes intéressants

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 050 **Species:** Peruvian delfoide

DBH: 100 **# of trunks:** 1 **Height:** 25 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 80 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments			X	
Included bark			X	
Excessive end weight				
Cracks/Splits	X	X	X	X
Hangers				
Girdling				
Wounds				
Decay		X	X	
Cavity			X	
Conks/Mushrooms				
Bleeding				
Loose/cracked bark		X	X	
Nesting hole/bee hive	X	X		
Deadwood/stubs			X	
Borers/termites/ants	X	X		
Cankers/galls				
Previous failure	X			

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: X none ☐ evaluate

COMMENTS

Abatage urgent

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ___X___ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 051 **Species:** Populus deltoides

DBH: 110 **# of trunks:** 1 **Height:** 30 **Spread:** 17

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 98 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☑ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☑ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** (Y) N **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	X
Multiple attachments		X	X	X
Included bark		X	X	
Excessive end weight				
Cracks/Splits		X	X	X
Hangers				
Girdling				
Wounds				
Decay	X	X	X	
Cavity				
Conks/Mushrooms	X			
Bleeding				
Loose/cracked bark	X	X	X	X
Nesting hole/bee hive	X	X	X	X
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Abattage urgent

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 052 **Species:** Pemplier de Hollande

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☒ inadequate ☐ excessive ☐ trunk wetted Some areas

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☒ drainage ☐ shallow ☐ compacted ☐ droughty ☒ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments			X	
Included bark				X
Excessive end weight				
Cracks/Splits		X	X	X
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark			X	
Nesting hole/bee hive	X	X	X	
Deadwood/stubs				
Borers/termites/ants	X	X		
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 053 **Species:** Populus Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 98 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: 1 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments			✗	✗
Included bark				
Excessive end weight			✗	
Cracks/Splits			✗	✗
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding			✗	
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			✗	✗
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 054 **Species:** Populus Deltoides

DBH: 100 **# of trunks:** 1 **Height:** 28 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 80 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse **Leaf size:** ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: ___1___ ft from trunk **Root area affected:** 50 % **Buttress wounded:** Y N **When:** ? _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments			X	
Included bark			X	
Excessive end weight			X	
Cracks/Splits			X	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		X	X	
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: (X) none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ____X____ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____

Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: 055 **Species:** Populus deltoides

DBH: 30 **# of trunks:** 1 **Height:** 90 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y (N)

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: (0%) 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: (0%) 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Dans le cas on on coupe tous les gros, retirer celui-là aussi

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: ______________________

Map/Location: ______________________

Owner: public __X__ private ______ unknown ______ other ______

Date: ______ Inspector: ______

Date of last inspection: ______

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: D56 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: [x] generally symmetric [ ] minor asymmetry [ ] major asymmetry [ ] stump sprout [ ] stag-headed

Crown class: [x] dominant [ ] co-dominant [ ] intermediate [ ] suppressed

Live crown ratio: 100 % **Age class:** [ ] young [ ] mature [x] over-mature

Pruning history: [ ] crown cleaned [ ] excessively thinned [ ] topped [ ] crown raised [ ] pollarded [ ] crown reduced [x] none

Special Value: [ ] specimen [ ] heritage/historic [ ] wildlife [ ] unusual [x] street tree [ ] screen [ ] shade [ ] indigenous [ ] other

TREE HEALTH

Foliage color: [x] normal [ ] chlorotic [ ] necrotic **Epicormics?** Y N

Foliage density: [x] normal [ ] sparse **Leaf size:** [ ] normal [ ] small

Annual shoot growth: [ ] excellent [x] average [ ] poor **Twig Dieback?** Y N

Callus development: [ ] excellent [x] average [ ] poor [ ] none

Vigor class: [ ] excellent [x] average [ ] fair [ ] poor

Major pests/diseases: ______

SITE CONDITIONS

Site Character: [ ] residence [ ] commercial [ ] industrial [ ] park [x] open space [ ] natural [ ] ______

Landscape type: [ ] parkway [ ] raised bed [ ] container [x] open [ ] ______

Irrigation: [ ] none [x] adequate [ ] inadequate [ ] excessive [ ] trunk wetted

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: [ ] drainage [ ] shallow [ ] compacted [ ] droughty [ ] saline [ ] alkaline [ ] acidic [ ] small volume [ ] disease center [ ] history of fail

Obstructions: [ ] lights [ ] signage [ ] line-of-sight [ ] view [x] overhead lines [ ] underground utilities [ ] traffic [ ] adjacent veg. [ ] ______

Wind (tree position): [ ] single tree [ ] below canopy [ ] above canopy [ ] recently exposed [x] windward, canopy edge [x] area prone to windthrow

TARGET

Use Under Tree: [ ] building [ ] parking [ ] traffic [ ] pedestrian [ ] recreation [x] landscape [ ] hardscape [ ] small features

Can target be moved? Y (N)

Occupancy: [x] occasional use [ ] medium, intermittent use [ ] frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		X	X	
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding			X	
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: (X) remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: (X) none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 057 **Species:** Populus deltoids

DBH: 40 **# of trunks:** 1 **Height:** _____ **Spread:** _____

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 85 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☑ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☒ overhead lines ☐ underground utilities ☐ traffic ☒ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Pourrait être abattu et laisser arbre indigène sur coin lot

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 158 **Species:** poplar deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 98 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** (Y) N

% dripline w/ fill soil: (0%) 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% (10-25%) 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☒ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: 3 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits	X	X		
Hangers				
Girdling				
Wounds				
Decay	X	X		
Cavity	X			
Conks/Mushrooms				
Bleeding				X
Loose/cracked bark		X		
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 159 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% (25-50%) 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☒ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: (S) M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** 60 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** (S) M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		X	X	X
Included bark				
Excessive end weight				
Cracks/Splits	X	X		
Hangers				
Girdling				
Wounds				
Decay				
Cavity				X
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	X	X		
Nesting hole/bee hive		X		
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

À passer à la sonde Pressler
Étranglement racinaire par étranglement racine change de côté

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 160 **Species:** Populus deltoides

DBH: 140 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: _____ % **Age class:** ☐ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** (Y) N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	(25-50%)	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☒ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: 3 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M (L) **Potential for root failure:** (S) M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay	x	x	x	
Cavity				
Conks/Mushrooms				
Bleeding	x	x	x	x
Loose/cracked bark	x		x	
Nesting hole/bee hive	x	x		
Deadwood/stubs			x	x
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 161 **Species:** Fempler deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Vache

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: 3 ft from trunk **Root area affected:** 40 % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		x	x	x
Included bark				
Excessive end weight				
Cracks/Splits		x		
Hangers				
Girdling				
Wounds				
Decay				
Cavity		x		
Conks/Mushrooms				
Bleeding		x	x	x
Loose/cracked bark		x		
Nesting hole/bee hive				
Deadwood/stubs				x
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Sondage avec sonde Pressler
Bosse affaiblissante sur tronc

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ☒ private ☐ unknown ☐ other ☐

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____

Failure Potential + Size of part + Target Rating = Hazard Rating

☐ Immediate action needed

☐ Needs further inspection

☐ Dead tree

TREE CHARACTERISTICS

Tree #: 162 **Species:** Dendroseris litoralis

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 60 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☒ inadequate ☐ excessive ☐ trunk wetted fossé chemin + champ

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vache

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: 1 ft from trunk **Root area affected:** 75 % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks		x	x	x
Multiple attachments		x	x	x
Included bark				
Excessive end weight			x	
Cracks/Splits	x	x	x	
Hangers				
Girdling				
Wounds				
Decay	x	x		
Cavity	x	x		
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	x	x		
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

A abattre dangereux

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ✓ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 163 **Species:** pemphier deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☐ mature ☑ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N vache

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☒ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☒ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y ☒

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L) 2

Root pruned: 3 ft from trunk **Root area affected:** 40 % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments		2		
Included bark				
Excessive end weight				
Cracks/Splits	X	2		
Hangers				
Girdling				
Wounds				
Decay	X	2		
Cavity	X	2		
Conks/Mushrooms				
Bleeding			2	2
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				2
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: dieback wood

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

++ Branche adventive sur le tronc ?

Arbre à surveiller

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ___X___ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 164 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☒ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vache + Nissen

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: (S) M L **Undermined:** S M (L)

Root pruned: 3 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** 2

Restricted root area: S (M) L **Potential for root failure:** (S) M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			2	
Multiple attachments			2	
Included bark				
Excessive end weight				
Cracks/Splits		2	X	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				X
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Sonder Pambre

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ___X___ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 165 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Jache

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M L

Root pruned: 2 ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** ?

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity		X	X	X
Conks/Mushrooms				
Bleeding		X	X	
Loose/cracked bark		X		
Nesting hole/bee hive		X		
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

fente tout long arbre de 0 à 12 m en torsade
+ grosse branche dans tête fendu en deux

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____

Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed

_____ Needs further inspection

_____ Dead tree

TREE CHARACTERISTICS

Tree #: 166 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y (N)
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Vache

Soil problems: ☒ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding		X	X	X
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ☒ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 167 **Species:** Populus deltoides

DBH: 35 **# of trunks:** 1 **Height:** 22 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☑ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☒ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☒ container ☐ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

déchets et empierrement

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☒ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			α	
Multiple attachments				
Included bark				X
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: branche mayenne

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: Jean au 696 champ'air

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 168 **Species:** peuplier deltoïde

DBH: 30 **# of trunks:** 1 **Height:** 20 **Spread:** 5

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☑ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☑ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S (M) L **Undermined:** S (M) L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private ☒ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 170 **Species:** Populus deltoides

DBH: 30 **# of trunks:** 1 **Height:** 12 **Spread:** 4

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☑ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☑ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☑ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☑ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☑ average ☐ poor ☐ none

Vigor class: ☐ excellent ☑ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☒ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	(50-75%)	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☑ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center erosion ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: (S) M L **Undermined:** (S) M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: (S) M L **Potential for root failure:** (S) M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay	X	X		
Cavity	X	X		
Conks/Mushrooms	•			
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive	X	X		
Deadwood/stubs				
Borers/termites/ants	X			
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☒ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ✓ unknown ____ other ____

Date: ____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____

Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: 171 **Species:** Populus deltoides

DBH: 52 **# of trunks:** 1 **Height:** 22 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☒ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☒ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☒ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☒ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

erosion

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	X	X		
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** (1) 2 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Penche vers le lac Champlain

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ✓ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 172 **Species:** Populus deltoides

DBH: 100 **# of trunks:** 1 **Height:** 30 **Spread:** 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☐ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: (S) M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** W % **Buttress wounded:** Y N **When:** _____

Restricted root area: (S) M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks		X	X	
Multiple attachments				
Included bark			X	
Excessive end weight			X	
Cracks/Splits	X	X	X	X
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	X	X	X	
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants	X	X		
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 2 (3) **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate → remplacer par arbuste fixe sol

COMMENTS

Nappe phréatique proche
Sonder arbre

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 173 **Species:** Populus deltoides

DBH: 120 **# of trunks:** 1 **Height:** _____ **Spread:** _____

Form: ☑ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☑ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☒ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☑ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☑ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

erosion

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☒ recreation ☑ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** (Y) N **ID:** _____

Exposed roots: S (M) L **Undermined:** S (M) L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark			X	
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark	X	X	X	
Nesting hole/bee hive	X	X		
Deadwood/stubs				
Borers/termites/ants	X	X		
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** 1, (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate → remplacer par arbuste

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private X ____ unknown ____ other ____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____
Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed
____ Needs further inspection
____ Dead tree

TREE CHARACTERISTICS

Tree #: 174 **Species:** Pecan

DBH: 1250 **# of trunks:** 1 **Height:** 30 **Spread:** 15

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☐ traffic ☐ pedestrian ☒ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y N

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M (L) **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 2 (3) **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private X unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 175 **Species:** poplar deltoides

DBH: 90 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☑ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☒ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved:	0%	10-25%	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☒ parking ☐ traffic ☐ pedestrian ☒ recreation ☒ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S (M) L **Undermined:** S (M) L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S (M) L **Potential for root failure:** S (M) L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas 891

TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 176 **Species:** pepher deltoides

DBH: 70 **# of trunks:** 1 **Height:** 25 **Spread:** 10

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 90 % **Age class:** ☐ young ☐ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☒ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☒ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% (50-75%) 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: 0% 10-25% 25-50% (50-75%) 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

erosion

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure
M defect of moderate severity
L defect of low severity

LEAN: ________ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: ______________________ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** ____________

Exposed roots: S M L **Undermined:** S M L

Root pruned: ________ ft from trunk **Root area affected:** ________ % **Buttress wounded:** Y N **When:** ________

Restricted root area: S M L **Potential for root failure:** S M L

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive		✓	✓	
Deadwood/stubs				
Borers/termites/ants	✓	✓		
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: ____________

Failure Potential: 1 2 3 **Size of Part:** 1 2 3 **Target:** 1 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: ____________ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** ____________

Effect on adjacent trees: ☑ none ☐ evaluate

COMMENTS

Sonder l'arbre avec sonde presler

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private ✓ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 177 **Species:** Populus deltoides

DBH: 70 **# of trunks:** 1 **Height:** 28 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 95 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☒ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	(10-25%)	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	10-25%	25-50%	50-75%	(75-100%)	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☒ parking ☐ traffic ☐ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits	X	X	X	
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms	•	X		
Bleeding				
Loose/cracked bark	X	X	X	
Nesting hole/bee hive				
Deadwood/stubs				X
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 2 (3) **Size of Part:** 1 (2) 3 **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate ~~arbuscle~~ riverain

COMMENTS

Sonder avec Pressler

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public ____ private ☒ unknown ____ other ____

Date: ____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

____ + ____ + ____ = ____

Failure Potential + Size of part + Target Rating = Hazard Rating

____ Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: 178 **Species:** populus deltoides

DBH: 40 **# of trunks:** 1 **Height:** 25 **Spread:** 8

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 40 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☒ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved:	0%	(10-25%)	25-50%	50-75%	75-100%	**Lifted?** Y N
% dripline w/ fill soil:	0%	(10-25%)	25-50%	50-75%	75-100%	
% dripline grade lowered:	0%	10-25%	25-50%	50-75%	75-100%	

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☒ occasional use ☐ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M L **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks				
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay			2	2
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs			1	1
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 (2) 3 **Target:** (1) 2 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

faible arrimage de la tête de l'arbre à la jonction brache cassé pourrie

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: _____

Map/Location: _____

Owner: public _____ private ✓ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 179 **Species:** _____

DBH: 40 **# of trunks:** 1 **Height:** 28 **Spread:** 10

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 100 % **Age class:** ☐ young ☒ mature ☐ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☒ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% 10-25% 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☒ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☐ building ☐ parking ☒ traffic ☐ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☒ medium, intermittent use ☐ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: Y N **Mushroom/conk present:** Y N **ID:** _____

Exposed roots: S (M) L **Undermined:** S M (L)

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark				
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay				
Cavity				
Conks/Mushrooms				
Bleeding				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: (1) 2 3 **Size of Part:** 1 (2) 3 **Target:** 1 (2) 3 **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

COMMENTS

Specimen: TREE HAZARD EVALUATION FORM, Page 2

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TREE HAZARD EVALUATION FORM

Site/Address: face au 339 Champlain

Map/Location: _____

Owner: public _____ private ☒ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____
Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed
_____ Needs further inspection
_____ Dead tree

TREE CHARACTERISTICS

Tree #: 180 **Species:** peuplier deltoïdes

DBH: 120 **# of trunks:** 1 **Height:** 30 **Spread:** 12

Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☒ stag-headed

Crown class: ☒ dominant ☐ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 75 % **Age class:** ☐ young ☐ mature ☒ over-mature

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ none

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ other

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☒ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor **Twig Dieback?** Y N

Callus development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☒ average ☐ fair ☐ poor

Major pests/diseases: _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ _____

Landscape type: ☐ parkway ☐ raised bed ☐ container ☒ open ☐ _____

Irrigation: ☐ none ☒ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

TARGET

Use Under Tree: ☒ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features

Can target be moved? Y (N)

Occupancy: ☐ occasional use ☐ medium, intermittent use ☒ frequent use

Specimen: TREE HAZARD EVALUATION FORM, Page 1

TREE DEFECTS

Rate defect severity: **S** severe defect, high potential for failure

M defect of moderate severity

L defect of low severity

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural **Soil heaving:** Y N

Decay in plane of lean: Y N Roots exposed: Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** S M L

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk present:** Y (N) **ID:** _____

Exposed roots: S M L **Undermined:** S M L

Root pruned: _____ ft from trunk **Root area affected:** _____ % **Buttress wounded:** Y N **When:** _____

Restricted root area: S M (L) **Potential for root failure:** S M (L)

CROWN DEFECTS:

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Codominants/forks			X	
Multiple attachments				
Included bark			X	
Excessive end weight				
Cracks/Splits				
Hangers				
Girdling				
Wounds				
Decay	X			
Cavity	X			
Conks/Mushrooms	•			
Bleeding				
Loose/cracked bark	X	X	X	
Nesting hole/bee hive	X	X	X	
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls				
Previous failure				

HAZARD RATING

Part most likely to fail: _____

Failure Potential: 1 (2) 3 **Size of Part:** 1 2 (3) **Target:** 1 2 (3) **Hazard Rating:** 1 2 3 4 5 6 7 8 9

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: Y N **Replace?** Y N **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

COMMENTS

Sonda Pressler

Specimen: TREE HAZARD EVALUATION FORM, Page 2