



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

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 6719 Devon Ave SE
 Map/Location: Salem, OR 97306
 Owner: public ☐ private ☒ unknown ☐ other ☐
 Date: 8-23-2021 Inspector: Austin Cohn SO-10036A
 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 #: _____ Species: wild cherry tree
 DBH: 34" # of trunks: 2 Height: 45' Spread: 20'
 Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed
 Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed
 Live crown ratio: 30 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent
 Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced
☒ none ☐ multiple pruning events Approx. dates: _____
 Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

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
 Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none
 Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor
 Major pests/diseases: _____

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables
☐ curb/pavement ☐ guards
☒ other Ivy covered

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☒ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest
 Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break
 Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted
 Recent site disturbance? ☒ Y ☐ N ☒ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing
 % dripline paved: 0% 10-25% 25-50% 50-75% 75-100% Pavement 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
☒ clay ☐ expansive ☐ slope _____° aspect: _____
 Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____
 Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow
 Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☒ building ☐ parking ☒ traffic ☐ pedestrian ☐ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines
 Can target be moved? Y ☒ N Can use be restricted? Y ☒ N
 Occupancy: ☐ occasional use ☐ intermittent use ☒ frequent use ☐ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: ☒ Y ☐ N Mushroom/conk/bracket present: ☒ Y ☐ N ID: _____

Exposed roots: ☐ severe ☐ moderate ☒ low Undermined: ☐ severe ☐ moderate ☒ low

Root pruned: _____ distance from trunk Root area affected: 10 % Buttress wounded: Y ☒ N When: _____

Restricted root area: ☐ severe ☐ moderate ☒ low Potential for root failure: ☒ severe ☐ moderate ☐ low

LEAN: 20 deg. from vertical ☒ natural ☐ unnatural ☐ self-corrected Soil heaving: ☒ Y ☐ N

Decay in plane of lean: ☒ Y ☐ N Roots broken Y ☒ N Soil cracking: ☒ Y ☐ N

Compounding factors: Lots of soil erosion, in a heavily saturated area Lean severity: ☐ severe ☒ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper	S	M	M	
Bow, sweep				
Codominants/forks	S	S	S	
Multiple attachments				
Included bark		S	S	
Excessive end weight				
Cracks/splits		M		
Hangers				
Girdling	S			
Wounds/seam				
Decay		M		
Cavity				
Conks/mushrooms/bracket	M	M		
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs				
Borers/termites/ants				
Cankers/galls/burrs				
Previous failure				

HAZARD RATING

Tree part most likely to fail: codominant at base

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 3 + 3 = 9

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm);

3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use;

3 - frequent use; 4 - constant use

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

Notification: ☒ owner ☐ manager ☐ governing agency Date: _____

COMMENTS tree is girdled by overgrown Ivy causing tip die back