

* = required field
[] = can select more than one
O = select only one

Host tree species *
DBH* in Height ft Age years

Setting

- OCampground OPicnic area OTrailhead OBoat launches
OInterpretive areas OSki areas ORoad side (rural) OUtility right-of-way
OOther forest site

Site name Unit #

FAILURE TYPE* (select one)

OTRUNK FAILURE

Trunk Failure Specifics

Height of failure above grade* ft
Dia. at break (inside bark)* in

Defects Associated with Failure

- None Unknown
Failed portion dead
Decay Canker
Codominant/Multiple stems
Included Bark
Corrected lean
Uncorrected lean
Cracks in wood - horizontal
Cracks in wood - vertical
Lightning Injury
Animal Injury
Fire Injury
Insect Injury
Mechanical Injury
Girdling wire, etc.

Location of Decay

HEARTWOOD
Avg. sound wood thickness in
Opening (cavity) at failure
Yes, trunk circ. % No
SAPWOOD
Avg. depth of rot in
Circumference rotted %

Type of Decay

Unknown Brown rot
Canker rot White rot
Conks/mushrooms/other signs
None/unknown/name
Distance from conk to failure ft

Type of Canker

Canker species
Trunk circumference %

OBRANCH FAILURE

Branch Failure Specifics

Dia. at break (inside bark)* in
Total length failed branch ft
Break at attachment OYes ONo
If No, distance from the attachment to break ft

Defects Associated with Failure

- None Unknown
Failed portion dead
Decay Canker
Codominant/Multiple stems
Included Bark
Cracks in wood - horizontal
Cracks in wood - vertical
Lightning Injury
Animal Injury
Fire Injury
Insect Injury
Mechanical Injury
Girdling wire, etc.

Location of Decay

HEARTWOOD
Avg. sound wood thickness in
Opening (cavity) at failure
Yes, branch circ. % No
SAPWOOD
Avg. depth of rot in
Circumference rotted %

Type of Decay

Unknown Brown rot
Canker rot White rot
Conks/mushrooms/other signs
None/unknown/name
Distance from conk to failure ft

Type of Canker

Canker species
Branch circumference %

OROOT FAILURE

Root Failure Specifics*

- Roots broken and/or decayed
Dia. of largest broken root* in
Distance from trunk to break* ft
Condition of broken roots
Dead: Ono decay Odecay
Live: Ono decay Odecay
OUnknown
Roots cut/severed (no decay/break)
Dia. of largest cut root at cut* in
Distance from trunk to cut* ft
Roots cut %
Root plate lifted out of ground
Root plate radius* ft
Root plate depth* in
Root restricted due to
Natural Feature Other*
Distance from trunk to restriction* ft
Root zone restricted %
Root collar girdled OYes ONo
Circumference girdled %

Type of Decay

Roots decayed %
Conks/mushrooms/other signs
No/unknown/or Name
Avg. sound wood thickness in
Rot type: OUnknown OBrown OWhite

Site/Soils Conditions

Soil composition OSand OSilt OLoam
OClay ORock/gravel OUnknown
Soil moisture at time failure OUnknown
ODry OFlooded OMoist OSaturated
Restricted rooting depth due to
None Compacted High water table
Other Poor drainage Shallow soil
Unknown

Other Site Conditions None
Compaction Fill soil against trunk
Grade change Soil eroded
Depth of excess soil in

Defects Associated with Failure

- None Unknown
Fire scar/injury Basal wound
Corrected lean
Uncorrected lean Animal Injury
Cracks in trunk prior to failure
Surface roots Root collar wounded

ADDITIONAL INFORMATION

Were defects associated with failure visible before failure?

- Yes No Unknown

At time of failure the tree was...

- Dead Declining Alive Unknown

Were trees recently removed in vicinity of failed tree?

- Yes No Unknown

Is there a history of prior failures at site?

- Yes No Unknown

Month of failure _____ Year of failure _____

Aspect:

- Not applicable/Flat N NE E SE S SW W NW

Slope:

- No slope ≤5° 5-15° 15-30° 30-45° >45°

Above average wind Yes No Unknown

Precipitation: None Rain Snow Ice Unknown

Why did this failure occur?

RESULT OF TREE FAILURE

- None (No damage other than the failure) Property damage Personal injury
- Fire Power outage Removal of this tree Loss of other trees Other damage

Property damage estimate \$ _____ Cleanup costs \$ _____

Additional comments (injury, target, damage, etc.)

Your name _____ Date _____