



Basic Tree Risk Assessment Form

Client LIFESTYLE DEVELOPMENT LLC Date 3/27/2025 Time 4:12PM
Address/Tree location 2910 JASPER BLVD., SULLIVAN'S ISLAND SC Tree no. 1 Sheet 1 of 2
Tree species PECAN (CARYA ILLINOINENSIS) dbh 16.5+16"+12" Height 55 ft Crown spread dia. 55 ft
Assessor(s) GERALD J BENOIT Time frame IMMINENT Tools used DBH TAPE, METAL PROBE, 12" KNIFE

Target Assessment

| Target number | Target description | Target zone | | | Occupancy rate 1-rare 2-occasional 3-frequent 4-constant | Practical to move target? | Restriction practical? |
|---------------|--------------------------|-------------------------|-----------------------|-------------------------|--|---------------------------|------------------------|
| | | Target within drip line | Target within 1 x Ht. | Target within 1.5 x Ht. | | | |
| 1 | DRIVEWAY | ✓ | ✓ | ✓ | 3 | NO | NO |
| 2 | CONTRACTORS AND VEHICLES | ✓ | ✓ | ✓ | 3 | NO | NO |
| 3 | HUMAN ACTIVITY | ✓ | ✓ | ✓ | 3 | NO | NO |
| 4 | | | | | | | |

Site Factors

History of failures multiple storm broken branches Topography Flat ☒ Slope ☐ % Aspect

Site changes None ☐ Grade change ☒ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☒ Pavement over roots ☐ % Describe existing driveway

Prevailing wind direction E/NE Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☐ Describe

Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☒ None (dead) ☐ Normal % Chlorotic % Necrotic %

Pests some insect activity in decayed sections of this tree Abiotic none

Species failure profile Branches ☒ Trunk ☒ Roots ☐ Describe codominant stems with included bark, ongoing decay.

Load Factors

Wind exposure Protected ☐ Partial ☒ Full ☐ Wind funneling ☐ Relative crown size Small ☐ Medium ☒ Large ☐

Crown density Sparse ☒ Normal ☐ Dense ☐ Interior branches Few ☒ Normal ☐ Dense ☐ Vines/Mistletoe/Moss ☐

Recent or planned change in load factors none

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown ☐ LCR %
Dead twigs/branches ☒ 2 % overall Max. dia. 2"
Broken/Hangers Number few Max. dia. 1.5"
Over-extended branches ☒
Cracks ☒ supplied photos Lightning damage ☐
Codominant ☒ supplied photos Included bark ☒
Weak attachments ☒ supplied photos Cavity/Nest hole 30 % circ.
Previous branch failures ☒ Similar branches present ☒
Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐
Conks ☐ Heartwood decay ☒ between codominant stem
Flush cuts ☒ Other Response growth

Main concern(s) codominant limbs with weak attachments and ongoing decay

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☒

— Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐
Codominant stems ☒ Included bark ☒ Cracks ☒
Sapwood damage/decay ☒ Cankers/Galls/Burls ☐ Sap ooze ☐
Lightning damage ☐ Heartwood decay ☒ Conks/Mushrooms ☐
Cavity/Nest hole 2 % circ. Depth 12" Poor taper ☐
Lean ° Corrected?
Response growth
Main concern(s) visible splits with codominant attachments

Load on defect N/A ☐ Minor ☐ Moderate ☒ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☒

— Roots and Root Collar —

Collar buried/Not visible ☐ Depth Stem girdling ☐
Dead ☐ Decay ☐ Conks/Mushrooms ☐
Ooze ☐ Cavity ☐ % circ.
Cracks ☐ Cut/Damaged roots ☐ Distance from trunk
Root plate lifting ☐ Soil weakness ☐
Response growth
Main concern(s) n/a

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☐

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☐

Risk Categorization

| Condition number | Tree part | Conditions of concern | Part size | Fall distance | Target number | Target protection | Likelihood | | | | | | | | | | | | Consequences | | | | Risk rating of part (from Matrix 2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | Failure | | | | Impact | | | | Failure & Impact (from Matrix 1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Improbable | Possible | Probable | Imminent | Very low | Low | Medium | High | Unlikely | Somewhat | Likely | Very likely | Negligible | Minor | Significant | Severe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | trunk | codominant stems visible splits and ongoing decay | 44" | 55ft | 1 | n/a | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> | 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Matrix 1. Likelihood matrix.

| Likelihood of Failure | Likelihood of Impacting Target | | | |
|-----------------------|--------------------------------|-----------------|-----------------|-----------------|
| | Very low | Low | Medium | High |
| Imminent | Unlikely | Somewhat likely | Likely | Very likely |
| Probable | Unlikely | Unlikely | Somewhat likely | Likely |
| Possible | Unlikely | Unlikely | Unlikely | Somewhat likely |
| Improbable | Unlikely | Unlikely | Unlikely | Unlikely |

Matrix 2. Risk rating matrix.

| Likelihood of Failure & Impact | Consequences of Failure | | | |
|--------------------------------|-------------------------|----------|-------------|----------|
| | Negligible | Minor | Significant | Severe |
| Very likely | Low | Moderate | High | Extreme |
| Likely | Low | Moderate | High | High |
| Somewhat likely | Low | Low | Moderate | Moderate |
| Unlikely | Low | Low | Low | Low |

Notes, explanations, descriptions This tree has codominant stems with included bark and ongoing decay. Numerous targets will be constant when this new home is being built. If a branch failure should occur, damages would be significant.

Mitigation options N/A

Residual risk _____

Residual risk _____

Residual risk _____

Residual risk _____

Overall tree risk rating Low ☐ Moderate ☐ High ☐ Extreme ☒

Work priority 1 ☐ 2 ☐ 3 ☐ 4 ☐

Overall residual risk Low ☐ Moderate ☐ High ☐ Extreme ☒

Recommended inspection interval _____

Data ☒ Final ☐ Preliminary **Advanced assessment needed** ☐ No ☐ Yes-Type/Reason _____

Inspection limitations ☒ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe _____