**INTERNATIONAL TREE FAILURE DATABASE - REPORT FORM**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TRUNK FAILURE</strong></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>FAILURE TYPE</strong> (select one)</td>
<td></td>
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<tr>
<td>-</td>
<td></td>
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<tr>
<td><strong>ROOT FAILURE</strong></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>3 Root Failure Specifics</strong> (select one)</td>
<td></td>
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</tbody>
</table>

**Defects Associated with Failure**

- None
- Failed portion dead
- Decay
- Canker Species:  
- Multiple trunks/codominant stems
- Dense Crown
- Flush cuts
- Topped
- One-Sided
- Low live crown ratio
- Included Bark
- Bow
- Crook
- Sweep/corrected lean
- Uncorrected lean
- Cracks in wood:  
  - Vertical
  - Horizontal
- Lightning Injury
- Animal Injury
- Fire Injury
- Insect Injury
- Mechanical Injury
- Girdling

**Location of Decay**

- HEARTWOOD  
  - Avg. sound wood thickness:  
  - In
  - Opening (cavity) at failure?  
  - Yes
  - No
  - Opening:  
  - % of branch cir.
- SAPWOOD  
  - Avg. depth of rot:  
  - In
  - Circumference rot:  
  - %

**Type of Decay**

- Unknown
- Brown rot
- Canker rot
- White rot

**4 Defects Associated with Failure**

- None
- Failed portion dead
- Decay
- Canker:
- Multiple trunks/codominant stems
- Dense Crown
- Heavy lateral limbs/Heavy ends
- Included bark
- Crock
- Filled portion is an epicormic branch
- Cracks in wood
- Mistletoe or epiphyte
- Mechanical Injury
- Lightning Injury
- Insect Injury
- Animal Injury
- Canker/Gall

**Location of Decay**

- HEARTWOOD  
  - Avg. sound wood thickness:  
  - In
  - Opening (cavity) at failure?  
  - Yes
  - No
  - Opening:  
  - % of branch cir.
- SAPWOOD  
  - Avg. depth of rot:  
  - In
  - Circumference rot:  
  - %

**Type of Decay**

- Unknown
- Brown rot
- Canker rot
- White rot

**Defects associated with failure**

- None
- Failed portion dead
- Decay
- Canker:
- Multiple trunks/codominant stems
- Dense Crown
- Heavy lateral limbs/Heavy ends
- Included bark
- Crick
- Filled portion is an epicormic branch
- Cracks in wood
- Mistletoe or epiphyte
- Mechanical Injury
- Lightning Injury
- Insect Injury
- Animal Injury
- Canker/Gall

**Surface Treatment**

- Unknown
- Mulch
- Bare soil
- Turf
- Ground cover
- Natural forest litter
- Gravelrock
- Pavement
- Other

**Irrigation**

- Unknown
- Infrequent
- Frequent
- Never
### ADDITIONAL INFORMATION

#### Tree Condition and Pruning History

<table>
<thead>
<tr>
<th>Were the defects associated with failure visible before the tree failed?</th>
<th>PRUNING HISTORY</th>
</tr>
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<tbody>
<tr>
<td>○ Yes ○ No ○ Unknown</td>
<td>□ No pruning □ Cleaned □ Lions-tailed</td>
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<thead>
<tr>
<th>At time of failure the tree was:</th>
<th>□ Thinning:</th>
</tr>
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<tbody>
<tr>
<td>○ Dead ○ Declining ○ Alive</td>
<td>○ Proper ○ Excessive</td>
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<tr>
<th>Was there construction around this tree?</th>
<th>□ Reduction/Directional pruning:</th>
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<tr>
<td>○ Yes ○ No</td>
<td>○ Proper ○ Excessive</td>
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If Yes, when ___ years ago

#### PRUNING HISTORY

- **Pruning**:
  - Proper
  - Excessive

- **Reduction/Directional pruning**: Proper

- **Crown raised**: ___% of height

- **Topped Diameter of stub at cut**: ___ in.

#### Habitat Information

<table>
<thead>
<tr>
<th>Trees recently removed in the vicinity of the failed tree:</th>
<th>Setting</th>
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<tbody>
<tr>
<td>○ Yes ○ No</td>
<td>○ Forest ○ Picnic area ○ Commercial site / Institution ○ Street tree / Median-Urban ○ Road side - Rural</td>
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<tr>
<th>History of prior failures at site:</th>
<th>○ Picnic area ○ Trailhead ○ Other developed forest site ○ Commercial site / Institution ○ Street tree / Median-Urban ○ Road side - Rural</th>
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<th>History of prior failures at site:</th>
<th>Aspect</th>
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<tr>
<td>○ Yes ○ No</td>
<td>○ N ○ NE ○ E ○ SE ○ S ○ SW ○ W ○ NW ○ Not applicable / Flat</td>
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#### Date / Time of Failure

<table>
<thead>
<tr>
<th>Date / Season Unknown</th>
<th>Day / Season Unknown</th>
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<td>□ Date / Season Unknown</td>
<td>○ Date / Season Unknown</td>
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<tr>
<th>Date of failure (Mo/Day/Yr):</th>
<th>OR</th>
<th>Year ___</th>
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<table>
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<tr>
<th>Time of failure hour</th>
<th>Season of failure</th>
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<tr>
<td>○ A.M. ○ P.M. ○ Unknown</td>
<td>○ Spring ○ Summer ○ Fall ○ Winter</td>
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#### WEATHER AND OTHER FORCES AT TIME OF FAILURE

<table>
<thead>
<tr>
<th>Temperature (approx.)</th>
<th>°F</th>
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<table>
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<tr>
<th>Wind speed (approx.)</th>
<th>mph</th>
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<tr>
<th>Precipitation</th>
<th>○ None ○ Rain ○ Snow ○ Ice ○ Unknown</th>
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#### CAUSE / RESULT OF TREE FAILURE

Why did this failure occur?

<table>
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<tr>
<th>Result of tree failure:</th>
<th>Property damage</th>
<th>Personal injury</th>
<th>Fire</th>
<th>Power outage</th>
<th>Removal of this tree</th>
<th>Loss of other trees</th>
<th>Other damage</th>
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<td>□ None (No damage other than the failure described)</td>
<td>○ Property damage ○ Personal injury ○ Fire ○ Power outage ○ Removal of this tree ○ Loss of other trees ○ Other damage</td>
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**Property damage estimate $ ____ (US) Cleanup costs $ ____ (US)** If personal injury describe below.

**Additional Comments (injury, target, damage, etc.):**

Cooperator name________________________City_____________________e-mail________________________date__________________

Please enter data at [http://syneic8tsfed.us/natdb](http://syneic8tsfed.us/natdb) and copy and mail to:

CTFRP, PO Box 725, Larkspur CA, 94977-0725 or treefall@mac.com