

Tree and Plant Injury Report Form

Date: _____ Sheet _____ of _____

PLEASE NOTE: Monitor/witness information is for data verification ONLY and will remain private. If you have a Gmail account you can upload your form and photos using the online database at: www.prairierivers.org/report Otherwise, email form and photos to monitoring@prairierivers.org

Observer: First Name: _____ Last Name: _____

Address: _____ City: _____ Zip: _____

Phone: _____ Email: _____ Witness: _____

Site ID: _____ Subunit: _____ County: _____

Visit Planned? [] yes [] no Visit #: _____ GPS (Lat/Long) in Decimal Degrees: N _____ W _____

GPS point in relation to sample area: _____

Species and Injury Observed: At least one indicative symptom (**bolded**) under Symptoms must be present (checked), otherwise injury is "0". If multiple species are affected, data from at least two plant families (e.g., oak, redbud) are preferable. Use back of form and notes to record additional affected species.

	Species 1 photo { }	Species 2 photo { }	Species 3 photo { }
Common (or scientific) name			
approx. number observed			
% foliage affected: 1-25, 26-50, 51-75, 76-100			
average and range of injury			
SYMPTOMS – Mark "X" if Present	-----	-----	-----
Leaves: curled or cupped			
sideways or upside down (epinasty)			
irregular margins			
strapped			
tattered			
twisted, deformed, and/or stunted			
veins bleached and/or parallel			
Shoots: elongated, coiled, and/or bent			
growth suppressed and deformed			
Leaves: chlorotic (yellowed)			
necrotic (brown/black areas)			
2 nd growth			
Trees: epicormic branching			
dieback			
death			

Notes: Any additional notes. (e.g., other affected species, known sensitive species NOT affected, insect damage, severe drought present, etc.)

Layers: Check for affected layers, strikethrough if layer is absent: [] Overstory [] Understory [] Ground layer

Geographic Extent of Observed Injury: (check and complete only one with "best-fit")

[] **LARGE** (>1 acre) Type: _____ (e.g., upl. forest) Approx: sampled acres _____ affected acres _____

[] **SMALL** (<1 acre) Type: _____ (e.g., yard, school, park) Approx. # trees affected _____

[] **LINEAR** Type: _____ (e.g., fencerow, edge of woods) Approx. length _____ (indicate ft or miles)

OPTIONAL Injury Pattern and Land Use: Record injury pattern and land use data on Page 2 of form, (see guidelines).

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Species and Injury Observed Continued:

	Species 4 photo { }	Species 5 photo { }	Species 6 photo { }
Common (or scientific) name			
approx. number observed			
% foliage affected: 1-25, 26-50, 51-75, 76-100			
average and range of injury			
SYMPTOMS – Mark “X” if Present	-----	-----	-----
Leaves: curled or cupped			
sideways or upside down (epinasty)			
irregular margins			
strapped			
tattered			
twisted, deformed, and/or stunted			
veins bleached and/or parallel			
Shoots: elongated, coiled, and/or bent			
growth suppressed and deformed			
Leaves: chlorotic (yellowed)			
necrotic (brown/black areas)			
2 nd growth			
Trees: epicormic branching			
dieback			
death			

OPTIONAL Injury Pattern and Land Use Information: _____

GPS Guidance: You can obtain GPS points from a GPS unit in the field or Google Earth later. GPS data in degrees/minutes/seconds format can be converted to decimal degrees using free online converters.

Injury Levels

0 = none observed

1, 2 = slight

3, 4 = light

5, 6 = moderate

7, 8 = severe

9, 10 = extreme

Layers

Overstory = > 30'

Understory = 10-30'

Ground = < 10'

Symptoms

- Curling or Cupping (leaf edges up or down)/or whole leaf curled)
- Irregular margins (abnormal scalloped, pointed, or wavy edges)
- Epinasty (leaf petioles twisted; blades sideways or upside down)
- Strapping (abnormal leaf lengthening)
- Tatters (blade tissue missing at edge and/or between veins)
- Twisted, deformed &/or stunted (blade twisted, lobes irregular, surface irregular, or leaf stunted.)
- Shoot elongated, coiled, or bent (generally most visible at leaf out, often many co-occurring leaf symptoms)
- Shoot growth suppressed and deformed (failure to fully develop, usually many co-occurring leaf symptoms)
- Chlorotic (yellowish, whitish leaves)
- Necrotic (browning/blackening - often at leaf edges)
- Epicormic branching (twig bunches sprouting from large branches or trunk)
- Death (whole tree death after leaf out)
- Dieback (whole branches dead after leaf out)
- Second growth (new leaf growth at twig end emerging after 1st leaf flush; may be normal or injured, especially oak)