

## Key Elements of Pre-Disaster Inventories

### Check List to Support FEMA PA Reimbursement for Downed and Damaged Trees

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1. Document spatial location on maintained/managed public property
  - GIS feature layer of the area or tree location
  - GIS feature layer of publicly owned property
  - Geotagged photo(s), or ground-based or drone video (Specific documentation)
  - Identify the public facility
    - Specific park
    - Recreational facility
    - Trail or trail system
    - Greenways or green infrastructure networks
    - Water Control (i.e., stormwater) Facility
    - Other “systems”
2. Indicate the FEMA Water Control Facility purpose/function (if applicable)
  - Erosion prevention
  - Maintenance of wildlife habitat
  - Recreation
  - Stormwater management (e.g. stormwater BMPs)
  - Water supply watershed (Public Facility)
3. Document eligible areas that are managed/maintained
  - Riparian zones
  - Soil and vegetation – condition (relative to function)
  - Photograph (or drone video) – Capture canopy extent and condition, understory condition, and include fixed reference points

Maintenance history and standards (e.g. invasive control, erosion mitigation, trail and access maintenance)

4. Document individual trees (necessary to restore the function of the facility) and include geo-referenced photographs in areas where that is appropriate

Basic tree attributes related to infrastructure role

- Species
- Diameter at 4.5' (i.e. DBH)
- Crown dimensions
- Maintenance history

Document condition of the trees

- Structural (i.e. roots, trunk, scaffold limbs)
- Health
  - Foliage (e.g. color, density appropriate for species)
  - Twig/branch dieback
  - Fruiting bodies
  - Other decline indicator(s)

Document defects

Pre- and post-disaster photographs or high resolution aerial images may be useful in documenting your claim.