



Tree Inventory Data Sheet



A program of American Forests. http://americanforests.org/envir_edu/materials.php

Student Name: _____ Study Site: _____

Group Name: _____ Verification: _____ Date: _____

Tree ID# _____

Species: _____

Understory (Circle one) -

- Impervious** [including all paved and unpaved surfaces (concrete, asphalt, bare soil, and compacted gravel)],
- Grass** (including grass groundcover),
- Forest Litter** (leaves, twigs, flower, fruit and other natural tree droppings)

Diameter at Breast Height (DBH) inches

Circumference (in) _____ / Pi 3.14 = _____ inches in diameter

Height

Using the clinometer locate the top of the object through the sight. Keep the level bubble centered. This creates a 45 degree angle from the tree. Measure the distance from you to the base of the tree = (D). Measure your height to eye level = (H). Height of Tree = D + H.

D(ft) _____ + H(ft) _____ = _____ feet Height Class = _____

Height Class
1 = <25 feet
2 = 25-45 feet
3 = >45 feet

Health _____

Evaluate overall tree health by inspecting the tree's crown, trunk, and roots. Look for exposed roots, missing bark, decay, or unbalanced foliage as signs of an unhealthy tree. Select a rating below after completing the worksheet on the other side of the paper.

- 5 = Excellent
- 4 = Good
- 3 = Fair
- 2 = Poor
- 1 = Dead

Condition _____

Make a determination of growing condition based upon your knowledge of the site characteristics and the individual tree's growth preferences (if known). Select a rating below after completing the worksheet on the other side of the paper.

- 3 = Good
- 2 = Fair
- 1 = Poor



Tree Inventory Data Sheet (con't)

Health Class Worksheet

To evaluate the condition of the tree, look at it carefully. Be sure to walk all the way around the tree and observe it from a distance when looking at the canopy. Place a check mark in the appropriate column for each potential problem area. When you have finished, complete the bottom portion of the data table to determine an overall point total for the tree. Based on scale at the bottom of the table, circle the **health class rating** here and on the front of the data sheet.

Problem	Not Evident	Very little	Moderate	Extensive
Trunk				
Missing bark				
Decay				
Leaning				
Cracks				
Holes/Pest damage				
Wounds/injury				
Roots				
Visible decay				
Wounds/injury				
Crown				
Dieback				
Insufficient crown				
Broken branches				
Lack of balance				
Total # of Checks				
Sub-totals	Total x 0 = 0	Total x 1 =	Total x 2 =	Total x 3 =

Overall Point Total = _____

Dead/Dying	Poor	Fair	Good	Excellent
> 20	15 - 19	10 - 14	5 - 9	0 - 4

Growing Conditions Worksheet

Place a check mark in the appropriate column for each potential problem area. When you have finished, complete the bottom portion of the data table to determine an overall point total for the tree. Based on scale at the bottom of the table, circle the **growing condition rating** here and on the front of the data sheet.

Condition	Not Evident	Very little	Moderate	Extensive
Insufficient space				
Ground cover problems				
Close to roadway				
Competing undergrowth				
Total # of Checks				
Sub-totals	Total x 0 = 0	Total x 1 =	Total x 2 =	Total x 3 =

Overall Point Total = _____

Poor	Fair	Good
< 7	4 - 7	0 - 3