

Trunk Formula Method Worksheet Guide for Plant Appraisal, 9th Edition

Case # _____ Property _____ Date _____
Appraiser _____

Field Observations

1. Species _____
2. Condition _____%
3. Trunk Circumference _____ in/cm Diameter _____ in/cm
4. Location% = [Site ____% + Contribution ____% + Placement ____%] / 3 = ____%

Regional Plant Appraisal Committee and/or Appraiser-Developed Modified Information

5. Species rating _____%
6. Replacement Tree Size (diameter) _____ in/cm
(trunk area) _____ in²/cm² = TA_R
7. Replacement Tree Cost \$ _____
(see Regional Information to use Cost selected)
8. Installation Cost \$ _____
9. Installed Tree Cost (#7 + #8) \$ _____
10. Unit Tree Cost \$ _____ per in²/cm²
(see Regional Information to use Cost selected)

Calculations by Appraiser Using Field and regional Information

11. Appraised Trunk Area:
(TA_A or ATA_A; use Tables 4.4-4.7)
Or c² _____ x 0.080
Or d² _____ x 0.785 } = _____ in² or cm²
12. Appraised Tree Trunk Increase = TA_{INCR} =
TA_A or ATA_A _____ in²/cm² (#11) - TA_R _____ in²/cm² (#6) = _____ in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) _____ in²/cm² X Unit Tree Cost (#10) \$ _____ per in²/cm² + Installed Tree Cost (#9) \$ _____ = \$ _____
14. Appraised Value = Basic Tree Cost (#13) \$ _____ X Species rating (#5) _____% X Condition (#2) _____% X Location (#4) _____% = \$ _____
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less, round to nearest \$10.
16. Appraised Value = (#14) \$ _____