

Trunk Formula Method

3 TREES

Case # 1,8,10 Property 1501 HAMMONVILLE ROAD Date 3 JULY 2017
Appraiser BRUCE CUMMINGS, LANDSCAPE ARCHITECT

Field Observations

1. Species PINUS ELLIOTTII / SLASH PINE
2. Condition 80 %
3. Trunk Circumference — in./cm Diameter 16 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 80 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 128 in²/cm² TA_R
7. Replacement Tree Cost \$400
(see Regional Information to use Cost selected)
8. Installation Cost \$100
9. Installed Tree Cost (#7 + #8) \$500
10. Unit Tree Cost \$17.86 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 (#3) — x 0.08
or d² (#3) 256 x 0.785 = 201 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A or ATA_A 201 in²/cm² (#11) - TA_R 128 in²/cm² (#6) = 173 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 173 in²/cm² x Unit Tree Cost (#10) \$17.86
per in²/cm² + Installed Tree Cost (#9) \$500 = \$3590
14. Appraised Value = Basic Tree Cost (#13) \$3590 x Species rating
(#5) 80 % x Condition (#2) 80 % x Location (#4) 70 % = \$1609
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$1609

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 2 Property _____ Date _____
Appraiser _____

Field Observations

1. Species FICUS AUREA/STRANGLER FIG
2. Condition 85 %
3. Trunk Circumference _____ in./cm Diameter 30 in./cm
4. Location % = [Site 80 % + Contribution 70 % + Placement 80 %] + 3 = 77 %

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

5. Species rating 85 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$350
(see Regional Information to use Cost selected)
8. Installation Cost \$100
9. Installed Tree Cost (#7 + #8) \$450
10. Unit Tree Cost \$16 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 (#3) _____ x 0.08 }
or d² (#3) 900 x 0.785 = 707 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 707 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 679 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 679 in²/cm² x Unit Tree Cost (#10) \$16
per in²/cm² + Installed Tree Cost (#9) \$450 = \$11314
14. Appraised Value = Basic Tree Cost (#13) \$11314 x Species rating
(#5) 85 % x Condition (#2) 85 % x Location (#4) 77 % = \$6295
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$6305

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 3 Property _____ Date _____
Appraiser _____

Field Observations

1. Species PINUS ELLIOTTII / SLASH PINE
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 22 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 80 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
(see Regional Information to use Cost selected)
8. Installation Cost \$ 100
9. Installed Tree Cost (#7 + #8) \$ 500
10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08
or d² (#3) 484 x 0.785 = 380 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 380 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 352 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 352 in²/cm² x Unit Tree Cost (#10) \$ 6287
per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 6787
14. Appraised Value = Basic Tree Cost (#13) \$ 6787 x Species rating
(#5) 80 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 2661
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 2671

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE

Case # 5 Property _____ Date _____

Appraiser _____

Field Observations

1. Species DINUSELLIOTTII/SLASH PINE

2. Condition 70 %

3. Trunk Circumference _____ in./cm Diameter 18 in./cm

4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 80 %

6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R

7. Replacement Tree Cost \$ 400

(see Regional Information to use Cost selected)

8. Installation Cost \$ 100

9. Installed Tree Cost (#7 + #8) \$ 500

10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08

or d² (#3) 324 x 0.785 = 255 in²/cm²

12. Appraised Tree Trunk Increase (TA_{INCR}) =

TA_A, or ATA_A 255 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 227 in²/cm²

13. Basic Tree Cost = TA_{INCR} (#12) 227 in²/cm² x Unit Tree Cost (#10) \$ 17.86
per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 4555

14. Appraised Value = Basic Tree Cost (#13) \$ 4555 x Species rating

(#5) 80 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 1786

15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.

16. Appraised Value = (#14) \$ 1790

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 6 Property _____ Date _____
Appraiser _____

Field Observations

1. Species SABAL PALMETTO/PALMETTO PALM
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 16 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 70 %
6. Replacement Tree Size (diameter) 12 in./cm
(Trunk Area) 113 in²/cm² T_{AR}
7. Replacement Tree Cost \$ 100
(see Regional Information to use Cost selected)
8. Installation Cost \$ 75
9. Installed Tree Cost (#7 + #8) \$ 175
10. Unit Tree Cost \$ 1.55 per in²/cm²
(see Regional Information to use Cost selected)

Calculations by Appraiser using Field and Regional Information

11. Appraised Trunk Area:
(T_{AA} or ATA_{AA}; use Tables 4.4-4.7)
or c² (#3) _____ x 0.08
or d² (#3) 256 x 0.785 = 201 in²/cm²
12. Appraised Tree Trunk Increase (T_{A_{INCR}}) =
T_{AA}, or ATA_{AA} 201 in²/cm² (#11) - T_{AR} 113 in²/cm² (#6) = 88 in²/cm²
13. Basic Tree Cost = T_{A_{INCR}} (#12) 88 in²/cm² x Unit Tree Cost (#10) \$ 1.55
per in²/cm² + Installed Tree Cost (#9) \$ 175 = \$ 211
14. Appraised Value = Basic Tree Cost (#13) \$ 211 x Species rating
(#5) 70 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 73
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 70

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TRE
 Case # 7 Property _____ Date _____
 Appraiser _____

Field Observations

1. Species PINUS ELLIOTII / SLASH-PINE
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 8 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 70 %
6. Replacement Tree Size (diameter) 6 in./cm
 (Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
 (see Regional Information to use Cost selected)
8. Installation Cost \$ 100
9. Installed Tree Cost (#7 + #8) \$ 500
10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08
 or d² (#3) 64 x 0.785 = 50 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
 TA_A, or ATA_A 50 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 22 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 22 in²/cm² x Unit Tree Cost (#10) \$ 17.86
 per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 893
14. Appraised Value = Basic Tree Cost (#13) \$ 893 x Species rating
 (#5) 70 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 307
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 310

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 9 Property _____ Date _____
Appraiser _____

Field Observations

1. Species PINUS ELLIOTTII / SLASH PINE
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 12 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 70 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
(see Regional Information to use Cost selected)
8. Installation Cost \$ 100
9. Installed Tree Cost (#7 + #8) \$ 500
10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08
or d² (#3) 144 x 0.785 = 113 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 113 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 85 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 85 in²/cm² x Unit Tree Cost (#10) \$ 17.86
per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 2018
14. Appraised Value = Basic Tree Cost (#13) \$ 2018 x Species rating
(#5) 70 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 692
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 690

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 11 Property _____ Date _____
Appraiser _____

Field Observations

1. Species SWIETENIA MAHOGANI/MAHOGANY
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 24 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = _____ %

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

5. Species rating 85 %
6. Replacement Tree Size (diameter) 10 in./cm
(Trunk Area) 78.5 in²/cm² TA_R
7. Replacement Tree Cost \$ 1500
(see Regional Information to use Cost selected)
8. Installation Cost \$ 200
9. Installed Tree Cost (#7 + #8) \$ 1700
10. Unit Tree Cost \$ 19.1 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 (#3) _____ x 0.08
or d² (#3) 576 x 0.785 = } 452 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 452 in²/cm² (#11) - TA_R 78.5 in²/cm² (#6) = 374 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 374 in²/cm² x Unit Tree Cost (#10) \$ 19.1
per in²/cm² + Installed Tree Cost (#9) \$ 1700 = \$ 8844
14. Appraised Value = Basic Tree Cost (#13) \$ 8844 x Species rating
(#5) 85 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 3684
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 3680

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE

Case # 12 Property _____ Date _____

Appraiser _____

Field Observations

1. Species PINUS ELLIOTTII / SLASH PINE
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 20 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 80 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
(see Regional Information to use Cost selected)
8. Installation Cost \$ 100
9. Installed Tree Cost (#7 + #8) \$ 500
10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08
or d² (#3) 400 x 0.785 = } 314 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 314 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 286 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 286 in²/cm² x Unit Tree Cost (#10) \$ 17.86
per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 5608
14. Appraised Value = Basic Tree Cost (#13) \$ 5608 x Species rating
(#5) 80 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 2199
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 2200

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE
Case # 13 Property _____ Date _____
Appraiser _____

Field Observations

1. Species DINUS ELLIOTTII / SLASH PINE
2. Condition 80 %
3. Trunk Circumference _____ in./cm Diameter 26 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 80 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
(see Regional Information to use Cost selected)
8. Installation Cost \$ 100
9. Installed Tree Cost (#7 + #8) \$ 500
10. Unit Tree Cost \$ 17.86 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 (#3) _____ x 0.08
or d² (#3) 676 x 0.785 = } 531 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 531 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 503 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 503 in²/cm² x Unit Tree Cost (#10) \$ 17.86
per in²/cm² + Installed Tree Cost (#9) \$ 500 = \$ 9484
14. Appraised Value = Basic Tree Cost (#13) \$ 9484 x Species rating
(#5) 80 % x Condition (#2) 80 % x Location (#4) 70 % = \$ 4249
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 4250

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREES

Case # 14,16 Property _____ Date _____

Appraiser _____

Field Observations

1. Species MANIGIFERA INDICA/MANGO
2. Condition 80 %
3. Trunk Circumference _____ in./cm Diameter 18 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] + 3 = 70 %

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

5. Species rating 60 %
6. Replacement Tree Size (diameter) 12 in./cm
(Trunk Area) 113 in²/cm² TA_R
7. Replacement Tree Cost \$ 600
(see Regional Information to use Cost selected)
8. Installation Cost \$ 300
9. Installed Tree Cost (#7 + #8) \$ 900
10. Unit Tree Cost \$ 7.96 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 (#3) _____ x 0.08

or d² (#3) 324 x 0.785 = 255 in²/cm²

12. Appraised Tree Trunk Increase (TA_{INCR}) =

TA_A, or ATA_A 255 in²/cm² (#11) - TA_R 113 in²/cm² (#6) = 142 in²/cm²

13. Basic Tree Cost = TA_{INCR} (#12) 142 in²/cm² x Unit Tree Cost (#10) \$ 7.96 per in²/cm² + Installed Tree Cost (#9) \$ 900 = \$ 2031

14. Appraised Value = Basic Tree Cost (#13) \$ 2031 x Species rating (#5) 60 % x Condition (#2) 80 % x Location (#4) 70 % = \$ 680

15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.

16. Appraised Value = (#14) \$ 680

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

AAC

PZ17-12000028

8/3/2021

Trunk Formula Method

TREE Case # 15 Property _____ Date _____
Appraiser _____

Field Observations

1. Species MANIGIFERA INDICA/MANGO
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 16 in./cm
4. Location % = [Site 70 % + Contribution 60 % + Placement 60 %] + 3 = 63.3 %

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

5. Species rating 60 %
6. Replacement Tree Size (diameter) 12 in./cm
(Trunk Area) 113 in²/cm² TA_R
7. Replacement Tree Cost \$ 500
(see Regional Information to use Cost selected)
8. Installation Cost \$ 250
9. Installed Tree Cost (#7 + #8) \$ 750
10. Unit Tree Cost \$ 6.64 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 (#3) _____ x 0.08
or d² (#3) 256 x 0.785 = } 201 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 201 in²/cm² (#11) - TA_R 113 in²/cm² (#6) = 88 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 88 in²/cm² x Unit Tree Cost (#10) \$ 6.64
per in²/cm² + Installed Tree Cost (#9) \$ 750 = \$ 1333
14. Appraised Value = Basic Tree Cost (#13) \$ 1333 x Species rating
(#5) 60 % x Condition (#2) 70 % x Location (#4) 63.3 % = \$ 355
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 360

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE

Case # 17

Property _____

Date _____

Appraiser _____

Field Observations

1. Species MANIGIFERA INDICA / MANGO
2. Condition 60 %
3. Trunk Circumference _____ in./cm Diameter 24 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 60 %] + 3 = 66.7 %

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

5. Species rating 60 %
6. Replacement Tree Size (diameter) 12 in./cm
(Trunk Area) 113 in²/cm² TA_R
7. Replacement Tree Cost \$ 700
(see Regional Information to use Cost selected)
8. Installation Cost \$ 300
9. Installed Tree Cost (#7 + #8) \$ 1000
10. Unit Tree Cost \$ 8.85 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 (#3) _____ x 0.08
or d² (#3) 576 x 0.785 = 452 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A or ATA_A 452 in²/cm² (#11) - TA_R 113 in²/cm² (#6) = 339 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 339 in²/cm² x Unit Tree Cost (#10) \$ 8.85
per in²/cm² + Installed Tree Cost (#9) \$ 1000 = \$ 4000
14. Appraised Value = Basic Tree Cost (#13) \$ 4000 x Species rating
(#5) 60 % x Condition (#2) 60 % x Location (#4) 66.7 % = \$ 961
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 960

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

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PZ17-12000028

8/3/2021

Trunk Formula Method

TREE

Case # 20 Property _____ Date _____

Appraiser _____

Field Observations

1. Species PINUS ELLIOTTII / SLASH PINE
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 14 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 70 %] ÷ 3 = 70 %

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

5. Species rating 60 %
6. Replacement Tree Size (diameter) 6 in./cm
(Trunk Area) 28 in²/cm² TA_R
7. Replacement Tree Cost \$ 400
(see Regional Information to use Cost selected)
8. Installation Cost \$ 200
9. Installed Tree Cost (#7 + #8) \$ 600
10. Unit Tree Cost \$ 21.43 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 (#3) _____ x 0.08
or d² (#3) 196 x 0.785 = } 154 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 154 in²/cm² (#11) - TA_R 28 in²/cm² (#6) = 126 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 126 in²/cm² x Unit Tree Cost (#10) \$ 21.43
per in²/cm² + Installed Tree Cost (#9) \$ 600 = \$ 3300
14. Appraised Value = Basic Tree Cost (#13) \$ 3300 x Species rating
(#5) 60 % x Condition (#2) 70 % x Location (#4) 70 % = \$ 970
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 970

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

AAC

PZ17-12000028

8/3/2021

Trunk Formula Method

TREES

Case # 21, 22 Property _____ Date _____

Appraiser _____

Field Observations

1. Species MANIGIFERA INDICA/MANGO
2. Condition 70 %
3. Trunk Circumference _____ in./cm Diameter 24 in./cm
4. Location % = [Site 70 % + Contribution 70 % + Placement 60 %] + 3 = 66.7 %

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

5. Species rating 60 %
6. Replacement Tree Size (diameter) 12 in./cm
(Trunk Area) 113 in²/cm² TA_R
7. Replacement Tree Cost \$ 700
(see Regional Information to use Cost selected)
8. Installation Cost \$ 300
9. Installed Tree Cost (#7 + #8) \$ 1000
10. Unit Tree Cost \$ 8.85 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 (#3) _____ x 0.08
or d² (#3) 576 x 0.785 = 452 in²/cm²
12. Appraised Tree Trunk Increase (TA_{INCR}) =
TA_A, or ATA_A 452 in²/cm² (#11) - TA_R 113 in²/cm² (#6) = 339 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 339 in²/cm² x Unit Tree Cost (#10) \$ 8.85
per in²/cm² + Installed Tree Cost (#9) \$ 1000 = \$ 4000
14. Appraised Value = Basic Tree Cost (#13) \$ 4000 x Species rating
(#5) 60 % x Condition (#2) 60 % x Location (#4) 66.7 % = \$ 961
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less than \$5,000, round to the nearest \$10.
16. Appraised Value = (#14) \$ 960

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#7 divided by the Replacement Tree Size (#6)) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

AAC

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8/3/2021