

Composition and Structure of Individual Trees

Location: Springfield, Hampden, Massachusetts, United States of America

Project: Springfield Squares, Series: Parks, Year: 2018

Generated: 4/8/2019



| Tree ID | Species Name | DBH (in) | Height (ft) | Canopy Cover (ft²) | Tree Condition | Leaf Area (ft²) | Leaf Biomass (lb) | Leaf Area Index | Basal Area (ft²) | Street Tree | Native to State | Comments |
|---------|-------------------|-------------|----------------|-----------------------|----------------|--------------------|----------------------|-----------------|---------------------|-------------|-----------------|----------|
| 1 | Callery pear | 15.3 | 35.4 | 669.7 | GOOD | 2,414.8 | 37.0 | 3.6 | 1.3 | NO | NO | |
| 2 | Callery pear | 15.0 | 34.9 | 646.9 | GOOD | 2,334.7 | 35.8 | 3.6 | 1.2 | NO | NO | |
| 3 | Callery pear | 15.0 | 34.9 | 646.9 | GOOD | 2,334.7 | 35.8 | 3.6 | 1.2 | NO | NO | |
| 4 | Callery pear | 12.0 | 30.0 | 437.4 | GOOD | 1,544.8 | 23.7 | 3.5 | 0.8 | NO | NO | |
| 5 | Callery pear | 12.5 | 30.8 | 467.6 | GOOD | 1,667.3 | 25.6 | 3.6 | 0.9 | NO | NO | |
| 6 | Callery pear | 15.0 | 34.9 | 646.9 | GOOD | 2,334.7 | 35.8 | 3.6 | 1.2 | NO | NO | |
| 7 | Callery pear | 14.5 | 34.1 | 607.0 | GOOD | 2,198.3 | 33.7 | 3.6 | 1.1 | NO | NO | |
| 8 | Callery pear | 15.5 | 35.7 | 683.5 | GOOD | 2,460.7 | 37.7 | 3.6 | 1.3 | NO | NO | |
| 9 | Red maple | 11.0 | 53.8 | 463.8 | FAIR | 3,533.2 | 48.7 | 7.6 | 0.7 | NO | YES | |
| 10 | Red maple | 10.8 | 53.2 | 452.4 | FAIR | 2,328.9 | 32.1 | 5.1 | 0.6 | NO | YES | |
| 11 | Red maple | 9.7 | 50.1 | 397.6 | FAIR | 1,987.2 | 27.4 | 5.0 | 0.5 | NO | YES | |
| 12 | Red maple | 11.6 | 55.4 | 555.7 | GOOD | 2,923.1 | 40.3 | 5.3 | 0.7 | NO | YES | |
| 13 | Callery pear | 11.5 | 29.2 | 404.7 | GOOD | 1,417.7 | 21.7 | 3.5 | 0.7 | NO | NO | |
| 14 | Callery pear | 12.0 | 30.0 | 437.4 | GOOD | 1,544.8 | 23.7 | 3.5 | 0.8 | NO | NO | |
| 15 | Red maple | 13.0 | 59.1 | 633.5 | GOOD | 3,336.5 | 46.0 | 5.3 | 0.9 | NO | YES | |
| 16 | Red maple | 12.5 | 57.8 | 602.6 | GOOD | 3,187.4 | 44.0 | 5.3 | 0.9 | NO | YES | |
| 17 | Honeylocust | 7.7 | 29.8 | 426.4 | GOOD | 784.3 | 16.8 | 1.8 | 0.3 | NO | NO | |
| 18 | Honeylocust | 8.5 | 31.5 | 467.6 | GOOD | 877.4 | 18.8 | 1.9 | 0.4 | NO | NO | |
| 19 | Honeylocust | 8.0 | 30.5 | 441.2 | GOOD | 819.4 | 17.6 | 1.9 | 0.3 | NO | NO | |
| 20 | Littleleaf linden | 6.0 | 21.6 | 165.1 | GOOD | 879.2 | 13.5 | 5.3 | 0.2 | NO | NO | |
| 21 | Littleleaf linden | 6.0 | 21.6 | 165.1 | GOOD | 879.2 | 13.5 | 5.3 | 0.2 | NO | NO | |
| 22 | Honeylocust | 8.0 | 30.5 | 441.2 | GOOD | 886.3 | 19.0 | 2.0 | 0.3 | NO | NO | |
| 23 | Kwanzan cherry | 8.0 | 39.1 | 274.6 | GOOD | 1,546.5 | 24.5 | 5.6 | 0.3 | NO | NO | |
| 24 | Littleleaf linden | 5.7 | 20.9 | 149.6 | GOOD | 782.7 | 12.0 | 5.2 | 0.2 | NO | NO | |
| 25 | Littleleaf linden | 9.5 | 28.2 | 346.4 | GOOD | 2,348.7 | 36.0 | 6.8 | 0.5 | NO | NO | |
| 26 | Norway maple | 11.0 | 40.1 | 366.4 | POOR | 2,995.7 | 33.1 | 8.2 | 0.7 | NO | NO | |
| 27 | crabapple | 11.0 | 22.2 | 330.1 | FAIR | 1,532.9 | 27.1 | 4.6 | 0.7 | NO | NO | |
| 28 | crabapple | 12.5 | 23.1 | 369.8 | FAIR | 1,775.1 | 31.3 | 4.8 | 0.9 | NO | NO | |
| 29 | Norway maple | 12.0 | 41.7 | 411.9 | POOR | 3,458.3 | 38.2 | 8.4 | 0.8 | NO | NO | |
| 30 | Sweetgum | 18.0 | 76.8 | 711.6 | GOOD | 3,913.7 | 36.8 | 5.5 | 1.8 | NO | NO | |
| 31 | Kwanzan cherry | 12.0 | 50.3 | 394.1 | FAIR | 2,600.6 | 41.2 | 6.6 | 0.8 | NO | NO | |
| 32 | crabapple | 11.5 | 22.5 | 343.1 | FAIR | 1,611.4 | 28.5 | 4.7 | 0.7 | NO | NO | |
| 33 | crabapple | 13.5 | 23.6 | 397.6 | FAIR | 1,939.4 | 34.2 | 4.9 | 1.0 | NO | NO | |
| 34 | Norway maple | 16.0 | 47.5 | 725.8 | FAIR | 6,182.9 | 68.3 | 8.5 | 1.4 | NO | NO | |

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|--------------|-------------------|-------------|----------------|-----------------------|----------------|--------------------|----------------------|-----------------|---------------------|-------------|-----------------|----------|
| 35 | Northern red oak | 29.5 | 89.7 | 1,727.6 | GOOD | 8,119.6 | 132.5 | 4.7 | 4.7 | NO | YES | |
| 36 | Northern red oak | 41.5 | 92.8 | 2,660.3 | GOOD | 12,237.5 | 199.7 | 4.6 | 9.4 | NO | YES | |
| 37 | Northern red oak | 51.5 | 92.8 | 3,349.0 | GOOD | 14,400.8 | 235.0 | 4.3 | 14.5 | NO | YES | |
| 38 | Northern red oak | 15.5 | 66.0 | 702.2 | GOOD | 4,649.9 | 75.9 | 6.6 | 1.3 | NO | YES | |
| 39 | Northern red oak | 46.0 | 92.8 | 2,980.2 | GOOD | 12,815.1 | 209.1 | 4.3 | 11.5 | NO | YES | |
| 40 | Northern red oak | 39.0 | 92.8 | 2,471.8 | GOOD | 11,370.4 | 185.6 | 4.6 | 8.3 | NO | YES | |
| 41 | Northern red oak | 38.0 | 92.8 | 2,393.1 | GOOD | 11,008.5 | 179.7 | 4.6 | 7.9 | NO | YES | |
| 42 | Northern red oak | 34.0 | 92.4 | 2,083.1 | GOOD | 9,582.1 | 156.4 | 4.6 | 6.3 | NO | YES | |
| 43 | Littleleaf linden | 14.0 | 33.8 | 547.4 | GOOD | 4,364.5 | 67.0 | 8.0 | 1.1 | NO | NO | |
| 44 | crabapple | 11.0 | 22.2 | 268.8 | POOR | 1,152.7 | 20.4 | 4.3 | 0.7 | NO | NO | |
| Total | | | | 34,864.7 | | 163,063.8 | 2,520.9 | | 92.0 | | | |