

# Complete Population of All Trees

9/26/2013

Species	DBH Class (in)									Total Standard Error
	0-3	3-6	6-12	12-18	18-24	24-30	30-36	36-42	> 42	
<b>Broadleaf Deciduous Large (BDL)</b>										
Maple	5	707	914	256	144	55	22	0	0	2,104 (±317)
Oak	0	30	401	348	144	24	18	0	0	965 (±621)
Elm	0	33	314	150	175	76	22	0	0	771 (±275)
White oak	6	42	252	264	156	12	0	6	0	738 (±426)
Northern red oak	0	60	219	204	126	24	12	6	0	650 (±278)
Quaking aspen	0	466	62	27	0	0	6	0	6	565 (±30)
Basswood	0	75	142	36	16	0	0	0	0	270 (±68)
Cottonwood	0	5	22	47	94	33	6	0	5	212 (±89)
Northern hackberry	0	42	115	17	6	0	0	0	0	179 (±104)
Black walnut	0	18	17	5	6	0	0	0	0	45 (±13)
Hickory	0	22	5	6	0	0	0	0	0	34 (±15)
American elm	0	0	0	0	22	0	6	0	0	28 (±25)
Paper birch	0	5	10	11	0	0	0	0	0	27 (±17)
Broadleaf Deciduous Lar	0	0	6	6	6	0	0	0	5	23 (±12)
Northern catalpa	0	0	6	6	0	0	0	0	0	12 (±7)
Red maple	0	0	6	0	0	0	0	0	0	6 (±5)
<b>Total</b>	<b>11</b>	<b>1,504</b>	<b>2,492</b>	<b>1,381</b>	<b>894</b>	<b>224</b>	<b>90</b>	<b>12</b>	<b>16</b>	<b>6,626 (±1,035)</b>
<b>Broadleaf Deciduous Medium (BDM)</b>										
Ash	11	216	630	245	1,294	17	6	0	0	2,418 (±227)
Siberian elm	0	16	71	82	44	22	0	0	0	236 (±194)
Birch	0	54	87	5	0	0	0	0	0	146 (±32)
Willow	0	30	39	16	6	6	6	6	0	109 (±22)
Boxelder	0	11	33	32	16	6	0	5	0	104 (±22)
Broadleaf Deciduous Me	0	18	65	12	0	0	0	0	0	94 (±41)
Honeylocust	0	41	22	6	6	0	0	0	0	74 (±9)
Black locust	0	11	22	28	0	0	0	0	0	60 (±55)
River birch	0	29	24	0	0	0	0	0	0	53 (±27)
<b>Total</b>	<b>11</b>	<b>425</b>	<b>993</b>	<b>426</b>	<b>1,366</b>	<b>51</b>	<b>12</b>	<b>11</b>	<b>0</b>	<b>3,294 (±319)</b>
<b>Broadleaf Deciduous Small (BDS)</b>										
Apple	0	446	393	38	10	0	0	0	0	887 (±118)
Black cherry	0	17	36	18	0	0	0	0	0	70 (±28)
Mountain ash	0	6	23	0	0	0	0	0	0	29 (±10)
Japanese tree lilac	0	28	0	0	0	0	0	0	0	28 (±14)
Broadleaf Deciduous Sm	0	18	0	5	0	0	0	0	0	23 (±10)
Plum	0	6	11	0	0	0	0	0	0	16 (±15)
<b>Total</b>	<b>0</b>	<b>520</b>	<b>462</b>	<b>61</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,054 (±128)</b>
<b>Broadleaf Evergreen Medium (BEM)</b>										
Broadleaf Evergreen Mec	0	0	34	16	0	0	0	0	0	50 (±19)
<b>Total</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50 (±19)</b>
<b>Broadleaf Evergreen Small (BES)</b>										
Broadleaf Evergreen Sm	0	12	28	0	0	0	0	0	0	40 (±24)
<b>Total</b>	<b>0</b>	<b>12</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40 (±24)</b>
<b>Conifer Evergreen Large (CEL)</b>										
Spruce	18	443	6,736	2,216	221	0	0	0	0	9,634 (±219)
Red pine	0	210	3,196	4,129	39	0	0	0	0	7,575 (±244)
Eastern white pine	0	11	1,634	330	0	0	0	0	0	1,975 (±142)
Northern white cedar	0	10	12	0	0	0	0	0	0	22 (±11)
<b>Total</b>	<b>18</b>	<b>675</b>	<b>11,578</b>	<b>6,674</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,205 (±367)</b>
<b>Conifer Evergreen Medium (CEM)</b>										
Blue spruce	0	28	24	0	0	0	0	0	0	52 (±36)
<b>Total</b>	<b>0</b>	<b>28</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52 (±36)</b>
<b>Conifer Evergreen Small (CES)</b>										
Eastern red cedar	0	106	472	1,787	0	0	0	0	0	2,366 (±176)
<b>Total</b>	<b>0</b>	<b>106</b>	<b>472</b>	<b>1,787</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,366 (±176)</b>
<b>Grand Total</b>	<b>40</b>	<b>3,270</b>	<b>16,085</b>	<b>10,345</b>	<b>2,531</b>	<b>276</b>	<b>102</b>	<b>23</b>	<b>16</b>	<b>32,686 (±1,550)</b>

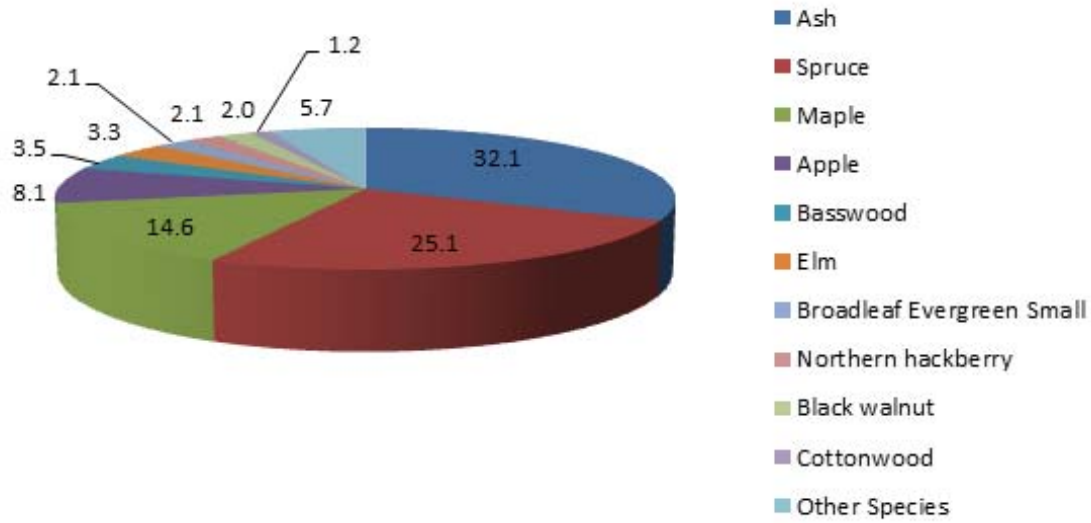
# Complete Population of Public Trees

11/8/2013

Species	DBH Class (in)									Total Standard Error
	0-3	3-6	6-12	12-18	18-24	24-30	30-36	36-42	> 42	
<b>Broadleaf Deciduous Large (BDL)</b>										
Maple	0	12	33	6	6	10	6	0	0	72 (±15)
Basswood	0	0	6	6	6	0	0	0	0	18 (±12)
Elm	0	0	0	6	6	6	0	0	0	16 (±15)
Northern hackberry	0	0	10	0	0	0	0	0	0	10 (±5)
Black walnut	0	0	5	5	0	0	0	0	0	10 (±0)
Northern red oak	0	0	0	6	0	0	0	0	0	6 (±5)
Cottonwood	0	0	0	6	0	0	0	0	0	6 (±5)
Oak	0	0	0	6	0	0	0	0	0	6 (±5)
Hickory	0	5	0	0	0	0	0	0	0	5 (±5)
<b>Total</b>	<b>0</b>	<b>17</b>	<b>55</b>	<b>40</b>	<b>16</b>	<b>16</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>150 (±37)</b>
<b>Broadleaf Deciduous Medium (BDM)</b>										
Ash	6	44	66	38	0	6	0	0	0	158 (±41)
Honeylocust	0	0	6	0	0	0	0	0	0	6 (±5)
Siberian elm	0	0	6	0	0	0	0	0	0	6 (±5)
<b>Total</b>	<b>6</b>	<b>44</b>	<b>77</b>	<b>38</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170 (±40)</b>
<b>Broadleaf Deciduous Small (BDS)</b>										
Apple	0	17	24	0	0	0	0	0	0	40 (±23)
<b>Total</b>	<b>0</b>	<b>17</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40 (±23)</b>
<b>Broadleaf Evergreen Small (BES)</b>										
Broadleaf Evergreen Small	0	0	10	0	0	0	0	0	0	10 (±9)
<b>Total</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10 (±9)</b>
<b>Conifer Evergreen Large (CEL)</b>										
Spruce	0	28	96	0	0	0	0	0	0	124 (±80)
<b>Total</b>	<b>0</b>	<b>28</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>124 (±80)</b>
<b>Grand Total</b>	<b>6</b>	<b>105</b>	<b>262</b>	<b>78</b>	<b>16</b>	<b>22</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>494 (±84)</b>

# Species Distribution of Public Trees

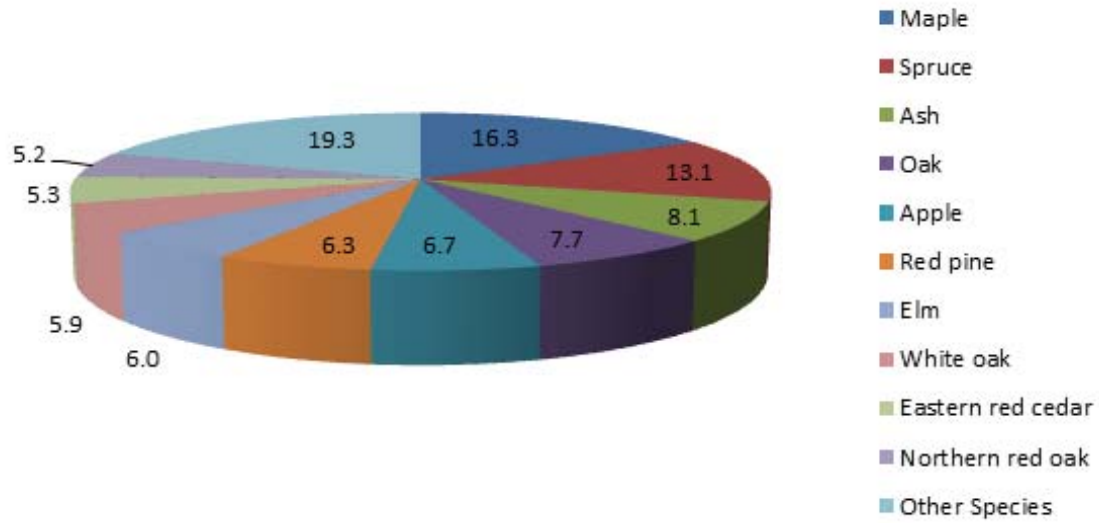
11/1/2013



Species	Percent
Ash	32.1
Spruce	25.1
Maple	14.6
Apple	8.1
Basswood	3.5
Elm	3.3
Broadleaf Evergreen Sm:	2.1
Northern hackberry	2.1
Black walnut	2.0
Cottonwood	1.2
Other Species	5.7
Total	100.0

# Species Distribution of Private Trees

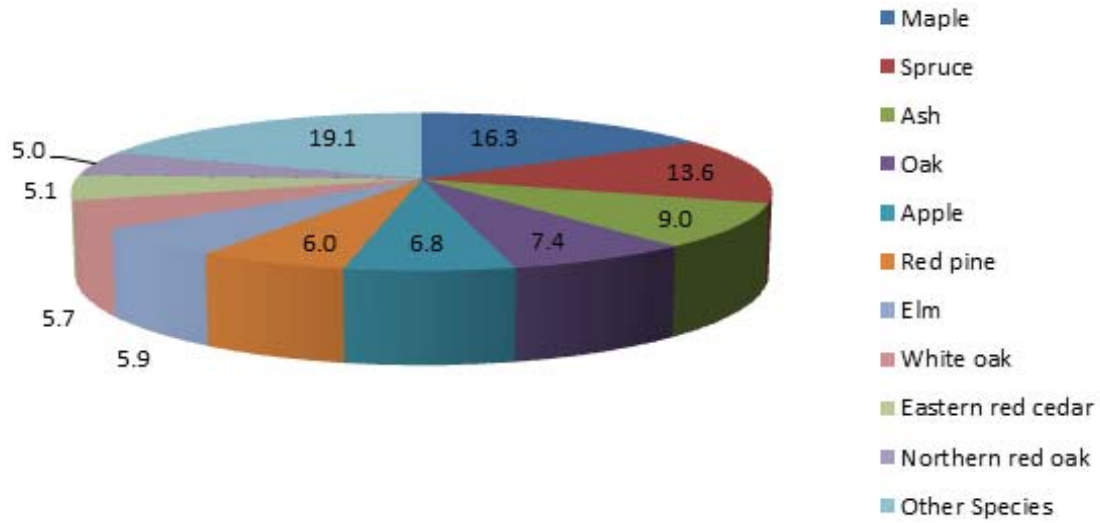
11/1/2013



Species	Percent
Maple	16.3
Spruce	13.1
Ash	8.1
Oak	7.7
Apple	6.7
Red pine	6.3
Elm	6.0
White oak	5.9
Eastern red cedar	5.3
Northern red oak	5.2
Other Species	19.3
<b>Total</b>	<b>100.0</b>

# Species Distribution of All Trees

11/1/2013



Species	Percent
Maple	16.3
Spruce	13.6
Ash	9.0
Oak	7.4
Apple	6.8
Red pine	6.0
Elm	5.9
White oak	5.7
Eastern red cedar	5.1
Northern red oak	5.0
Other Species	19.1
Total	100.0

## Total Annual Benefits, Net Benefits, and Costs for All Trees

9/26/2013

Benefits	Total (\$) Standard Error	\$/tree Standard Error	\$/capita Standard Error
Energy	730,799 (±48,199)	22.36 (±1.47)	0.00(±0.00)
CO2	32,653 (±3,018)	1.00 (±0.09)	0.00(±0.00)
Air Quality	97,873 (±7,570)	2.99 (±0.23)	0.00(±0.00)
Stormwater	920,420 (±50,372)	28.16 (±1.54)	0.00(±0.00)
Aesthetic/Other	783,821 (±50,135)	23.98 (±1.53)	0.00(±0.00)
<b>Total Benefits</b>	<b>2,565,566 (±158,581)</b>	<b>78.49 (±4.85)</b>	<b>0.00(±0.00)</b>
<b>Costs</b>			
Planting	0	0.00	0.00
Contract Pruning	0	0.00	0.00
Pest Management	0	0.00	0.00
Irrigation	0	0.00	0.00
Removal	0	0.00	0.00
Administration	0	0.00	0.00
Inspection/Service	0	0.00	0.00
Infrastructure Repairs	0	0.00	0.00
Litter Clean-up	0	0.00	0.00
Liability/Claims	0	0.00	0.00
Other Costs	0	0.00	0.00
<b>Total Costs</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Net Benefits</b>	<b>2,565,566 (±158,581)</b>	<b>78.49 (±4.85)</b>	<b>0.00(±0.00)</b>
<b>Benefit-cost ratio</b>	<b>0.00 (±0.00)</b>		