

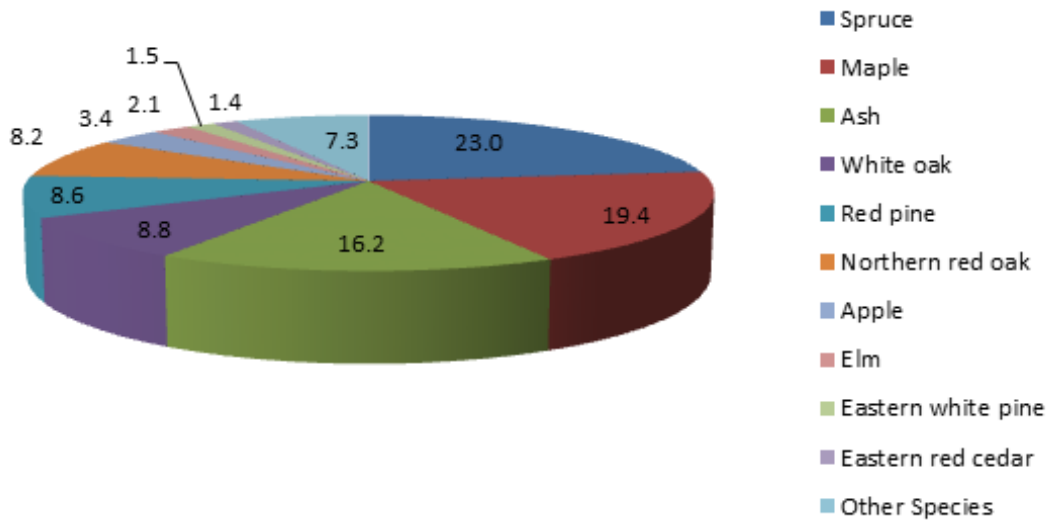
Complete Population of All Trees

9/5/2013

Species	DBH Class (in)									Total Standard Error
	0-3	3-6	6-12	12-18	18-24	24-30	30-36	36-42	> 42	
Broadleaf Deciduous Large (BDL)										
White oak	0	400	1,581	1,787	1,056	395	99	28	18	5,364 (±1,278)
Maple	0	870	1,207	336	168	76	31	26	10	2,726 (±273)
Northern red oak	0	148	603	816	731	269	100	15	20	2,701 (±545)
Oak	0	45	280	140	50	10	0	0	0	525 (±288)
Elm	0	45	157	58	20	40	20	0	0	340 (±121)
Basswood	0	33	82	51	14	10	10	0	0	200 (±58)
Cottonwood	0	18	11	51	6	21	11	5	5	128 (±47)
Quaking aspen	0	28	59	26	0	0	0	6	0	119 (±36)
Northern hackberry	0	38	46	10	5	0	0	0	0	100 (±36)
Black walnut	0	5	15	15	0	0	0	0	0	36 (±20)
Northern catalpa	0	6	15	5	5	5	0	0	0	36 (±14)
Hickory	0	0	20	5	0	0	0	0	0	25 (±18)
American chestnut	0	5	0	0	0	0	0	0	0	5 (±5)
Total	0	1,641	4,078	3,300	2,055	826	271	79	53	12,303 (±1,623)
Broadleaf Deciduous Medium (BDM)										
Ash	0	519	501	209	69	20	5	5	0	1,328 (±199)
Boxelder	0	38	124	83	22	5	17	0	0	289 (±131)
Birch	0	66	104	40	0	0	0	0	0	211 (±53)
Honeylocust	0	18	96	32	5	5	0	0	0	156 (±56)
Willow	0	11	26	16	43	12	0	5	0	112 (±34)
Broadleaf Deciduous Medium	0	32	51	0	0	0	0	0	0	83 (±40)
River birch	0	28	47	0	0	0	0	0	0	75 (±21)
Total	0	711	949	381	139	42	22	10	0	2,254 (±316)
Broadleaf Deciduous Small (BDS)										
Apple	0	332	305	41	5	0	0	0	0	683 (±120)
Black cherry	0	185	131	50	0	0	0	0	0	366 (±85)
Japanese tree lilac	0	86	6	5	0	0	0	0	0	97 (±53)
Mountain ash	0	38	27	11	0	0	0	0	0	76 (±21)
Broadleaf Deciduous Small	0	34	0	0	0	0	0	0	0	34 (±15)
Mulberry	0	6	0	11	0	0	0	0	0	17 (±8)
Total	0	680	469	117	5	0	0	0	0	1,271 (±193)
Broadleaf Evergreen Large (BEL)										
Broadleaf Evergreen Large	0	0	0	14	0	0	0	0	0	14 (±13)
Total	0	0	0	14	0	0	0	0	0	14 (±13)
Broadleaf Evergreen Medium (BEM)										
Broadleaf Evergreen Medium	0	0	24	10	0	0	0	0	0	33 (±30)
Southern magnolia	0	5	0	0	0	0	0	0	0	5 (±4)
Total	0	5	24	10	0	0	0	0	0	38 (±30)
Broadleaf Evergreen Small (BES)										
Broadleaf Evergreen Small	6	76	5	0	0	0	0	0	0	87 (±72)
Total	6	76	5	0	0	0	0	0	0	87 (±72)
Conifer Evergreen Large (CEL)										
Spruce	253	579	830	177	16	0	0	5	0	1,858 (±228)
Red pine	6	142	463	648	175	20	0	0	0	1,455 (±372)
Eastern white pine	65	113	134	79	31	0	0	0	0	422 (±106)
Northern white cedar	30	59	6	10	0	0	0	0	0	105 (±40)
Total	353	894	1,432	914	222	20	0	5	0	3,840 (±559)
Conifer Evergreen Medium (CEM)										
Blue spruce	0	23	81	12	0	0	0	0	0	116 (±67)
Total	0	23	81	12	0	0	0	0	0	116 (±67)
Conifer Evergreen Small (CES)										
Eastern red cedar	0	75	162	50	5	5	0	0	0	299 (±74)
Total	0	75	162	50	5	5	0	0	0	299 (±74)
Grand Total	359	4,106	7,200	4,799	2,426	893	293	94	53	20,223 (±1,918)

Species Distribution of Public Trees

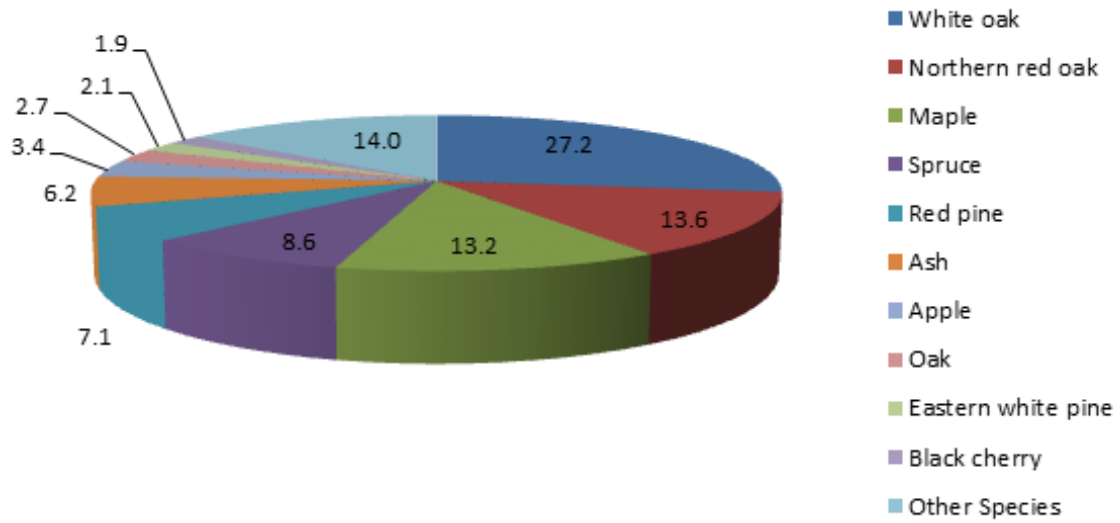
9/5/2013



Species	Percent
Spruce	23.0
Maple	19.4
Ash	16.2
White oak	8.8
Red pine	8.6
Northern red oak	8.2
Apple	3.4
Elm	2.1
Eastern white pine	1.5
Eastern red cedar	1.4
Other Species	7.3
Total	100.0

Species Distribution of Private Trees

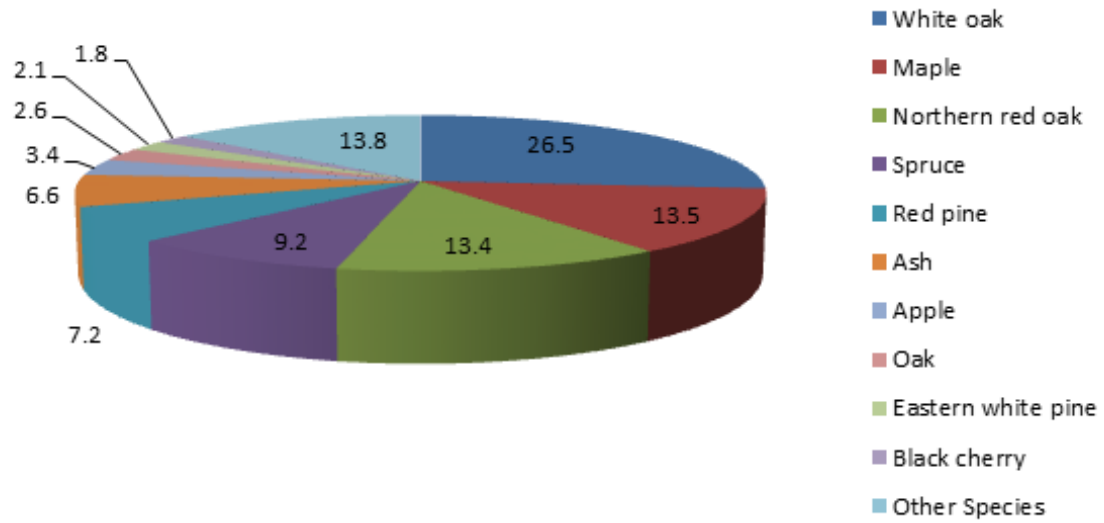
9/5/2013



Species	Percent
White oak	27.2
Northern red oak	13.6
Maple	13.2
Spruce	8.6
Red pine	7.1
Ash	6.2
Apple	3.4
Oak	2.7
Eastern white pine	2.1
Black cherry	1.9
Other Species	14.0
Total	100.0

Species Distribution of All Trees

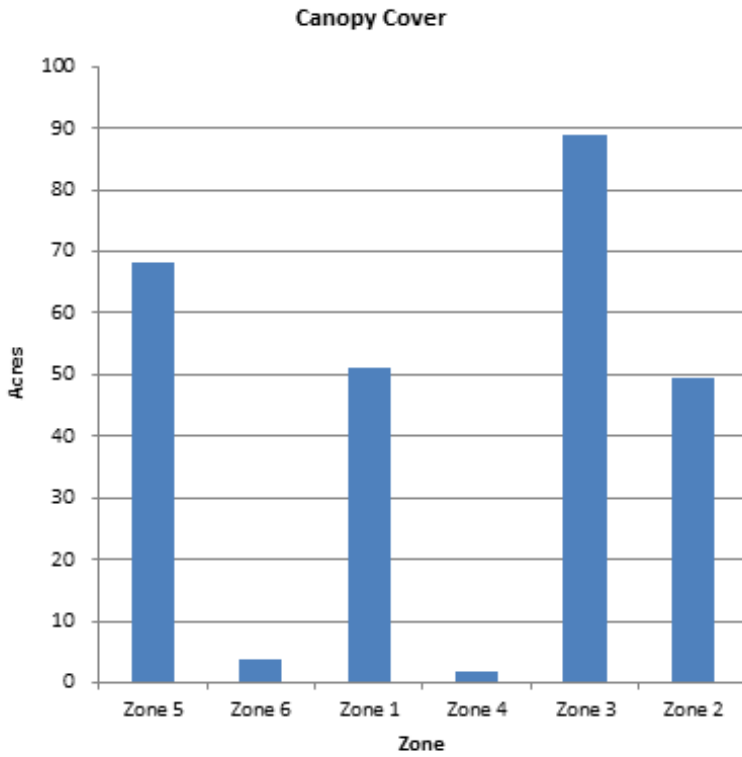
9/5/2013



Species	Percent
White oak	26.5
Maple	13.5
Northern red oak	13.4
Spruce	9.2
Red pine	7.2
Ash	6.6
Apple	3.4
Oak	2.6
Eastern white pine	2.1
Black cherry	1.8
Other Species	13.8
Total	100.0

Canopy Cover of All Trees (Acres)

9/5/2013



Zone	Acres	% of Total Canopy Cover
Zone 5	68	25.8
Zone 6	4	1.5
Zone 1	51	19.4
Zone 4	2	0.7
Zone 3	89	33.8
Zone 2	49	18.7
Citywide total	263	100.0

	Total Land Area	Total Street and Sidewalk Area	Total Canopy Cover	Canopy Cover as % of Total Land Area	Canopy Cover as % of Total Streets and Sidewalks
Citywide Total	0	0	263	0.00	0.00

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

9/5/2013

Benefits	Total (\$) Standard Error	\$/tree Standard Error	\$/capita Standard Error
Energy	575,404 (±70,115)	28.45 (±3.47)	0.00 (±0.00)
CO2	35,005 (±4,521)	1.73 (±0.22)	0.00 (±0.00)
Air Quality	88,046 (±11,238)	4.35 (±0.56)	0.00 (±0.00)
Stormwater	618,374 (±79,185)	30.58 (±3.92)	0.00 (±0.00)
Aesthetic/Other	572,624 (±67,186)	28.32 (±3.32)	0.00 (±0.00)
Total Benefits	1,889,453 (±230,799)	93.43 (±11.41)	0.00 (±0.00)
Costs			
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
Total Costs	0	0.00	0.00
Net Benefits	1,889,453 (±230,799)	93.43 (±11.41)	0.00 (±0.00)
Benefit-cost ratio	0.00 (±0.00)		