

Benefits Summary By Species

Location: Blacksburg, Montgomery, Virginia, United States of America
 Project: VT Campus Inventory, Series: Master Plan Districts, Year: 2018
 Generated: 5/10/2018



Species	Trees Number	Carbon Storage		Gross Carbon Sequestration		Avoided Runoff		Pollution Removal		Structural Value \$
		Ton	\$	Ton/Yr	\$/yr	ft3/yr	\$/yr	Ton/Yr	\$/yr	
Abies	1	0.00	0.18	0.00	0.04	1.04	0.07	0.00	0.03	48.94
Abies balsamea	1	0.00	0.16	0.00	0.04	1.17	0.08	0.00	0.03	47.31
Abies concolor	10	0.94	121.68	0.02	3.08	175.59	11.74	0.00	4.41	13,841.29
Abies fraseri	4	0.27	34.64	0.01	0.95	56.46	3.77	0.00	1.42	3,448.58
Acer	15	1.10	143.03	0.04	5.72	258.72	17.29	0.00	6.50	13,897.50
Acer buergerianum	22	4.76	618.11	0.14	17.56	807.33	53.97	0.01	20.27	55,792.42
Acer campestre	43	3.82	495.70	0.15	19.28	869.75	58.14	0.01	21.84	49,780.90
Acer x freemanii	10	3.07	397.79	0.07	9.42	363.17	24.28	0.00	9.12	30,402.76
Acer ginnala	18	0.57	74.22	0.03	3.98	201.46	13.47	0.00	5.06	8,022.40
Acer griseum	16	0.90	117.17	0.04	5.09	209.56	14.01	0.00	5.26	12,529.84
Acer negundo	27	10.85	1,407.95	0.14	18.38	686.36	45.88	0.01	17.23	36,991.56
Acer nigrum	50	65.93	8,553.28	0.61	79.02	3,285.42	219.62	0.03	82.50	384,538.98
Acer palmatum	79	3.14	406.94	0.13	17.21	611.03	40.84	0.01	15.34	39,655.21
Acer pensylvanicum	2	0.07	9.14	0.00	0.47	20.89	1.40	0.00	0.52	1,035.98
Acer platanoides	85	43.94	5,700.65	0.57	73.76	3,255.96	217.65	0.03	81.76	238,235.77
Acer pseudoplatanus	1	0.98	126.80	0.01	1.50	70.92	4.74	0.00	1.78	6,363.47
Acer rubrum	332	152.06	19,726.14	2.55	330.43	10,837.85	724.46	0.11	272.14	1,088,953.92
Acer saccharinum	6	11.03	1,431.12	0.09	11.38	571.81	38.22	0.01	14.36	59,233.69
Acer saccharum	495	207.75	26,950.91	3.83	496.35	15,647.13	1,045.95	0.16	392.91	1,438,649.27
Acer tataricum	1	0.00	0.48	0.00	0.09	3.55	0.24	0.00	0.09	69.72
Aesculus	14	3.67	475.61	0.09	12.06	514.41	34.39	0.01	12.92	36,551.98
Aesculus x carnea	3	0.06	8.19	0.00	0.54	23.25	1.55	0.00	0.58	1,139.23
Aesculus flava	3	0.15	19.79	0.01	1.03	55.08	3.68	0.00	1.38	2,419.25
Aesculus parviflora	10	0.05	6.30	0.01	0.76	37.93	2.54	0.00	0.95	1,044.61
Amelanchier	273	3.71	481.40	0.24	31.10	740.60	49.51	0.01	18.60	49,565.61
Amelanchier canadensis	4	0.12	15.24	0.00	0.41	21.20	1.42	0.00	0.53	734.92

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Amelanchier laevis	1	0.00	0.37	0.00	0.07	1.78	0.12	0.00	0.04	55.12
Betula	10	0.68	88.71	0.02	2.13	89.63	5.99	0.00	2.25	2,909.66
Betula alleghaniensis	2	0.01	0.92	0.00	0.13	5.57	0.37	0.00	0.14	67.11
Betula lenta	14	4.41	572.18	0.08	10.82	294.30	19.67	0.00	7.39	25,299.44
Betula nigra	127	16.40	2,126.97	0.51	66.47	1,796.51	120.09	0.02	45.11	147,401.26
Betula papyrifera	20	1.47	191.19	0.05	7.06	199.13	13.31	0.00	5.00	10,287.79
Betula populifolia	8	0.53	69.35	0.02	2.64	76.46	5.11	0.00	1.92	4,439.05
Buxus	1	0.21	26.63	0.00	0.64	15.37	1.03	0.00	0.39	1,714.30
Carya	15	35.31	4,580.18	0.32	41.01	616.70	41.22	0.01	15.49	141,254.46
Carpinus betulus	42	2.02	262.20	0.09	11.33	581.44	38.87	0.01	14.60	23,882.35
Catalpa bignonioides	16	10.17	1,319.59	0.13	16.36	351.98	23.53	0.00	8.84	43,198.47
Carpinus caroliniana	50	1.46	189.82	0.09	11.86	607.31	40.60	0.01	15.25	20,923.67
Carya cordiformis	9	18.44	2,392.43	0.23	29.89	443.96	29.68	0.00	11.15	107,274.51
Castanea dentata	5	0.03	3.37	0.00	0.41	19.46	1.30	0.00	0.49	378.07
Calocedrus decurrens	1	0.04	5.42	0.00	0.07	6.09	0.41	0.00	0.15	347.15
Carya glabra	12	14.20	1,842.20	0.22	28.56	377.70	25.25	0.00	9.48	94,652.43
Carpinus japonica	2	0.02	2.94	0.00	0.31	17.57	1.17	0.00	0.44	344.49
Camellia japonica	1	0.00	0.42	0.00	0.07	1.93	0.13	0.00	0.05	55.12
Castanea mollissima	3	1.35	175.47	0.03	3.63	130.58	8.73	0.00	3.28	8,862.90
Carya ovata	8	4.09	530.09	0.09	12.07	247.52	16.55	0.00	6.22	34,534.35
Catalpa speciosa	2	0.13	16.46	0.01	0.81	22.88	1.53	0.00	0.57	1,319.02
Carya alba	13	13.24	1,717.85	0.19	24.88	384.36	25.69	0.00	9.65	72,592.55
Cercis	1	0.01	1.84	0.00	0.18	5.50	0.37	0.00	0.14	220.47
Cedrus atlantica	6	1.23	159.15	0.02	2.84	116.13	7.76	0.00	2.92	18,971.40
Cercis canadensis	87	1.73	224.23	0.11	14.06	525.63	35.14	0.01	13.20	24,914.61
Cedrus deodara	2	0.06	8.43	0.00	0.37	10.58	0.71	0.00	0.27	1,449.01

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<i>Cercidiphyllum japonicum</i>	13	2.35	305.10	0.06	8.42	258.95	17.31	0.00	6.50	24,857.54
<i>Celtis occidentalis</i>	33	16.56	2,148.20	0.24	30.94	1,154.98	77.21	0.01	29.00	97,825.92
<i>Chamaecyparis</i>	15	0.28	36.01	0.01	1.33	45.07	3.01	0.00	1.13	6,287.43
<i>Chamaecyparis pisifera</i>	19	3.86	500.57	0.06	7.37	325.97	21.79	0.00	8.19	58,077.05
<i>Chionanthus retusus</i>	2	0.00	0.43	0.00	0.09	3.49	0.23	0.00	0.09	94.85
<i>Chionanthus virginicus</i>	18	0.13	16.69	0.01	1.54	51.36	3.43	0.00	1.29	2,170.36
<i>Cladrastis kentukea</i>	83	4.11	533.45	0.20	25.68	918.26	61.38	0.01	23.06	55,133.54
<i>Cornus</i>	19	0.22	28.33	0.02	2.61	96.56	6.45	0.00	2.42	2,950.82
<i>Cotinus coggygia</i>	2	0.02	2.02	0.00	0.21	2.65	0.18	0.00	0.07	260.20
<i>Cornus florida</i>	133	5.08	659.33	0.22	29.16	1,174.06	78.48	0.01	29.48	55,607.30
<i>Cornus kousa</i>	114	3.18	413.18	0.20	25.89	846.86	56.61	0.01	21.27	45,340.81
<i>Cornus mas</i>	10	0.56	72.64	0.03	3.83	122.35	8.18	0.00	3.07	8,224.82
<i>Crataegus</i>	68	2.51	325.38	0.12	15.84	296.69	19.83	0.00	7.45	30,373.45
<i>Cryptomeria japonica</i>	23	1.79	232.66	0.05	6.01	424.48	28.37	0.00	10.66	34,085.02
<i>Crataegus x lavalleyi</i>	1	0.01	0.95	0.00	0.09	3.39	0.23	0.00	0.09	95.51
<i>Crataegus laevigata</i>	8	0.01	1.43	0.00	0.35	10.85	0.73	0.00	0.27	423.30
<i>Crataegus phaenopyrum</i>	1	0.02	3.24	0.00	0.25	3.02	0.20	0.00	0.08	344.49
<i>Crataegus viridis</i>	27	0.25	32.21	0.03	3.47	74.30	4.97	0.00	1.87	3,856.55
<i>Cunninghamia</i>	1	0.02	3.14	0.00	0.15	6.84	0.46	0.00	0.17	737.32
<i>Cupressus arizonica</i>	6	0.45	57.99	0.01	1.75	37.59	2.51	0.00	0.94	9,216.86
<i>Cupressocyparis leylandii</i>	104	13.09	1,698.12	0.29	37.21	1,470.08	98.27	0.02	36.91	240,716.59
<i>Diospyros virginiana</i>	2	0.05	6.58	0.00	0.50	16.00	1.07	0.00	0.40	688.98
<i>Eucommia ulmoides</i>	3	0.21	26.92	0.01	1.30	47.04	3.14	0.00	1.18	2,826.61
<i>Fagus grandifolia</i>	93	65.95	8,555.65	0.92	118.77	4,639.65	310.14	0.05	116.50	456,334.67
<i>Fagus sylvatica</i>	39	58.10	7,537.29	0.64	83.48	3,090.76	206.60	0.03	77.61	362,659.77
<i>Firmiana</i>	1	0.01	0.96	0.00	0.12	2.85	0.19	0.00	0.07	124.02

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Fraxinus	5	0.13	16.91	0.01	1.01	34.93	2.34	0.00	0.88	1,962.80
Fraxinus americana	110	69.11	8,965.67	0.69	89.22	3,073.40	205.44	0.03	77.17	253,149.01
Fraxinus excelsior	13	0.32	41.43	0.02	2.47	113.31	7.57	0.00	2.85	4,748.82
Fraxinus pennsylvanica	13	4.78	619.65	0.04	4.85	589.92	39.43	0.01	14.81	39,359.59
Ginkgo biloba	95	10.67	1,384.35	0.31	40.84	1,137.57	76.04	0.01	28.56	111,011.37
Gleditsia triacanthos	39	21.48	2,786.09	0.28	35.68	491.97	32.89	0.01	12.35	105,414.11
Gymnocladus dioicus	34	3.22	417.26	0.11	14.51	546.28	36.52	0.01	13.72	38,485.47
Hamamelis	5	0.01	1.86	0.00	0.32	10.34	0.69	0.00	0.26	337.43
Halesia carolina	2	0.00	0.13	0.00	0.05	1.82	0.12	0.00	0.05	91.32
Halesia tetraptera	7	0.02	3.15	0.00	0.39	13.76	0.92	0.00	0.35	539.89
Hamamelis virginiana	13	0.07	9.69	0.01	1.25	35.37	2.36	0.00	0.89	1,306.15
Hydrangea	6	0.15	19.19	0.01	1.09	37.81	2.53	0.00	0.95	1,746.41
Ilex x attenuata	26	0.31	40.31	0.02	2.95	90.05	6.02	0.00	2.26	3,520.59
Ilex opaca	77	7.67	995.38	0.20	25.71	599.06	40.04	0.01	15.04	64,517.56
Ilex	6	0.06	8.19	0.00	0.59	19.63	1.31	0.00	0.49	680.56
Ilex vomitoria	4	0.16	21.20	0.01	0.68	19.05	1.27	0.00	0.48	1,463.02
Juniperus	3	0.06	7.64	0.00	0.37	16.92	1.13	0.00	0.42	1,422.87
Juglans nigra	236	259.51	33,665.76	3.15	408.32	19,652.72	1,313.70	0.20	493.49	1,557,919.97
Juniperus virginiana	148	6.06	786.30	0.17	22.08	1,431.88	95.72	0.01	35.96	113,578.81
Koelreuteria paniculata	9	1.17	151.18	0.04	4.72	179.83	12.02	0.00	4.52	11,641.09
Larix	2	0.02	2.95	0.00	0.23	11.25	0.75	0.00	0.28	625.26
Lagerstroemia	14	0.06	7.40	0.01	0.90	28.45	1.90	0.00	0.71	1,238.78
Laburnum anagyroides	12	0.08	9.97	0.01	0.94	39.87	2.67	0.00	1.00	1,309.80
Larix decidua	20	5.99	777.48	0.09	12.18	1,000.44	66.88	0.01	25.12	89,026.68
Lagerstroemia indica	85	0.73	95.09	0.07	9.43	239.39	16.00	0.00	6.01	12,364.66
Liquidambar styraciflua	54	20.27	2,629.59	0.23	30.08	1,847.55	123.50	0.02	46.39	259,161.01

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Liriodendron tulipifera	142	92.42	11,989.25	1.18	152.90	8,779.85	586.90	0.09	220.47	721,731.14
Lonicera	1	0.01	1.88	0.00	0.18	3.67	0.25	0.00	0.09	220.47
Magnolia	53	4.62	598.96	0.17	21.99	799.93	53.47	0.01	20.09	53,756.89
Malus	104	7.91	1,025.67	0.24	30.83	1,000.78	66.90	0.01	25.13	68,668.92
Magnolia acuminata	2	7.29	945.82	0.03	3.53	135.90	9.08	0.00	3.41	40,594.42
Maackia amurensis	11	0.25	31.89	0.02	2.01	75.87	5.07	0.00	1.91	3,217.14
Magnolia grandiflora	58	6.23	808.31	0.19	25.11	762.33	50.96	0.01	19.14	65,493.23
Maclura pomifera	3	5.81	753.44	0.03	3.43	87.50	5.85	0.00	2.20	23,321.75
Malus pumila	1	0.04	4.96	0.00	0.24	10.75	0.72	0.00	0.27	568.53
Magnolia x soulangiana	18	0.30	38.65	0.02	2.56	115.28	7.71	0.00	2.89	3,813.97
Magnolia stellata	1	0.06	7.29	0.00	0.40	14.56	0.97	0.00	0.37	930.60
Magnolia tripetala	1	0.01	0.97	0.00	0.12	5.72	0.38	0.00	0.14	130.39
Magnolia virginiana	14	0.53	68.84	0.02	3.24	131.21	8.77	0.00	3.29	6,523.26
Metasequoia glyptostroboides	56	19.42	2,519.02	0.28	36.69	2,380.49	159.13	0.02	59.78	346,213.20
Morus	1	0.00	0.07	0.00	0.03	0.86	0.06	0.00	0.02	51.59
Morus alba	1	0.01	0.96	0.00	0.12	5.84	0.39	0.00	0.15	124.02
Morus rubra	21	4.53	588.27	0.08	10.30	296.22	19.80	0.00	7.44	29,491.12
Nyssa	1	0.00	0.07	0.00	0.03	1.60	0.11	0.00	0.04	65.25
Nyssa sinensis	5	0.05	6.84	0.00	0.57	23.29	1.56	0.00	0.58	940.37
Nyssa sylvatica	77	5.36	695.14	0.18	23.66	927.25	61.98	0.01	23.28	71,978.55
Ostrya virginiana	32	1.92	249.14	0.07	9.57	376.85	25.19	0.00	9.46	23,946.96
Parrotia persica	12	0.27	34.57	0.02	2.53	65.62	4.39	0.00	1.65	3,691.41
Paulownia tomentosa	3	0.16	20.96	0.01	0.76	18.21	1.22	0.00	0.46	1,240.59
Physocarpus	7	0.00	0.46	0.00	0.19	9.65	0.65	0.00	0.24	361.12
Phellodendron amurense	6	10.19	1,321.87	0.06	7.46	215.71	14.42	0.00	5.42	28,042.80
Photinia	1	0.13	17.33	0.01	0.66	18.72	1.25	0.00	0.47	1,619.90

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Picea	2	0.02	2.54	0.00	0.22	6.28	0.42	0.00	0.16	305.00
Pinus	13	1.99	258.75	0.03	4.30	246.26	16.46	0.00	6.18	31,081.03
Picea abies	169	50.46	6,545.43	0.91	117.95	6,221.97	415.91	0.06	156.24	556,494.13
Pistacia chinensis	6	0.04	5.03	0.01	0.66	9.97	0.67	0.00	0.25	662.53
Pinus echinata	1	0.12	16.20	0.00	0.38	24.12	1.61	0.00	0.61	2,283.55
Pinus flexilis	2	0.18	23.38	0.00	0.52	30.04	2.01	0.00	0.75	3,661.43
Picea glauca	8	0.43	56.25	0.02	2.06	63.33	4.23	0.00	1.59	6,001.84
Pinus mugo	1	0.00	0.21	0.00	0.03	1.12	0.08	0.00	0.03	52.29
Pinus nigra	55	11.69	1,516.02	0.16	20.32	1,288.61	86.14	0.01	32.36	152,647.48
Pinus palustris	2	0.18	23.32	0.00	0.61	37.43	2.50	0.00	0.94	4,291.04
Pinus parviflora	8	0.34	44.65	0.01	1.20	67.80	4.53	0.00	1.70	6,504.84
Picea pungens	130	17.22	2,234.20	0.41	53.72	2,225.51	148.77	0.02	55.88	205,297.37
Pinus resinosa	4	1.54	199.18	0.02	2.95	122.68	8.20	0.00	3.08	10,903.12
Pinus rigida	1	0.00	0.21	0.00	0.03	1.12	0.08	0.00	0.03	61.00
Picea rubens	4	0.13	17.40	0.01	0.88	27.92	1.87	0.00	0.70	2,065.55
Pinus serotina	2	0.01	0.67	0.00	0.07	2.76	0.18	0.00	0.07	166.58
Pinus strobus	420	274.61	35,624.80	3.55	460.31	17,922.27	1,198.03	0.19	450.04	3,000,763.74
Pinus sylvestris	25	1.60	207.04	0.04	5.67	320.83	21.45	0.00	8.06	34,113.05
Pinus thunbergii	28	3.86	501.38	0.07	8.83	606.07	40.51	0.01	15.22	60,164.40
Pinus virginiana	2	0.33	43.33	0.01	0.74	67.75	4.53	0.00	1.70	4,071.97
Platanus x acerifolia	198	81.95	10,631.41	1.59	206.84	10,174.08	680.09	0.11	255.48	612,401.64
Platanus occidentalis	40	94.94	12,316.08	0.68	87.61	4,191.13	280.16	0.04	105.24	374,657.99
Populus	1	0.07	9.30	0.00	0.45	8.64	0.58	0.00	0.22	953.06
Poncirus	1	0.04	4.82	0.00	0.31	8.84	0.59	0.00	0.22	738.24
Populus grandidentata	1	0.00	0.04	0.00	0.02	0.51	0.03	0.00	0.01	32.62
Prunus	232	40.47	5,249.92	1.13	146.75	3,655.69	244.37	0.04	91.80	253,158.88

Benefits Summary By Species

Location: Blacksburg, Montgomery, Virginia, United States of America

Project: VT Campus Inventory, Series: Master Plan Districts, Year: 2018

Generated: 5/10/2018



Species	Trees Number	Carbon Storage		Gross Carbon Sequestration		Avoided Runoff		Pollution Removal		Structural Value \$
		Ton	\$	Ton/Yr	\$/yr	ft3/yr	\$/yr	Ton/Yr	\$/yr	
Prunus avium	29	9.51	1,233.06	0.11	13.82	346.58	23.17	0.00	8.70	25,214.70
Prunus cerasifera	2	0.13	16.99	0.01	0.83	21.15	1.41	0.00	0.53	1,244.66
Prunus serotina	117	123.88	16,071.01	1.52	196.72	4,167.59	278.59	0.04	104.65	417,493.84
Prunus serrulata	30	5.24	679.78	0.14	18.01	475.13	31.76	0.00	11.93	31,273.77
Prunus yedoensis	1	0.05	5.92	0.00	0.38	8.29	0.55	0.00	0.21	715.38
Pseudotsuga menziesii	13	1.14	148.22	0.02	3.05	393.70	26.32	0.00	9.89	22,894.55
Pyrus	7	0.09	11.89	0.01	0.91	15.64	1.05	0.00	0.39	1,595.71
Pyrus calleryana	53	10.00	1,297.41	0.28	36.68	757.80	50.66	0.01	19.03	96,336.51
Quercus	14	24.20	3,139.96	0.11	14.68	284.82	19.04	0.00	7.15	52,059.02
Quercus acutissima	67	34.66	4,496.73	0.68	88.14	2,150.62	143.76	0.02	54.00	275,879.85
Quercus alba	168	445.75	57,826.37	2.74	355.15	10,099.44	675.11	0.10	253.60	2,596,055.72
Quercus bicolor	113	9.59	1,243.72	0.36	47.30	1,180.04	78.88	0.01	29.63	124,403.48
Quercus coccinea	73	36.23	4,699.72	0.56	72.06	1,498.70	100.18	0.02	37.63	235,591.18
Quercus falcata	2	4.71	611.19	0.05	6.12	129.69	8.67	0.00	3.26	20,515.63
Quercus hemisphaerica	3	0.46	60.30	0.02	2.22	59.71	3.99	0.00	1.50	5,640.49
Quercus imbricaria	4	1.84	238.45	0.04	5.81	126.04	8.43	0.00	3.16	16,390.25
Quercus lyrata	20	3.84	497.94	0.05	6.98	264.95	17.71	0.00	6.65	40,152.10
Quercus macrocarpa	45	15.75	2,043.62	0.13	17.09	598.39	40.00	0.01	15.03	78,133.66
Quercus michauxii	77	9.87	1,280.81	0.32	41.69	1,003.23	67.06	0.01	25.19	108,233.59
Quercus nigra	8	7.18	931.77	0.13	16.64	334.28	22.35	0.00	8.39	53,099.88
Quercus texana	23	2.60	337.10	0.10	12.96	318.83	21.31	0.00	8.01	31,842.86
Quercus palustris	102	82.91	10,755.45	1.27	165.23	3,331.31	222.68	0.03	83.65	473,075.93
Quercus phellos	162	46.22	5,995.98	0.75	97.79	3,460.37	231.31	0.04	86.89	552,557.80
Quercus prinus	9	3.99	516.97	0.11	14.09	229.79	15.36	0.00	5.77	30,152.08
Quercus robur	2	0.09	11.91	0.01	0.66	19.46	1.30	0.00	0.49	1,357.39
Quercus rubra	292	271.98	35,283.66	3.43	444.68	11,576.52	773.84	0.12	290.69	1,696,938.99

Benefits Summary By Species

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		Ton	\$	Ton/Yr	\$/yr	ft3/yr	\$/yr	Ton/Yr	\$/yr	
Quercus x saulii	1	0.24	31.11	0.01	1.01	27.17	1.82	0.00	0.68	2,599.87
Quercus shumardii	4	1.56	202.68	0.03	4.17	78.93	5.28	0.00	1.98	14,022.09
Quercus velutina	87	284.78	36,943.87	1.84	238.09	5,527.38	369.48	0.06	138.80	1,112,700.28
Rhus	1	0.04	5.05	0.00	0.32	2.67	0.18	0.00	0.07	738.24
Robinia pseudoacacia	69	25.66	3,328.75	0.45	58.74	1,974.90	132.01	0.02	49.59	149,541.99
Salix	15	17.37	2,253.33	0.12	15.92	539.13	36.04	0.01	13.54	50,595.78
Sambucus	1	0.03	3.25	0.00	0.25	4.19	0.28	0.00	0.11	344.49
Sassafras albidum	1	0.00	0.36	0.00	0.05	2.17	0.14	0.00	0.05	42.45
Salix babylonica	5	10.78	1,399.11	0.08	10.03	294.85	19.71	0.00	7.40	34,969.41
Sophora japonica	7	7.45	966.19	0.09	11.25	215.02	14.37	0.00	5.40	40,159.13
Stewartia	6	0.03	3.77	0.00	0.54	14.05	0.94	0.00	0.35	496.07
Styrax japonicus	8	0.05	6.85	0.01	0.67	24.59	1.64	0.00	0.62	781.07
Syringa reticulata	5	0.15	19.93	0.01	1.34	12.23	0.82	0.00	0.31	2,468.56
Syringa	2	0.04	5.25	0.00	0.38	3.90	0.26	0.00	0.10	793.36
Taxus	18	0.89	114.95	0.02	3.22	195.65	13.08	0.00	4.91	16,106.93
Taxodium distichum	165	23.35	3,028.62	0.43	55.79	3,134.29	209.51	0.03	78.70	401,938.06
Tetradium daniellii	4	0.05	6.98	0.00	0.64	25.76	1.72	0.00	0.65	784.49
Thuja	18	0.21	26.80	0.01	1.03	53.39	3.57	0.00	1.34	8,467.60
Thuja occidentalis	192	3.15	408.51	0.13	16.93	559.98	37.43	0.01	14.06	81,172.58
Thuja plicata	2	0.00	0.39	0.00	0.02	2.58	0.17	0.00	0.06	169.93
Tilia	3	0.37	48.01	0.00	0.57	50.55	3.38	0.00	1.27	2,449.02
Tilia americana	19	14.33	1,859.33	0.16	21.11	1,149.79	76.86	0.01	28.87	141,480.57
Tilia cordata	95	9.25	1,199.98	0.26	33.58	1,798.20	120.20	0.02	45.15	146,771.62
Tilia petiolaris	15	3.90	505.35	0.08	9.88	487.33	32.58	0.01	12.24	54,015.17
Tsuga	4	0.89	115.62	0.01	1.78	159.67	10.67	0.00	4.01	12,622.63
Tsuga canadensis	76	25.24	3,274.94	0.25	32.12	2,073.95	138.64	0.02	52.08	188,561.96

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		Ton	\$	Ton/Yr	\$/yr	ft3/yr	\$/yr	Ton/Yr	\$/yr	
Tsuga caroliniana	1	0.11	14.05	0.00	0.30	34.90	2.33	0.00	0.88	1,652.30
Ulmus alata	1	0.01	0.83	0.00	0.08	3.30	0.22	0.00	0.08	94.83
Ulmus americana	138	32.40	4,203.04	0.65	84.61	4,639.99	310.16	0.05	116.51	253,900.86
Ulmus x hollandica	1	6.61	858.00	0.01	1.43	121.46	8.12	0.00	3.05	37,209.08
Ulmus parvifolia	156	25.01	3,245.02	0.60	77.23	3,761.69	251.45	0.04	94.46	292,402.61
Ulmus procera	1	5.99	776.65	0.04	5.62	121.46	8.12	0.00	3.05	28,297.02
Ulmus pumila	12	25.09	3,254.82	0.15	19.19	1,040.32	69.54	0.01	26.12	55,051.31
Ulmus rubra	12	9.13	1,184.89	0.09	11.66	461.25	30.83	0.00	11.58	61,027.64
Ulmus	13	6.47	839.42	0.09	12.09	489.95	32.75	0.01	12.30	48,781.14
Ulmus thomasii	1	1.14	147.28	0.02	2.13	86.08	5.75	0.00	2.16	10,926.12
Viburnum	1	0.00	0.36	0.00	0.07	3.29	0.22	0.00	0.08	55.12
Zelkova serrata	98	61.65	7,997.52	0.87	113.47	3,042.84	203.40	0.03	76.41	448,120.37
Ziziphus	1	0.00	0.35	0.00	0.07	1.52	0.10	0.00	0.04	55.12
Total	8,542	3,742.25	485,472.61	50.38	6,535.16	231,329.21	15,463.40	2.40	5,808.78	26,047,768.50

Carbon storage and gross carbon sequestration value is calculated based on the price of \$129.73 per ton

Avoided runoff value is calculated by the price \$0.067/ft³. The user-designated weather station reported 46.8 inches of total annual precipitation.

Pollution removal value is calculated based on the prices of \$1,468.513 per ton (CO), \$1,806.622 per ton (O3), \$288.548 per ton (NO2), \$74.016 per ton (SO2), \$29,319.162 per ton (PM2.5)

Structural value is the compensatory value calculated based on the local cost of having to replace a tree with a similar tree.