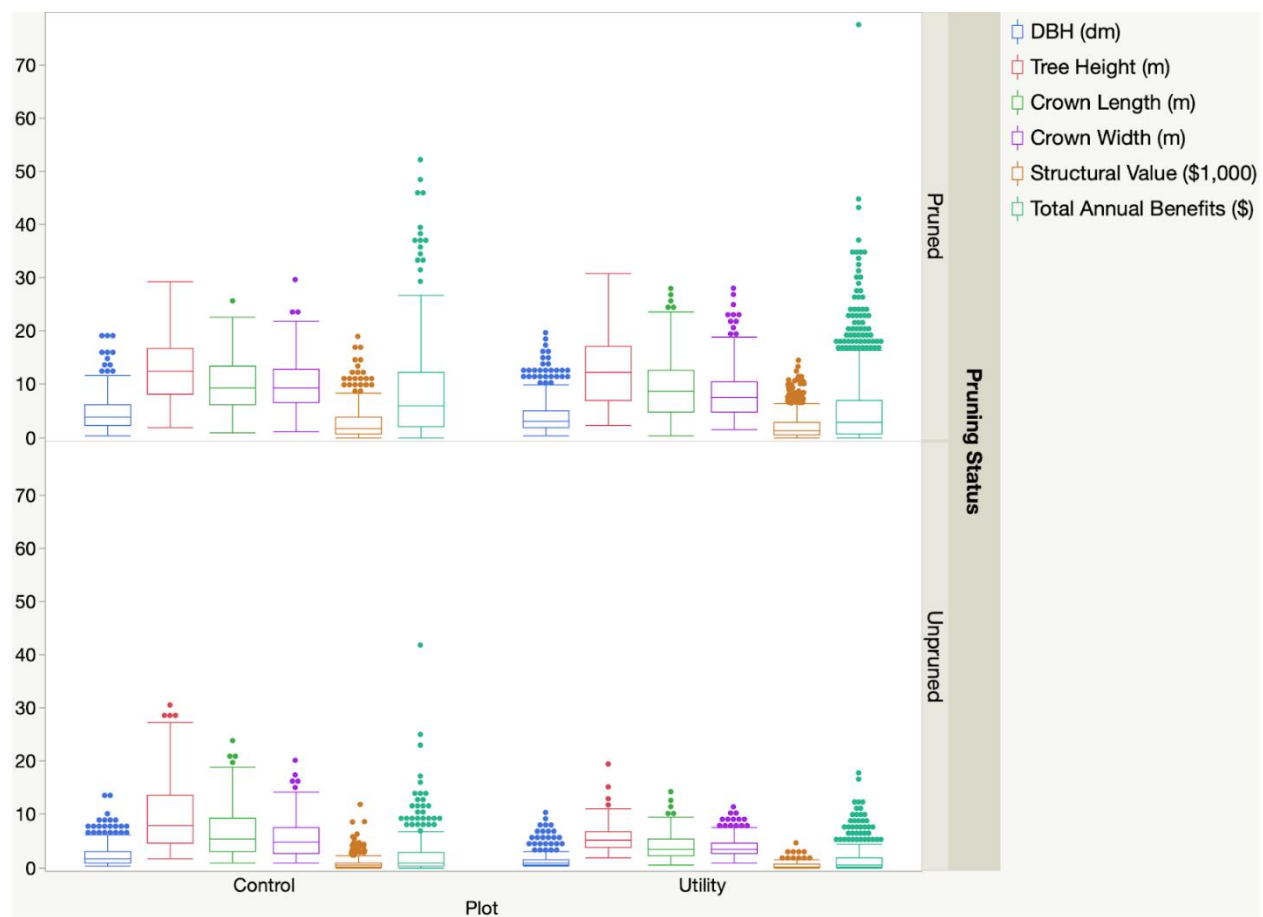


**Table S1.** Proportion of individuals in 8 genera that comprised 4% or more of the total sample within each combination of main effects (control and utility plots; pruned and unpruned trees). Mean tree sizes (diameter in cm measured 1.4 m above ground or “DBH”; tree height in m) and annual ecosystem benefits (\$/yr.) are also included.

		<i>Acer</i>	<i>Betula</i>	<i>Fraxinus</i>	<i>Pinus</i>	<i>Prunus</i>	<i>Quercus</i>	<i>Tilia</i>	<i>Ulmus</i>
All Trees	Proportion of Genus in Total Sample	24%	5%	4%	14%	6%	18%	4%	4%
Pruned Trees in Control Plots	Proportion of Genus Within the Subsample	34%	18%	6%	4%	1%	2%	7%	1%
	DBH (cm)	45	63	39	27	47	60	36	55
	Height (m)	13	9	12	11	8	16	11	13
	Total Annual Benefits (\$)	9.01	13.25	6.77	2.10	5.59	10.26	11.93	13.19
	Structural Value (\$)	3034.36	2176.63	1973.28	1392.83	1605.25	4112.74	1976.71	4089.12
Unpruned Trees in Control Plots	Proportion of Genus Within the Subsample	20%	19%	12%	6%	3%	9%	1%	1%
	DBH (cm)	25	22	28	19	31	26	28	14
	Height (m)	10	12	14	10	9	11	9	8
	Total Annual Benefits (\$)	2.57	1.71	0.79	1.14	3.23	2.70	3.49	2.60
	Structural Value (\$)	1011.31	514.09	374.78	735.73	879.43	1035.90	829.44	431.42

		<i>Acer</i>	<i>Betula</i>	<i>Fraxinus</i>	<i>Pinus</i>	<i>Prunus</i>	<i>Quercus</i>	<i>Tilia</i>	<i>Ulmus</i>
Pruned Trees in Utility Plots	Proportion of Genus Within the Subsample	26%	20%	16%	4%	7%	2%	4%	2%
	DBH (cm)	41	14	28	32	36	42	41	41
	Height (m)	13	7	13	14	9	16	11	12
	Total Annual Benefits (\$)	6.04	0.76	3.10	1.89	4.06	5.53	11.25	5.70
	Structural Value (\$)	2492.50	301.11	1156.57	1671.48	1401.76	2491.39	2466.30	2130.88
Unpruned Trees in Utility Plots	Proportion of Genus Within the Subsample	13%	10%	18%	11%	7%	5%	1%	6%
	DBH (cm)	14	7	5	9	13	12	22	17
	Height (m)	6	5	5	5	4	5	5	7
	Total Annual Benefits (\$)	1.91	0.79	0.15	0.28	1.93	0.67	6.48	3.26
	Structural Value (\$)	391.17	119.73	75.68	189.63	384.12	238.08	935.44	553.44



**Figure S1.** Box and whisker plot showing distribution of selected measurements (trunk diameter measured 1.4 m above ground or “DBH”, tree height, crown length and width, structural value, and total annual benefits –the latter two are from i-Tree Eco and values are per tree) for each combination of main effects (control and utility plots; pruned and unpruned trees). Upper and lower boundaries of the boxes are the third and first quartiles, respectively; lines inside the boxes indicate medians; whiskers indicate maximum and minimum values excluding outliers, shown as dots beyond the whiskers.