

Urban Forest Canopy of Madison

This map displays the urban forest canopy of Madison, Wisconsin, overlaid on an aerial photograph. The canopy is represented by green areas, while lakes are shown in blue. A legend in the top-left corner identifies these features. A scale bar at the bottom-left indicates distances in miles, ranging from 0 to 4.

Lakes

Existing Canopy

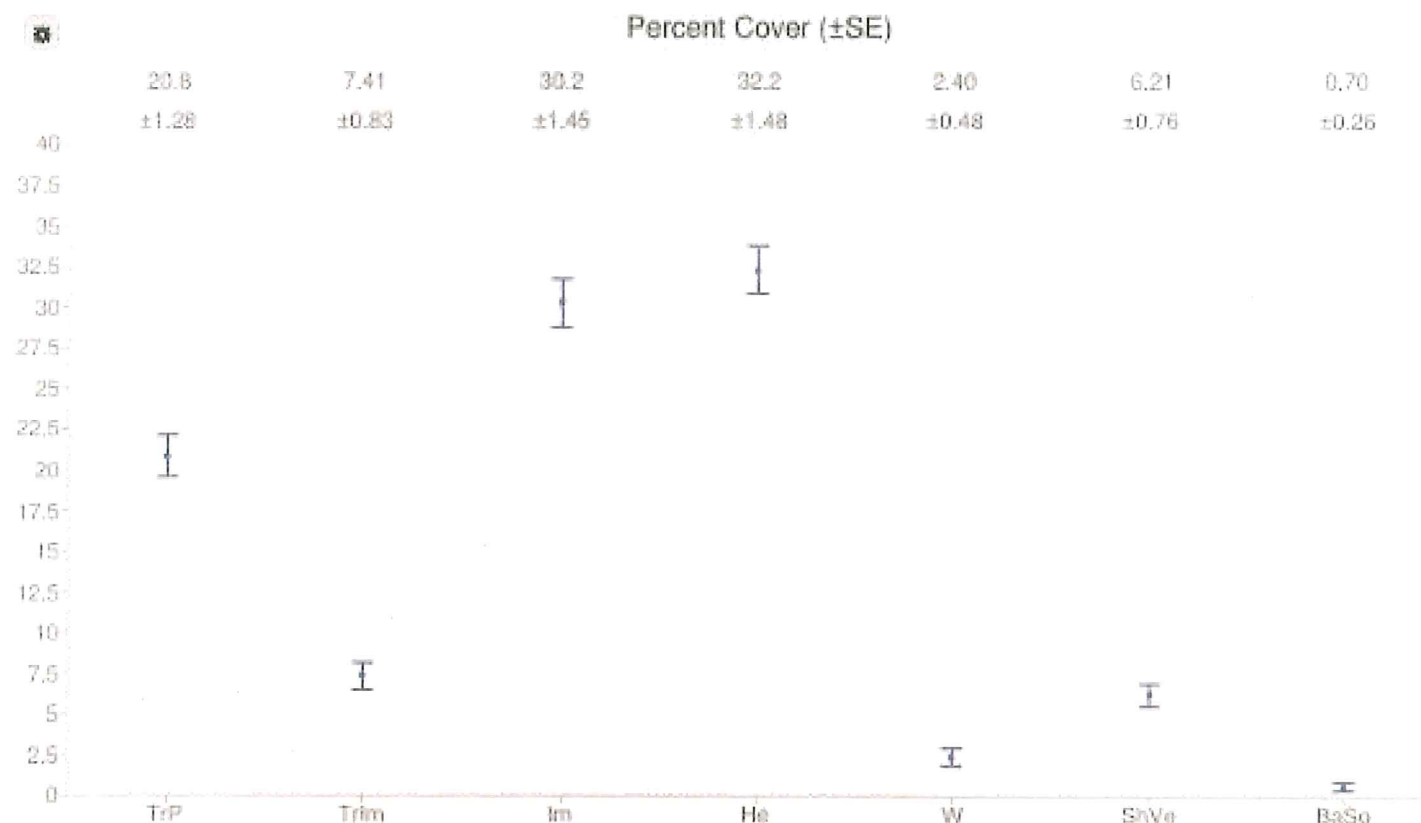
0 0.5 1 2 3 4 Miles

[illegible]

i-Tree Canopy v6.1

Cover Assessment and Tree Benefits Report

Estimated using random sampling statistics on 3/20/17



Cover Class	Description	Abbr.	Points	% Cover
Tree, Permeable	Tree, pervious underneath	TrP	208	20.8 $\pm$ 1.28
Tree, Impermeable	Tree, impervious underneath	TrIm	74	7.41 $\pm$ 0.83
Impermeable	Roof, pave, gravel	Im	302	30.2 $\pm$ 1.45
Herbaceous	Ag., turf	He	322	32.2 $\pm$ 1.48
Water	Surface and wetland	W	24	2.40 $\pm$ 0.48
Short Vegetation	Short woody vegetation	ShVe	62	6.21 $\pm$ 0.76
Bare Soil	Bare Soil	BaSo	7	0.70 $\pm$ 0.26

Tree Benefit Estimates

Abbr.	Benefit Description	Value	$\pm$ SE	Amount	$\pm$ SE
CO	Carbon Monoxide removed annually	\$3,120.90	$\pm$ 157.45	2.35 T	$\pm$ 0.12
NO2	Nitrogen Dioxide removed annually	\$18,300.19	$\pm$ 923.23	47.83 T	$\pm$ 2.41
O3	Ozone removed annually	\$518,488.19	$\pm$ 26,158.18	245.20 T	$\pm$ 12.37
PM2.5	Particulate Matter less than 2.5 microns removed annually	\$1,340,529.72	$\pm$ 67,628.34	16.81 T	$\pm$ 0.95
SO2	Sulfur Dioxide removed annually	\$1,011.55	$\pm$ 51.03	7.88 T	$\pm$ 0.40
PM10*	Particulate Matter greater than 2.5 microns and less than 10 microns removed annually	\$421,199.74	$\pm$ 21,249.09	67.43 T	$\pm$ 3.40
CO2seq	Carbon Dioxide sequestered annually in trees	\$1,839,081.55	$\pm$ 92,779.76	52,164.57 T	$\pm$ 2,631.65
CO2stor	Carbon Dioxide stored in trees (Note: this benefit is not an annual rate)	\$62,855,721.50	$\pm$ 3,171,006.23	1,782,889.13 T	$\pm$ 89,943.91