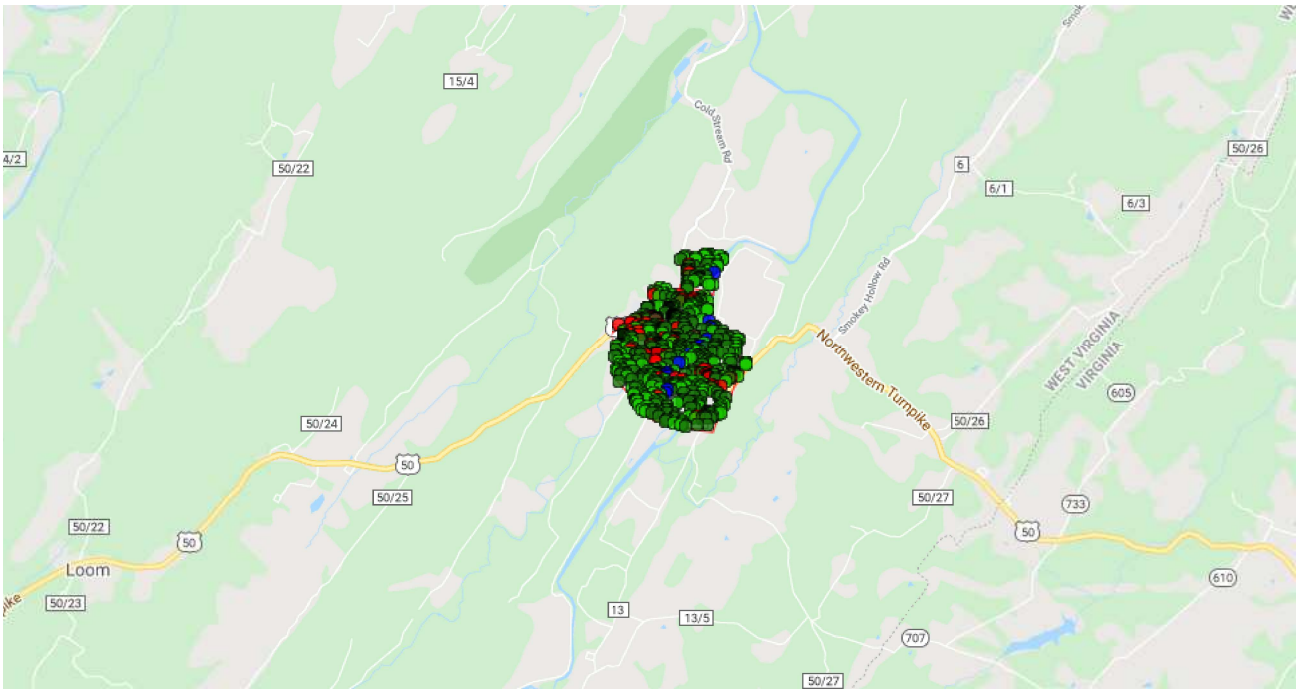
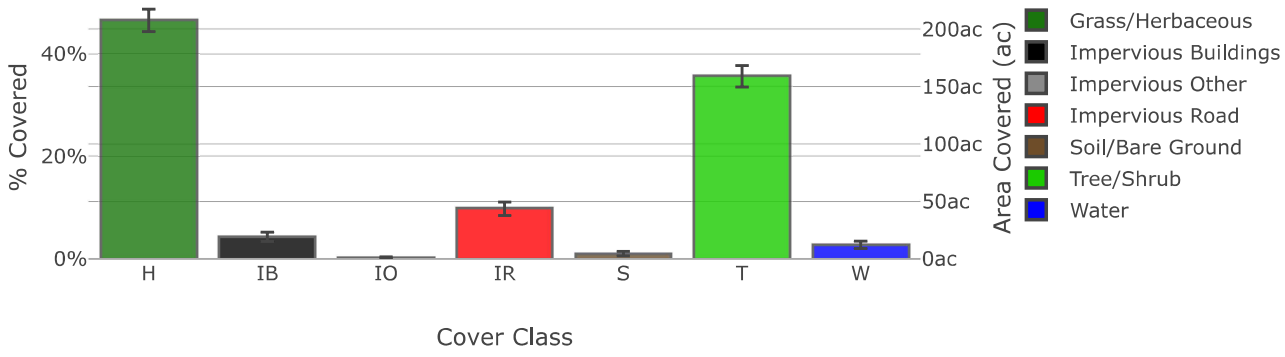
i-Tree Canopy v7.1

Cover Assessment and Tree Benefits Report

Estimated using random sampling statistics on 6/1/2021



Land Cover



Abbr.	Cover Class	Description	Points	% Cover ± SE	Area (ac) ± SE
H	Grass/Herbaceous		239	46.50 ± 2.20	207.75 ± 9.83
IB	Impervious Buildings		22	4.28 ± 0.89	19.12 ± 3.99
IO	Impervious Other		1	0.19 ± 0.19	0.87 ± 0.87
IR	Impervious Road		50	9.73 ± 1.31	43.46 ± 5.84
S	Soil/Bare Ground		5	0.97 ± 0.44	4.35 ± 1.94
T	Tree/Shrub		183	35.60 ± 2.11	159.07 ± 9.44
W	Water		14	2.72 ± 0.72	12.17 ± 3.21
Total			**514**	**100.00**	**446.79**

Tree Benefit Estimates: Carbon (English units)

Description	Carbon (oz)	±SE	CO_2 Equiv. (oz)	±SE	Value (USD)	±SE
Sequestered annually in trees	0.00	±0.00	0.00	±0.00	$0	±0
Stored in trees (Note: this benefit is not an annual rate)	175,119,439.05	±10,388,222.67	642,104,609.85	±38,090,149.78	$0	±0

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Amount sequestered is based on 0.000 oz of Carbon, or 0.000 oz of CO_2, per ac/yr and rounded. Amount stored is based on 1100880.205 oz of Carbon, or 4036560.751 oz of CO_2, per ac and rounded. Value (USD) is based on $0.00/oz of Carbon, or $0.00/oz of CO_2 and rounded. (English units: oz = ounces, ac = acres)

Tree Benefit Estimates: Air Pollution (English units)

Abbr.	Description	Amount (oz)	±SE	Value (USD)	±SE
CO	Carbon Monoxide removed annually	0.00	±0.00	$0	±0
NO2	Nitrogen Dioxide removed annually	0.00	±0.00	$0	±0
O3	Ozone removed annually	0.00	±0.00	$0	±0
SO2	Sulfur Dioxide removed annually	0.00	±0.00	$0	±0
PM2.5	Particulate Matter less than 2.5 microns removed annually	0.00	±0.00	$0	±0
PM10*	Particulate Matter greater than 2.5 microns and less than 10 microns removed annually	0.00	±0.00	$0	±0
Total		**0.00**	**±0.00**	**$0**	**±0**

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Air Pollution Estimates are based on these values in oz/ac/yr @ $/oz/yr and rounded:
CO 0.000 @ $0.00 | NO2 0.000 @ $0.00 | O3 0.000 @ $0.00 | SO2 0.000 @ $0.00 | PM2.5 0.000 @ $0.00 | PM10* 0.000 @ $0.00 (English units: oz = ounces, ac = acres)

Tree Benefit Estimates: Hydrological (English units)

Abbr.	Benefit	Amount (oz)	±SE	Value (USD)	±SE
AVRO	Avoided Runoff	0.00	±0.00	$0	±0
E	Evaporation	0.00	±0.00	N/A	N/A
I	Interception	0.00	±0.00	N/A	N/A
T	Transpiration	0.00	±0.00	N/A	N/A
PE	Potential Evaporation	0.00	±0.00	N/A	N/A
PET	Potential Evapotranspiration	0.00	±0.00	N/A	N/A

Currency is in USD and rounded. Standard errors of removal and benefit amounts are based on standard errors of sampled and classified points. Hydrological Estimates are based on these values in oz/ac/yr @ $/oz/yr and rounded:
AVRO 0.000 @ $0.00 | E 0.000 @ N/A | I 0.000 @ N/A | T 0.000 @ N/A | PE 0.000 @ N/A | PET 0.000 @ N/A (English units: oz = ounces, ac = acres)

About i-Tree Canopy

The concept and prototype of this program were developed by David J. Nowak, Jeffery T. Walton, and Eric J. Greenfield (USDA Forest Service). The current version of this program was developed and adapted to i-Tree by David Ellingsworth, Mike Binkley, and Scott Maco (The Davey Tree Expert Company)

Limitations of i-Tree Canopy

The accuracy of the analysis depends upon the ability of the user to correctly classify each point into its correct class. As the number of points increase, the precision of the estimate will increase as the standard error of the estimate will decrease. If too few points are classified, the standard error will be too high to have any real certainty of the estimate.

Additional support provided by:

Use of this tool indicates acceptance of the EULA.