Field Name	Description	Values/Units	Source
ID	Unique identification number for		Citizen Pruner
	each tree.		
Common Name	Common tree name.		Citizen Pruner
Scientific Name	Scientific tree name.		Citizen Pruner
UFORE Species Code	UFORE (Urban Forest Effects)	4 or 5 digit code	Citizen Pruner
	urban forest software that		
	analyzes tree pollution removal		
	and emission and calculates		
	quantity and dollar value. The		
	program uses a 4 or 5 digit		
	alphanumeric code by tree		
	species.		
Native to Local Area	Native to local area?	yes or no	Citizen Pruner
Address	Street address of tree.		Citizen Pruner
Location	Location of the tree in relation to	front, side, back, adjacent,	Citizen Pruner
	street address.	across, in the median, or	
		designated/assigned an	
		address	
Borough	NYC Borough	Bronx, Manhattan, Staten	Citizen Pruner
		Island	
Pit	Is tree planted in the area	yes or no	Citizen Pruner
	between the sidewalk and the		
	curb? Is the tree in a pit?		
Pit Size (ft ²)	Area of the tree pit in square	ft ²	Citizen Pruner
, ,	feet.		
Pit Condition	Conditon of the planted area.	good, fair, planted,	Citizen Pruner
		compacted, standing water,	
		weeds, bad	
Expand Grate	Does the iron grate covering the	yes or no	Citizen Pruner
	tree pit need to be expanded?		
Tree Condition	Tree condition	Excellent, Good , Poor, or	Citizen Pruner
		Dead	
Stems at Breast Height	# of trunks the tree has at 4 1/2		Citizen Pruner
	feet up from the ground.		
Diameter at Breast Height	Diameter in centimeters of tree	cm	Citizen Pruner
(cm)	trunk(s) at 4 1/2 feet up from the		
	ground.		
Tree Height (m)	Tree height in meters.	m	Citizen Pruner
Age (yrs)	Rough estimate of a tree's age	years	Citizen Pruner
	based on multiplying the tree		
	DBH by a factor, usually 4.		
Foliage Density (%)	Estimate to the nearest 5	%	Citizen Pruner
	percent of the crown volume that		
	is occupied by leaves.		

Source: TreesNY and CENYC, Citizen Pruners, and USDA Forest Service, Northeastern Research Station, 2002

Field Name	Description	Values/Units	Source
Canopy Area (m ²)	Canopy or crown diameter is the average in square meters of 2 perpendicular measurements taken from one edge of the tree's drip line to the other.	m ²	Citizen Pruner
Leaf Area (m ²)	Amount of leaf area in square meters (one side) on the tree calculated by UFORE.	m ²	US Forest Service
Leaf Biomass (kg)	Dry weight of the leaf biomass in kg calculated by UFORE.	kg	US Forest Service
Leaf Area Index	Leaf area divided by canopy area.		US Forest Service
Carbon Storage (kg)	Amount of carbon currently stored within the tree, accumulated over the life of the tree (kg).	kg	US Forest Service
Carbon Storage Value (\$)	Value of the carbon storage in (\$) based on the estimated marginal social costs of carbon dioxide emissions of \$20.3 per ton of Carbon.	\$	US Forest Service
Carbon Sequestration (kg/year)	Estimated amount of carbon in kilograms per year to be accumulated over the next year due to tree growth.	kg/year	US Forest Service
Carbon Sequestration Value (\$/year)	Value of the carbon sequestration in \$/year based on the estimated marginal social costs of carbon dioxide emissions of \$20.3 per ton of Carbon.	\$/year	US Forest Service
Carbon Monoxide (g/year)	Amount of carbon monoxide pollution in grams per year removed by the tree based on 2000 pollution and weather conditions.	g/year	US Forest Service
Ozone (g/year)	Amount of ozone pollution in grams/year removed by the tree based on 2000 pollution and weather conditions.	g/year	US Forest Service
NO ₂ (g/year)	Amount of nitrogen oxide pollution in grams/year removed by the tree based on 2000 pollution and weather conditions.	g/year	US Forest Service

Source: TreesNY and CENYC, Citizen Pruners, and USDA Forest Service, Northeastern Research Station, 2002

Field Name	Description	Values/Units	Source
PM10 (g/year)	Amount of particulate matter (less than 10 microns in diameter) in grams/year removed by the tree based on 2000 pollution and weather conditions.	g/year	US Forest Service
Sulfur Dioxide (g/year)	Amount of sulfur dioxide pollution in grams/year removed by the tree based on 2000 pollution and weather conditions	g/year	US Forest Service
Total Pollutants (g/year)	Total pollution in grams/year of carbon monoxide, nitrogen dioxide, ozone, particulate matter less than 10 microns, and sulfur dioxide removed by the tree based on 2000 pollution and weather conditions.		US Forest Service
Carbon Monoxide (\$/year)	Value in \$/year of carbon monoxide pollution removal based on median externality values for United States.	\$/year	US Forest Service
Ozone (\$/year)	Value in \$/year of ozone pollution removal based on median externality values for United States.	\$/year	US Forest Service
NO ₂ (\$/year)	Value in \$/year of nitrogen oxide pollution removal based on median externality values for United States.	\$/year	US Forest Service
PM10 (\$/year)	Value in \$/year of particulate matter (less than 10 microns in diameter) removal based on median externality values for United States.	\$/year	US Forest Service
Sulfur Dioxide (\$/year)	Value in \$/year of sulfur dioxide pollution removal based on median externality values for United States.	\$/year	US Forest Service
Total (\$/year)	Value in \$/year of total pollution removal based on median externality values for United States.	\$/year	US Forest Service
Isoprene (g/year)	Annual volatile organic compound emissions by the tree of isoprene in grams/year based on 2000 weather conditions.	g/year	US Forest Service

Source: TreesNY and CENYC, Citizen Pruners, and USDA Forest Service, Northeastern Research Station, 2002

Field Name	Description	Values/Units	Source
Monoterpene (g/year)	Annual volatile organic compound emissions by the tree of monoterpene in grams/year based on 2000 weather	g/year	US Forest Service
	conditions.		
Other VOC (g/year)	Annual emissions by the tree of other volatile organic compounds in grams/year based on 2000 weather conditions.	g/year	US Forest Service
Total VOC	Annual total volatile organic compound emissions by the tree in grams/year based on 2000 weather conditions.	g/year	US Forest Service
Compensatory Value (\$)	Value of tree in \$ based on a combination of Council of Tree and Landscape Appraisers (CTLA) formulas.	\$	US Forest Service
Date Surveyed	Date tree survey took place		Citizen Pruner
Surveyed by	Citizen Pruner		Citizen Pruner
Comments	Comments by Citizen Pruner		Citizen Pruner

Source: TreesNY and CENYC, Citizen Pruners of NYC, and USDA Forest Service, Northeastern Research Station, 2002