2015 Street Tree Census - Tree Data

Street tree data from the TreesCount! 2015 Street Tree Census, conducted by volunteers and staff organized by NYC Parks & Recreation and partner organizations. As of June 2016, mapping is still in progress – this is a partial release. Tree data collected includes tree species, diameter and perception of health. Accompanying blockface data is available indicating status of data collection and data release citywide.

Field	Field Name as it appears in Dataset	Data Field Source	Type	Description	Notes
Unique Tree ID Number	tree_id	Automatically generated by 2015 census software	Long Integer	Unique identification number for each tree point.	This number is automatically assigned by the TreesCount software and is used to identify the tree point. It specifically identifies data entered by a specific user on a specific survey, not the tree itself - so if a survey is found to be inaccurate and the block is re-surveyed, the ID numbers assigned to each tree point will not be re-used. Note that the identification number assigned to each tree is not consistent between surveys, so this number cannot be used to join a tree from the 2015 census to the same tree from 2005 or 1995.
Identification number of the blockface that the tree is mapped on	block_id	User collected data in the 2015 census	Long Integer	Identifier linking each tree to the block in the blockface table/shapefile that it is mapped on.	At the beginning of each block survey, the user chooses the blockface on which they are mapping. The tree points collected during this survey are applied to a geographic feature called a blockface, which is a slightly simplified curb line that usually represents the curb line for one side of a street between two intersections.
Date trees were mapped	created_at	Automatically generated by 2015 census software	Date	The date tree points were collected in the census software.	In the event trees were mapped on paper and entered into the software at a later time, this date is for the time data entry was completed. The same creation date is applied to all trees on a given block.
Diameter at breast height of tree	tree_dbh	User collected data in the 2015 census, subsequently processed	Short Integer	Diameter of the tree, measured at approximately 54" / 137cm above the ground. Data was collected for both living and dead trees; for stumps, use stump_diam	Because standard measuring tapes are more accessible than forestry-specific measuring tapes designed to measure diameter, users originally measured tree circumference in the field. To better match other forestry datasets, this circumference value was subsequently divided by 3.14159 to transform it to diameter. Both the field measurement and processed value were rounded to the nearest whole inch.
Diameter of stump	stump_diam	User collected data in the 2015 census	Short Integer	Diameter of stump measured through the center, rounded to the nearest inch.	Only applies to records where "status" is "Stump." Diameter can be directly measured on stumps since a flat cross-section is accessible.
Whether tree is along or offset from the curb	curb_loc	User collected data in the 2015 census	Domain Values: OnCurb OffsetFromCurb	Location of tree bed in relationship to the curb; trees are either along the curb (OnCurb) or offset from the curb (OffsetFromCurb)	A tree identified as being on the curb will have the point placed 2.5 feet from the blockface line; a tree identified as being offset will have the point placed 12 feet from the curb line.
Tree Status	status	User collected data in the 2015 census	Domain Values: Alive Dead Stump	Indicates whether the tree is alive, standing dead, or a stump.	
Tree Health	health	User collected data in the 2015 census	Domain Values: Good Fair Poor	Indicates the user's perception of tree health.	Field left blank if the tree is dead or stump.
Scientific / latin name of tree species	spc_latin	User collected data in the 2015 census	Text	Scientific name for species, e.g. "Acer rubrum"	For a list of common tree species found and planted in New York City, visit: https://www.nycgovparks.org/trees/street-tree-planting/species-list
Common name of tree species	spc_common	User collected data in the 2015 census	Text	Common name for species, e.g. "red maple"	For a list of common tree species found and planted in New York City, visit: https://www.nycgovparks.org/trees/street-tree-planting/species-list

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Number of signs of stewardship observed	steward	User collected data in the 2015 census	Domain Values: 1or2 3or4 4orMore None	Indicates the number of unique signs of stewardship observed for this tree. Not recorded for stumps or dead trees.	Information on how users were trained to identify signs of stewardship can be found in the 'Training' Section of http://treescount.nycgovparks.org or in the training PDF found here: https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf Below is a short list of the most common examples of what counts as one stewardship activity: -Helpful tree guards that do not appear professionally installed -Mulch or woodchips -Intentionally-planted flowers or other plants -Signs related to care of the tree or bed, other than those installed by Parks -Decorations (not including wires or lights added to the tree) -Seating in the tree bed, usually as part of the tree guard -Viewing someone performing a stewardship activity during the survey
Presence and type of tree guard	guards	User collected data in the 2015 census	Domain Values: Harmful Helpful None Unsure	Indicates whether a guard is present, and if the user felt it was a helpful or harmful guard. Not recorded for dead trees and stumps.	Values Harmful, Helpful, and Unsure all indicate that a tree guard is present. A tree guard is considered 'helpful' if it doesn't impede water getting to the tree and does not raise the soil level or trap debris in the pit. A full description of helpful and harmful tree guards can be found here: https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Sidewalk damage immediately adjacent to tree	sidewalk	User collected data in the 2015 census	Domain Values: Damage NoDamage	Indicates whether one of the sidewalk flags immediately adjacent to the tree was damaged, cracked, or lifted. Not recorded for dead trees and stumps.	Refer to the training PDF for more information on how users were instructed to define sidewalk damage: https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Category of user who collected this tree point	user_type	Automatically generated by 2015 census software, processed	Domain Values: Volunteer TreesCount Staff NYC Parks Staff	This field describes the category of user who collected this tree point's data.	A 'volunteer' is an unpaid individual who participated in the tree census without being professionally affiliated to NYC Parks. This can include independent mappers, mapping event participants, and members or staff of census partner groups. 'TreesCount Staff' are paid staff hired specifically to assist in the 2015 Street Tree Census, and includes paid data collection staff, event staff, and support staff. 'NYC Parks Staff' are full or part time staff working for NYC Parks who were not explicitly hired to assist with the tree census. All users who identified as Parks Staff are included in this category, whether their participation was part of their paid duties or on their own time.
Root problems caused by paving stones in the tree bed	root_stone	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a root problem caused by paving stones in tree bed	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Root problems caused by metal grates	root_grate	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a root problem caused by metal grates in tree bed	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Presence of other root problems	root_other	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of other root problems	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Trunk problems caused by rope or wires	trunk_wire	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a trunk problem caused by wires or rope wrapped around the trunk	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Trunk problems caused by lights	trnk_light	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a trunk problem caused by lighting installed on the tree	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Presence of other trunk problems	trnk_other	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of other trunk problems	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Branch problems caused by lights or wires	brch_light	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a branch problem caused by lights (usually string lights) or wires in the branches	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Branch problems caused by shoes	brch_shoe	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of a branch problem caused by sneakers in the branches	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf

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Presence of other branch problems	brch_other	User collected data in the 2015 census, subsequently processed	Domain Values: Yes No	Indicates the presence of other branch problems	For more information about this issue, consult the training PDF available at https://treescount.nycgovparks.org/static/training/TreesCount2015Training.pdf
Estimated street address of tree	address	Geocoded based on tree point location	Text	Street address tree is estimated to be nearest	This field is generated by joining a tree point's geometric location to the nearest address point, using the publicly-available DOITT Address Point file found here: https://data.cityofnewyork.us/City-Government/NYC-Address-Points/4iq4-tuhq
Zipcode tree point is in	zipcode	Geocoded based on tree point location	Long Integer	Five-digit zipcode tree is located in.	Note that zipcode is derived by comparing the tree's physical location to a zipcode polygon file, not geocoded using the estimated address.
City, as derived from zipcode	zip_city	Geocoded based on tree point location	Text	City as derived from zipcode. This is often (but not always) the same as borough.	This is also the 'Post Office Name,' or PO_NAME in the original zipcode file.
Community board tree point is in	cb_num	Geocoded based on tree point location	Short Integer	Community board tree point falls in.	Note that community board is derived by comparing the tree's physical location to a community board polygon file, not geocoded using the estimated address.
Numeric code of borough tree is in	borocode	Geocoded based on tree point location	Short Integer Domain values: 1 (Manhattan) 2 (Bronx) 3 (Brooklyn) 4 (Queens) 5 (Staten Island)	Borough tree point falls in	
Name of borough tree point is in	boroname	Geocoded based on tree point location	Domain Values: Manhattan Bronx Brooklyn Queens Staten Island	Borough tree point falls in	
New York City Council District tree point is in	cncldist	Geocoded based on tree point location	Short Integer	Council district tree point falls in	
State Assembly District tree point is in	st_assem	Geocoded based on tree point location	Short Integer	State Assembly District tree point is in	
State Senate District tree point is in	st_senate	Geocoded based on tree point location	Short Integer	State Senate District tree point is in	
Neighborhood Tabulation Area Code	nta	Geocoded based on tree point location	Text	This is the NTA Code corresponding to the neighborhood tabulation area from the 2010 US Census that the tree point falls into.	
Neighborhood tabulation area name	nta_name	Geocoded based on tree point location	Text	This is the NTA name corresponding to the neighborhood tabulation area from the 2010 US Census that the tree point falls into.	This is intended to help users of this dataset who would like to aggregate trees by neighborhood.
Census Tract	boro_ct	Geocoded based on tree point location	Long Integer	This is the boro_ct identifyer for the census tract that the tree point falls into.	Geocoding for census tract uses the census tracts developed by the Department of City Planning, which are slightly adjusted to better align ot the street grid. That file is available here: https://data.cityofnewyork.us/City-Government/2010-Census-Tracts/fxpq-c8ku
State	state	Field Calculated for All Values	Text	All features given value 'New York'	
Latitude of tree point	latitude	Automatically generated by 2015 census software	Double	Latitude of point, in decimal degrees	latitude of the point in the coordinate system GCS_WGS_1984. In decimal degrees. This coordinate is appropriate for use in web mapping software.
Longitude of tree point	longitude	Automatically generated by 2015 census software	Double	Longitude of point, in decimal degrees	longitude of the point in the coordinate system GCS_WGS_1984. In decimal degrees. This coordinate is appropriate for use in web mapping software.
X coordinate of tree point	x_sp	Automatically generated by 2015 census software	Double	X coordinate, in state plane. Units are feet.	X coordinate of point in the coordinate system NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet. This is the coordinate system used by a majority of geographic data files available on the NYC open data portal. For more information about state plane, visit http://www.ngs.noaa.gov/TOOLS/spc.shtml

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Y coordinate of tree point	y_sp	Automatically generated by 2015 census software	Double	Y coordinate, in state plane. Units are feet	Y coordinate of point in the coordinate system NAD_1983_StatePlane_New_York_Long_Island_FIPS_3104_Feet. This is the coordinate system used by a majority of geographic data files available on the NYC open data portal. For more information about state plane, visit http://www.ngs.noaa.gov/TOOLS/spc.shtml