



How Parks Procures and Plants Street Trees

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Group

Parks

Red Oak (*Quercus rubra*)



London Planetree (*Platanus x acerifolia*)



Japanese Snowbell (*Styrax japonica*)



'Okame' Cherry (*Prunus x okame*)



Extension of a Vision



Katsuratree (*Cercidiphyllum japonicum*) in autumn

Upward and Outward



Urban Foresters



A Numbers-Game

On average 140-150 unique trees planted each season

- 41 Unique genera of trees
- 22 Unique families of trees
- Species or Cultivar Specific
 - 24 species of Oaks
 - 23 Cultivars of Cherries
 - 12 Cultivars of Elms
 - 10 Cultivars of Lindens
 - 7 Cultivars of Sweetgum
 - 5 Cultivars of Honeylocusts

Kentucky Coffeetree (*Gymnocladus dioica*)



Persian Parrotia (*Parrotia persica*)



American Hornbeam (*Carpinus caroliniana*)



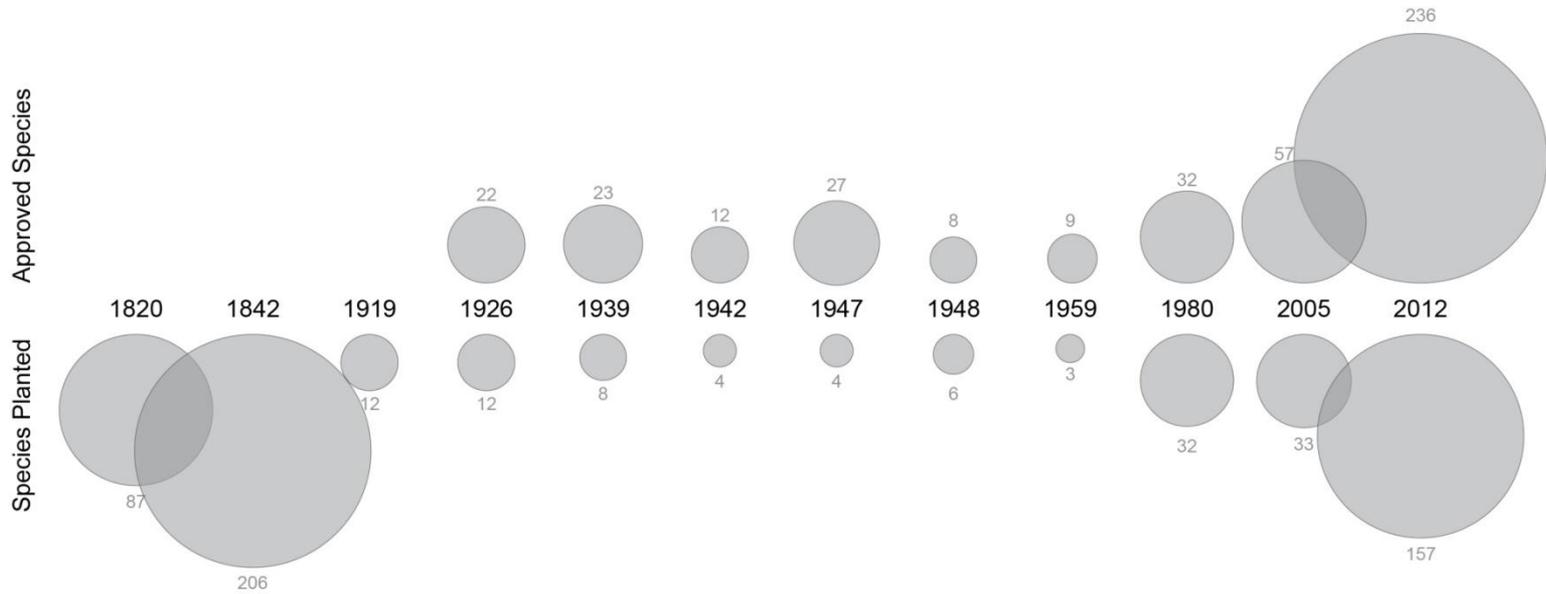
Magnolia 'Rustica Rubra' (*Magnolia x soulingeana* 'Rustica Rubra')



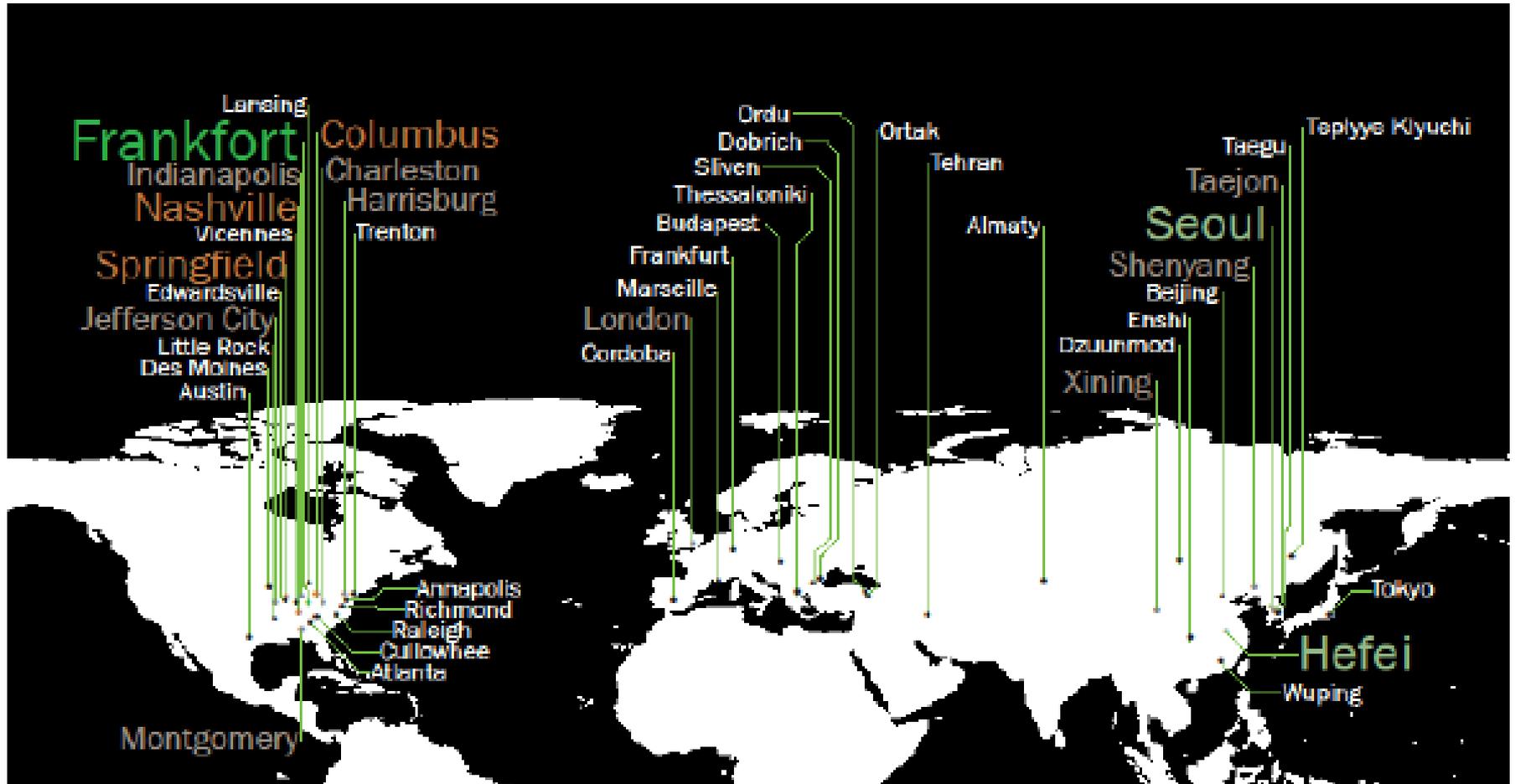
'Regal Prince Oak (*Quercus* 'Regal Prince')



Types of trees



From Where They Hail





Tree Planting Standards



**City of New York
Parks & Recreation**

Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner

April 2008



A. PLANTS

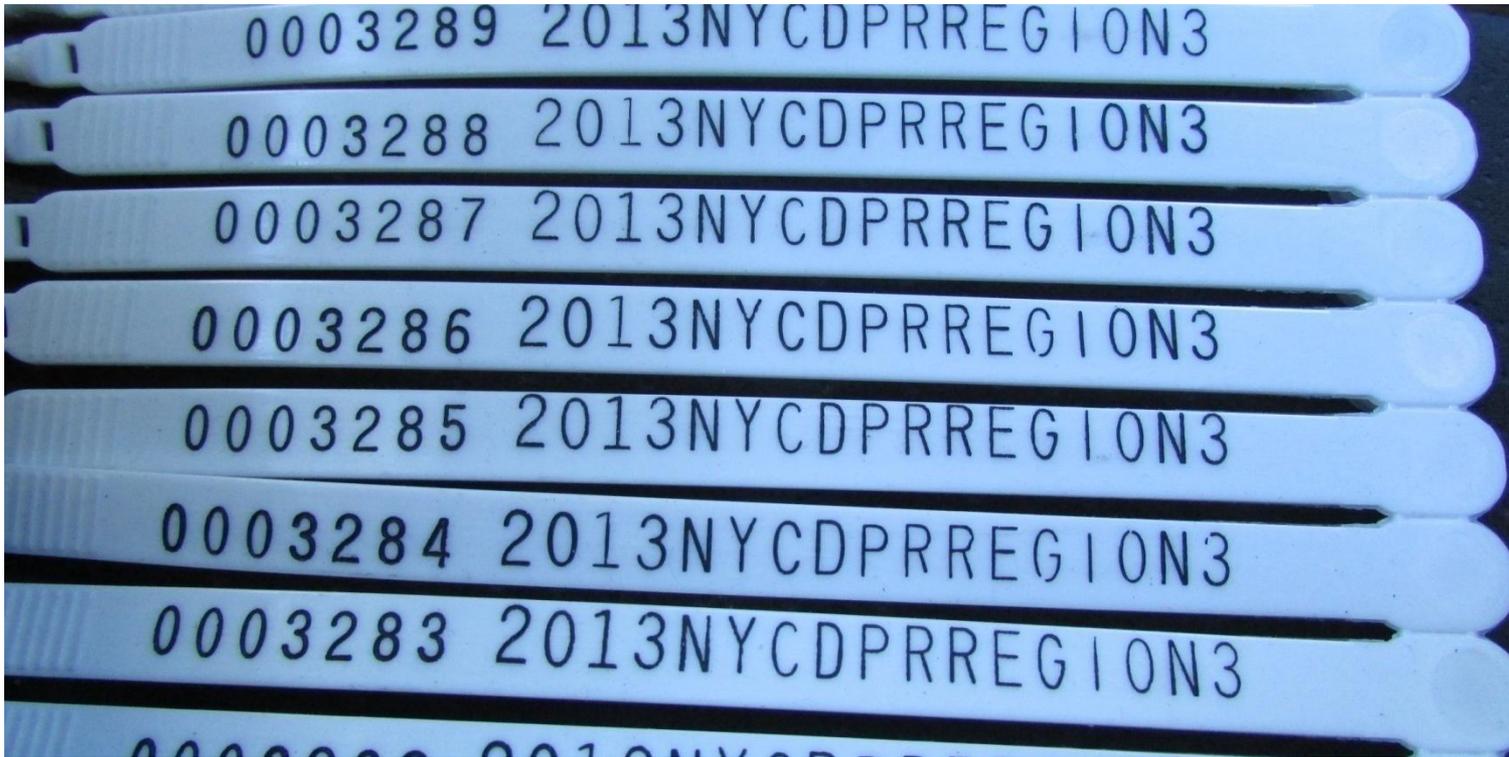
- a. Digging.* All trees shall be dug immediately before moving unless otherwise specified. All trees shall be dug to retain as many fibrous roots as possible. Balled and burlapped trees shall have a solid ball of earth of the minimum specified size (28”), securely held in place by untreated burlap and stout rope (nylon rope is NOT acceptable). Oversize or exceptionally heavy trees are acceptable if the size of the ball or spread of roots is proportionally increased. Loose, broken, or manufactured balls are unacceptable.
- b. Form and structure.* All trees shall be typical of their species or cultivar. They shall have normal, well developed branches and a fibrous root system. They shall be sound, healthy, vigorous trees, free from defects, disfiguring knots, sunscald, injuries, abrasions of the bark, plant diseases, insect eggs, borers and all forms of infestations. All trees shall have a single, straight trunk, with leader intact and be branched at least six feet from the ground. All trees shall be limbed up to a minimum of 5 feet.
- c. Provenance and tree size.* All trees shall be nursery grown in a USDA hardiness zone of 7B or lower (material collected from the wild is unacceptable), except with permission from Central Forestry. Tree size shall be at least 2.5 inches measured at six inches from the ground and no larger than 3.5 inches in caliper unless otherwise authorized by Parks & Recreation.
- d. Plant names.* Plant names shall agree with the nomenclature of “Standardized Plant Names” as adopted by the American Joint Committee on Horticultural Nomenclature 1942 edition. Size and grading standards shall conform to those of the American Association of Nurserymen American Standards for Nursery Stock, 1996 Edition, unless otherwise specified. All tree cultivars, patented or otherwise must be certified by the supplying nursery. All nurseries shall be required to have a registration certificate from the Department of Agriculture & Markets, Division of Plant Industry, New York State certifying that plant material is apparently free from injurious insect and plant diseases. A similar certificate shall be required from other states where plant material is obtained.
- e. Species selection.* Species shall be selected from the list of approved Street Trees for New York City. Guidelines on this chart must be followed, as well as any conditions described on the permit. Restrictions may include species recommended for specific planting seasons and locations. Ultimately, it is Parks decision what species of tree will be planted. Take special note of species prohibited from planting in Brooklyn, Manhattan, Queens, and parts of Staten Island due to the Asian Longhorned Beetle.

B. BACKFILL

Material shall consist of natural loam topsoil with the addition of humus only, and no other soil type, such as a sand or clay soil type, shall be accepted. Topsoil must be free from subsoil, obtained from an area which has never been stripped. It shall be removed to a depth of one (1) foot, or less if subsoil is encountered. Topsoil shall be of uniform quality, free from hard clods, stiff clay, hardpan, sods, partially disintegrated stone, lime, cement, ashes, slag, concrete, tar residues, tarred paper, boards, chips, sticks or any other



Tagging



Tree tags

Tagging



Shantung Maple—(*Acer truncatum*)

Tagging



Japanese Zelkova – *Zelkova serrata*

Tagging



Metasequoia 'Gold Rush'

The Dog Days





Excurrent – Well-defined Central Leader



Decurrent – No Defined Leader



Decurrent – No Defined Leader



Limb Height



**‘Akebono’ Cherry (*Prunus x yedoensis*
‘Akebono’)**



Planting Depth



Planting Depth, Cont.



Root Flare



Cosmetics



Pruning Wounds



A Full Head of ...



Bright Light, Big City





NYC Parks



Bright Lights, Big City, Version 2



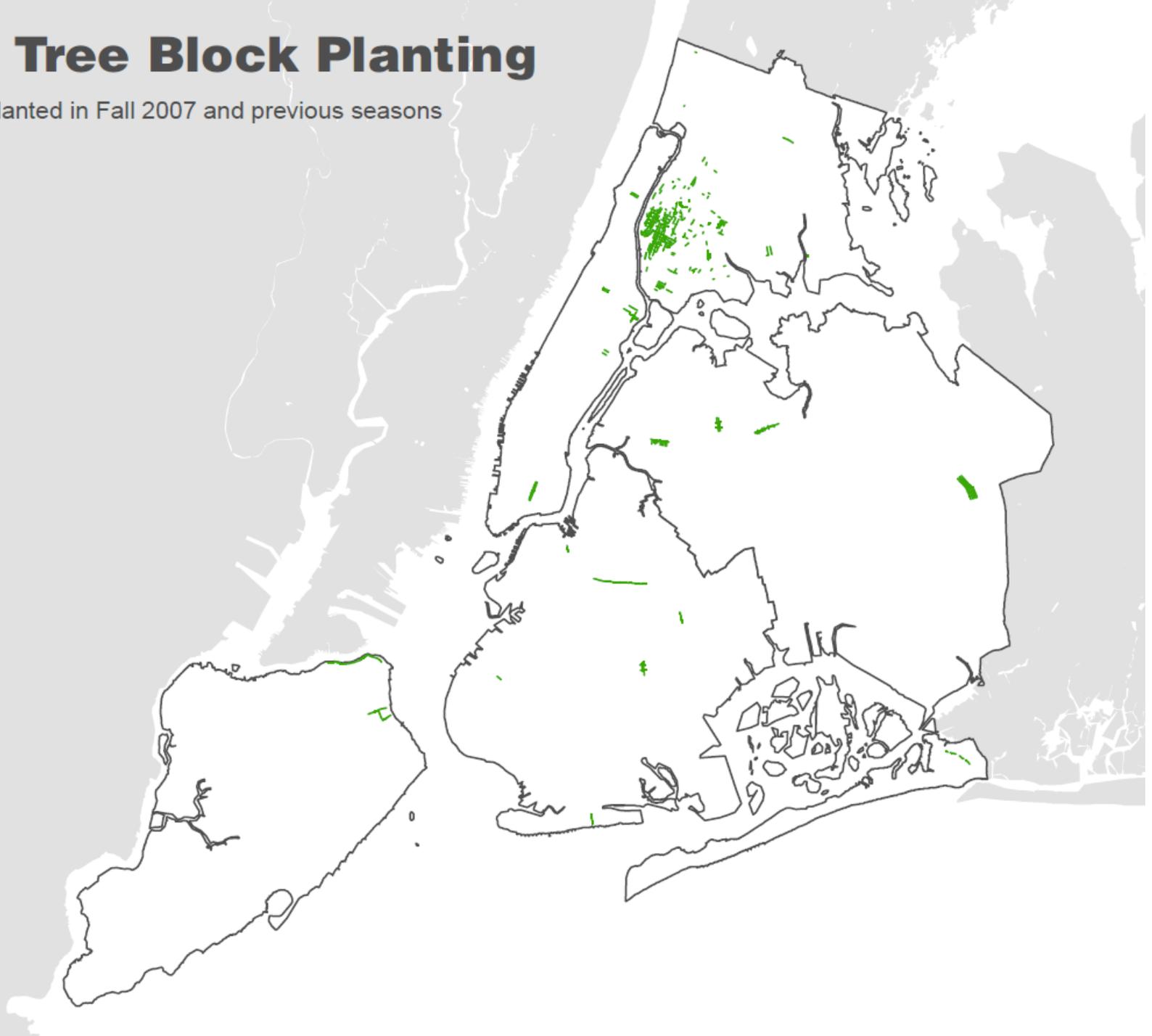
Underground utilities





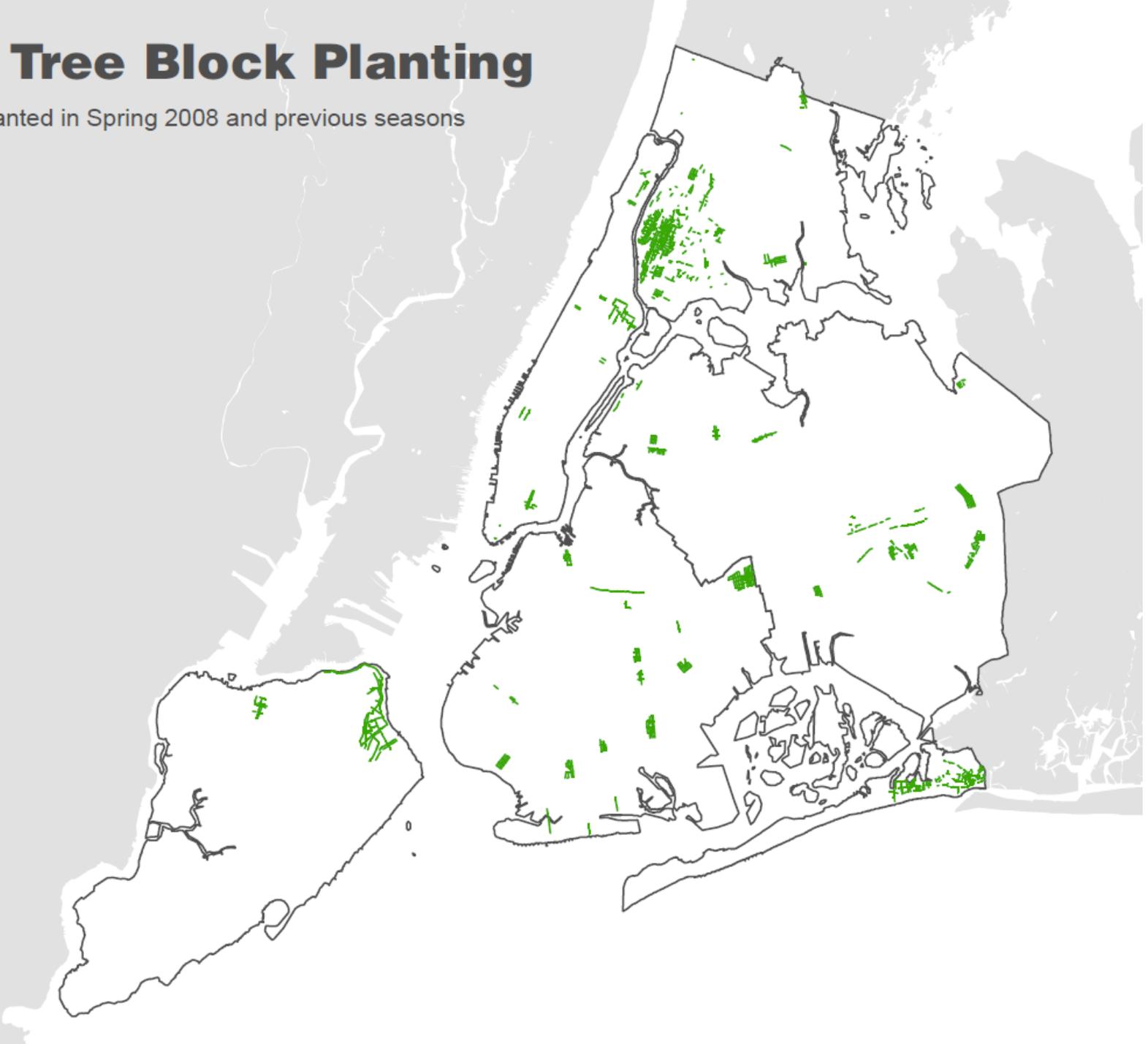
Street Tree Block Planting

— Planted in Fall 2007 and previous seasons



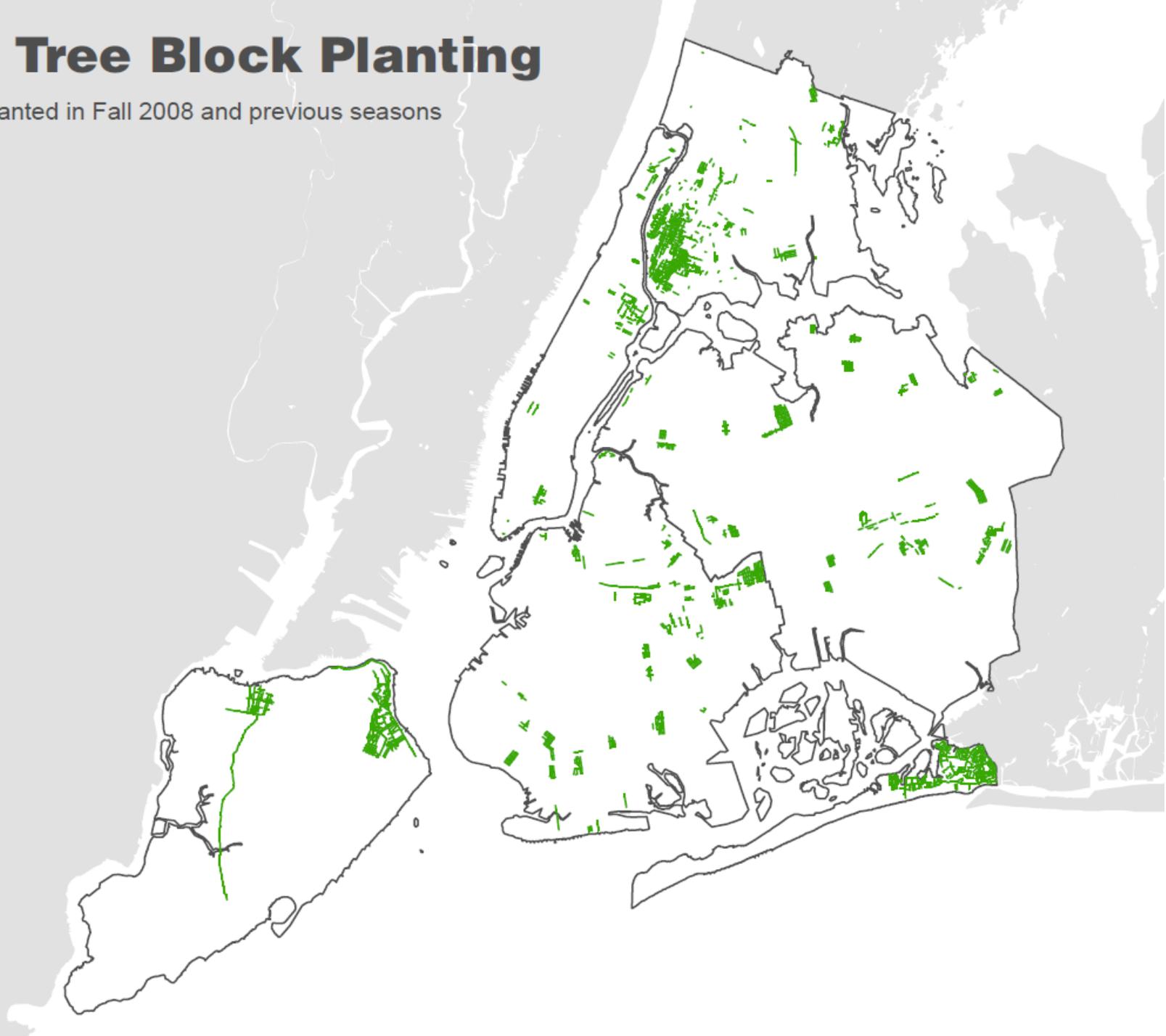
Street Tree Block Planting

— Planted in Spring 2008 and previous seasons



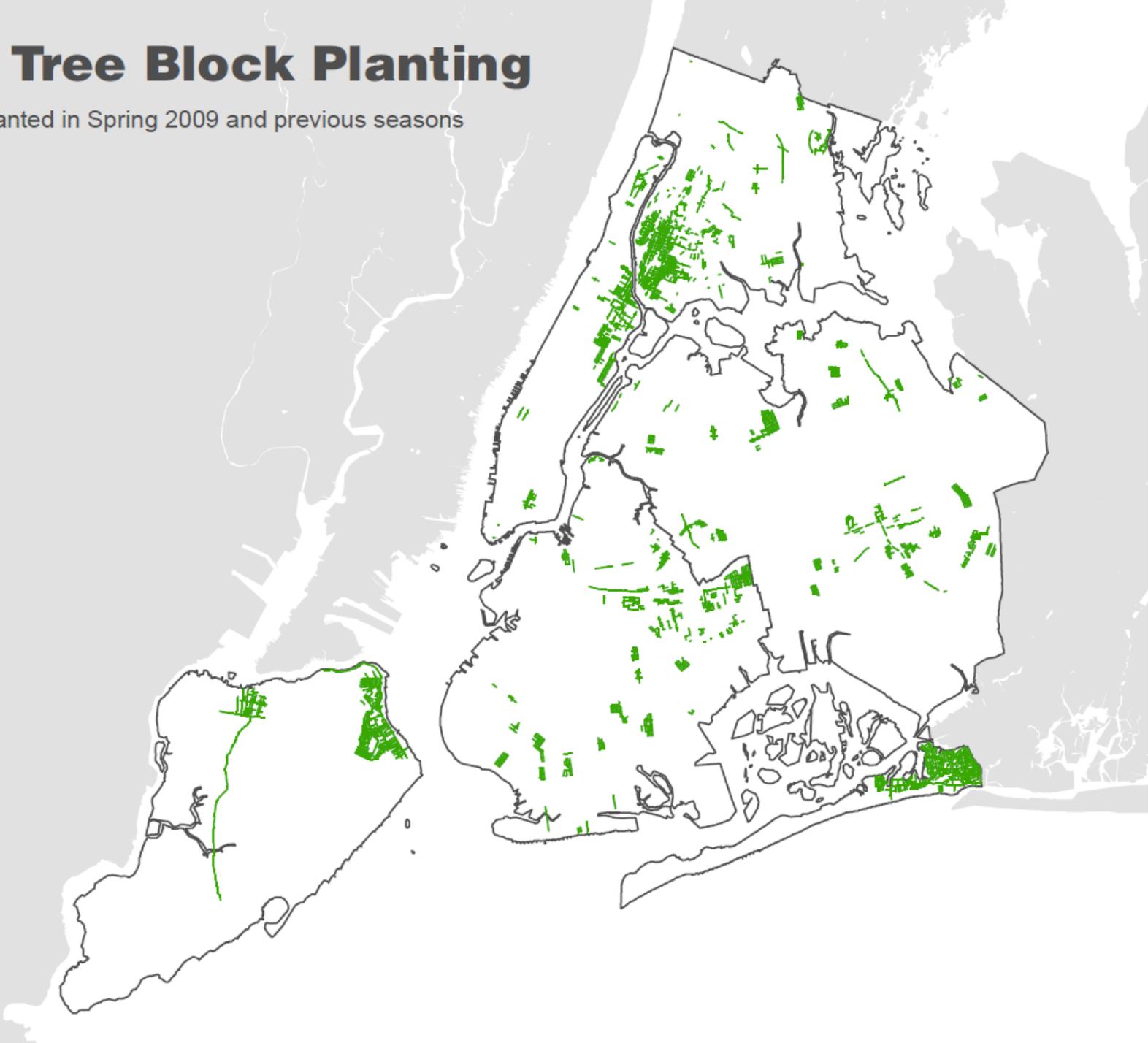
Street Tree Block Planting

— Planted in Fall 2008 and previous seasons



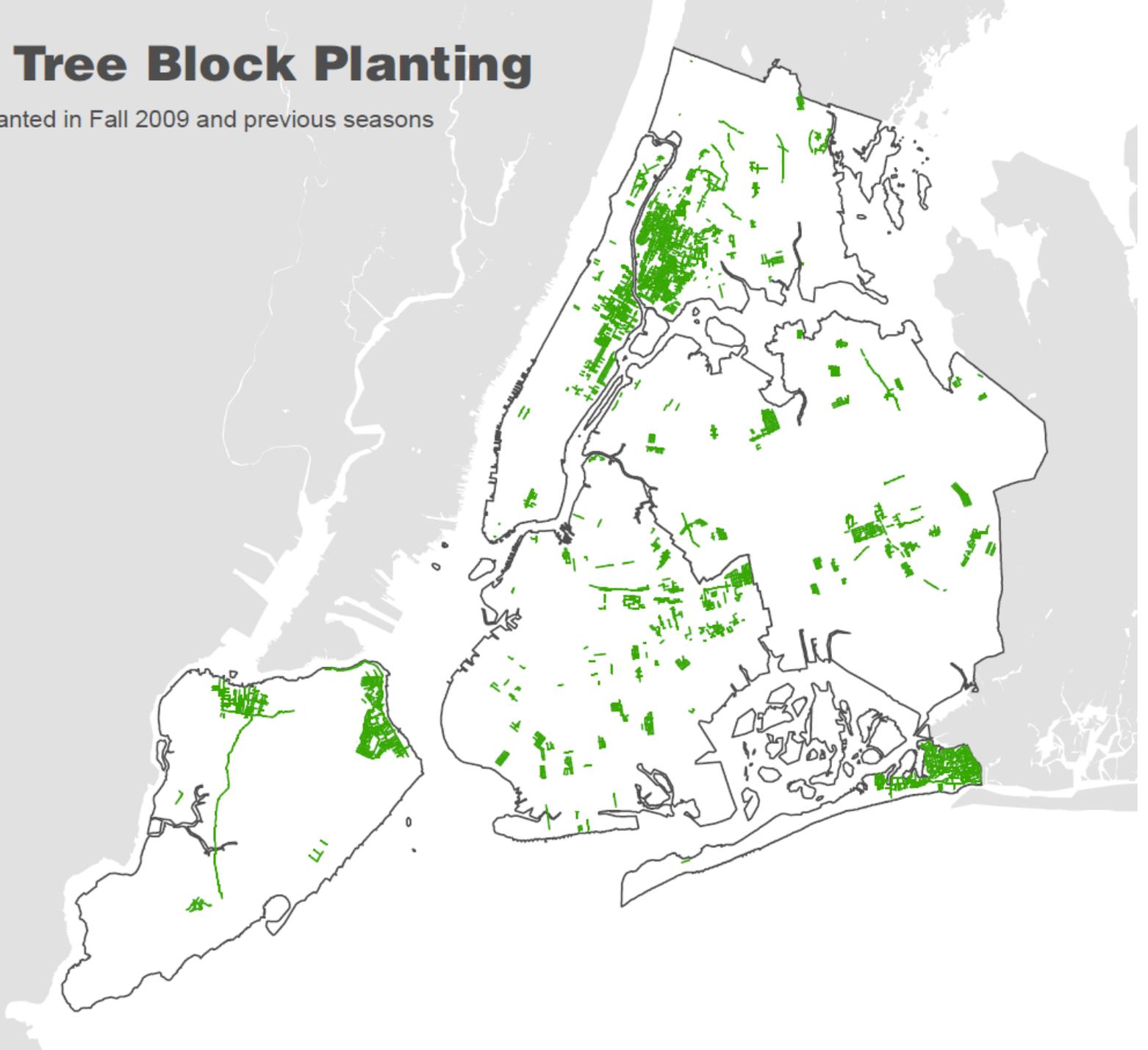
Street Tree Block Planting

— Planted in Spring 2009 and previous seasons



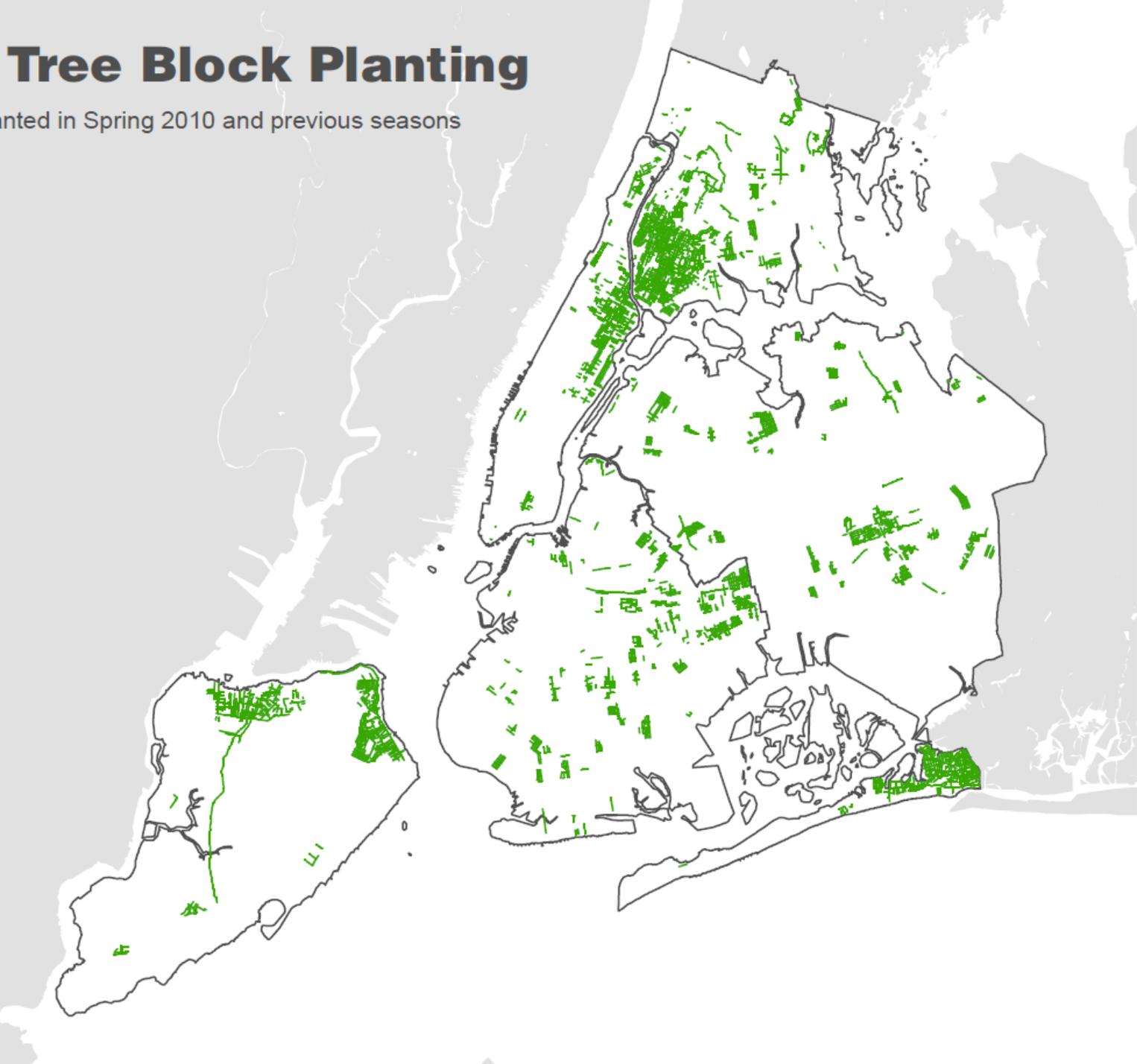
Street Tree Block Planting

— Planted in Fall 2009 and previous seasons



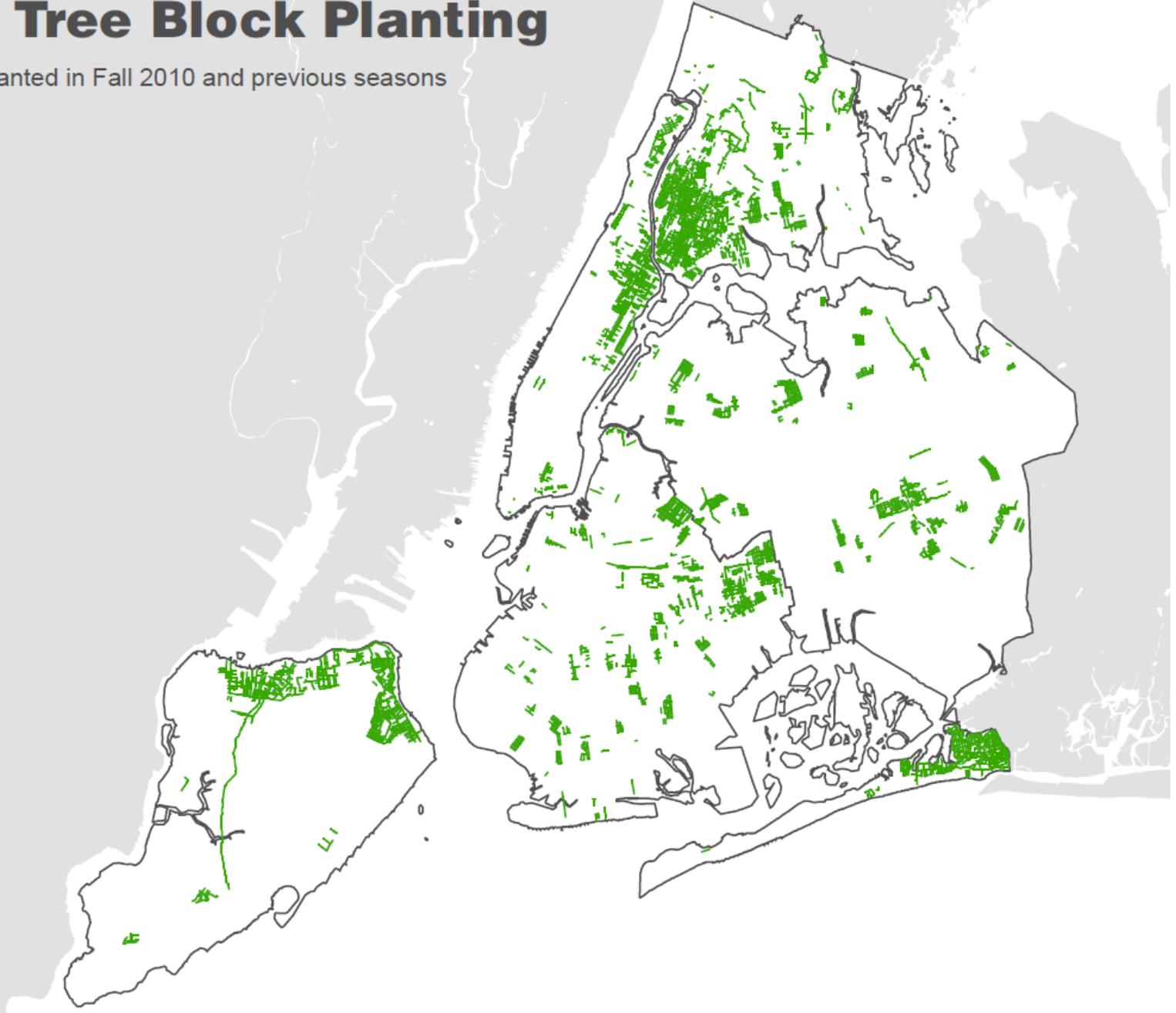
Street Tree Block Planting

— Planted in Spring 2010 and previous seasons



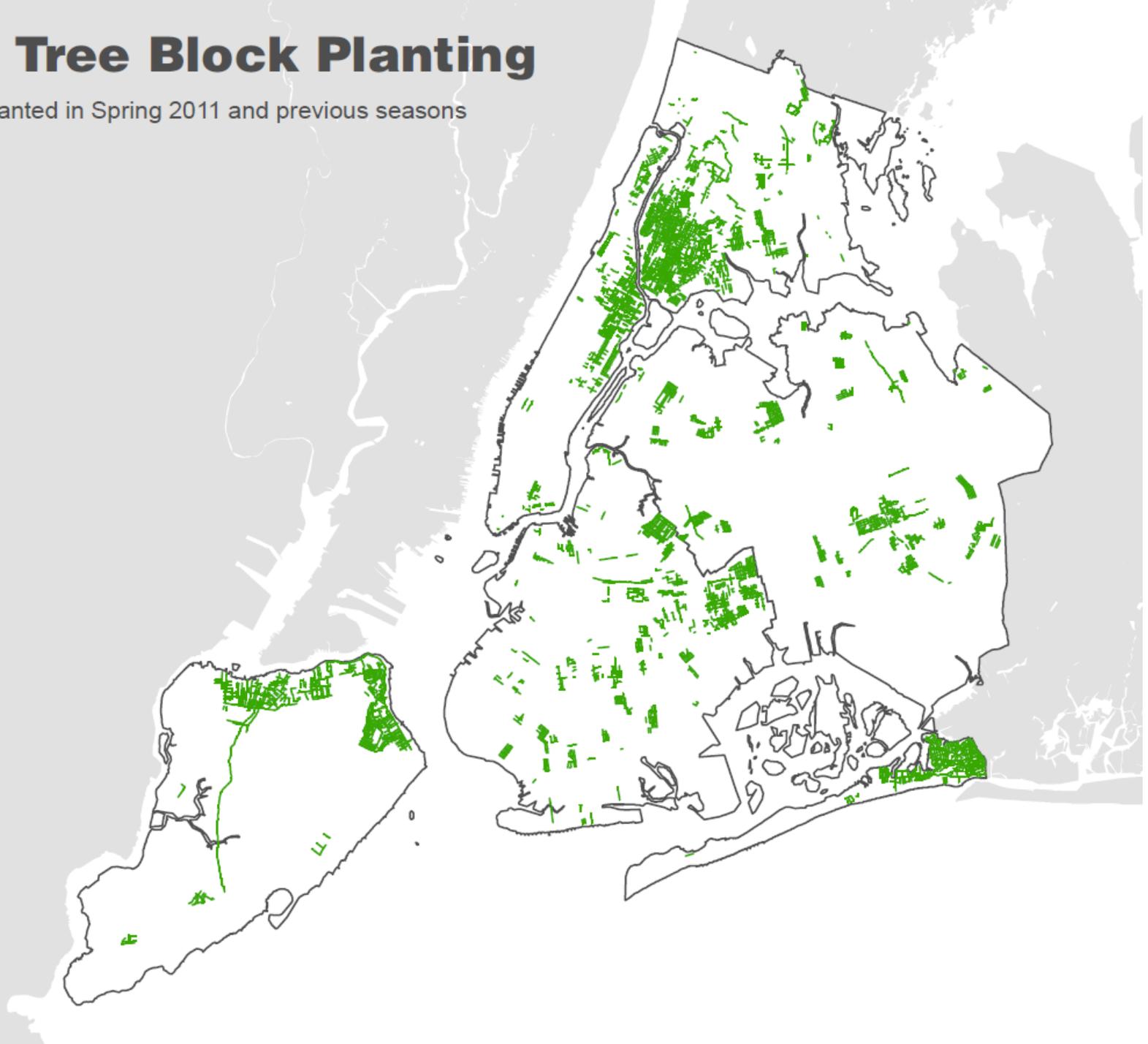
Street Tree Block Planting

— Planted in Fall 2010 and previous seasons



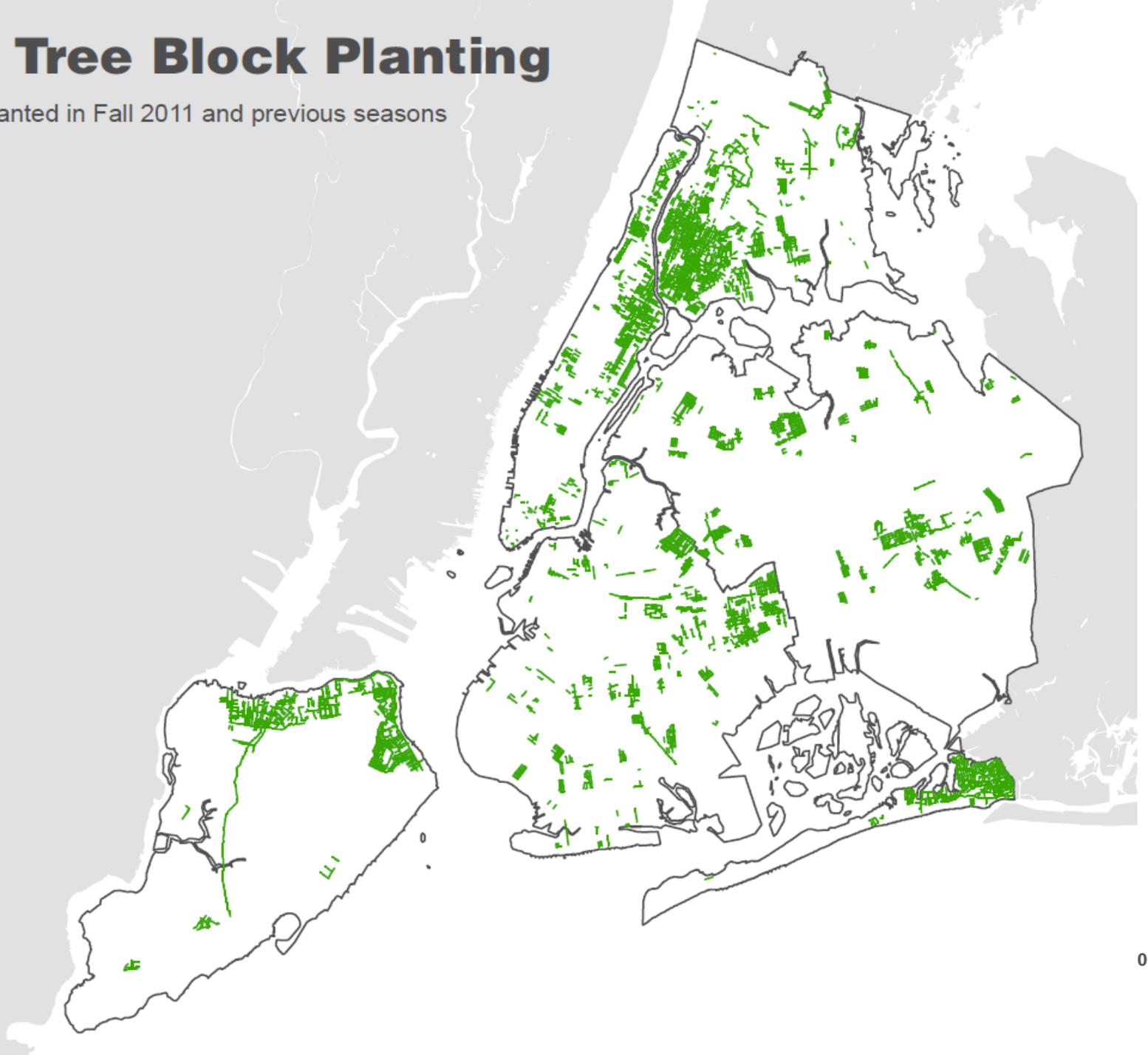
Street Tree Block Planting

— Planted in Spring 2011 and previous seasons



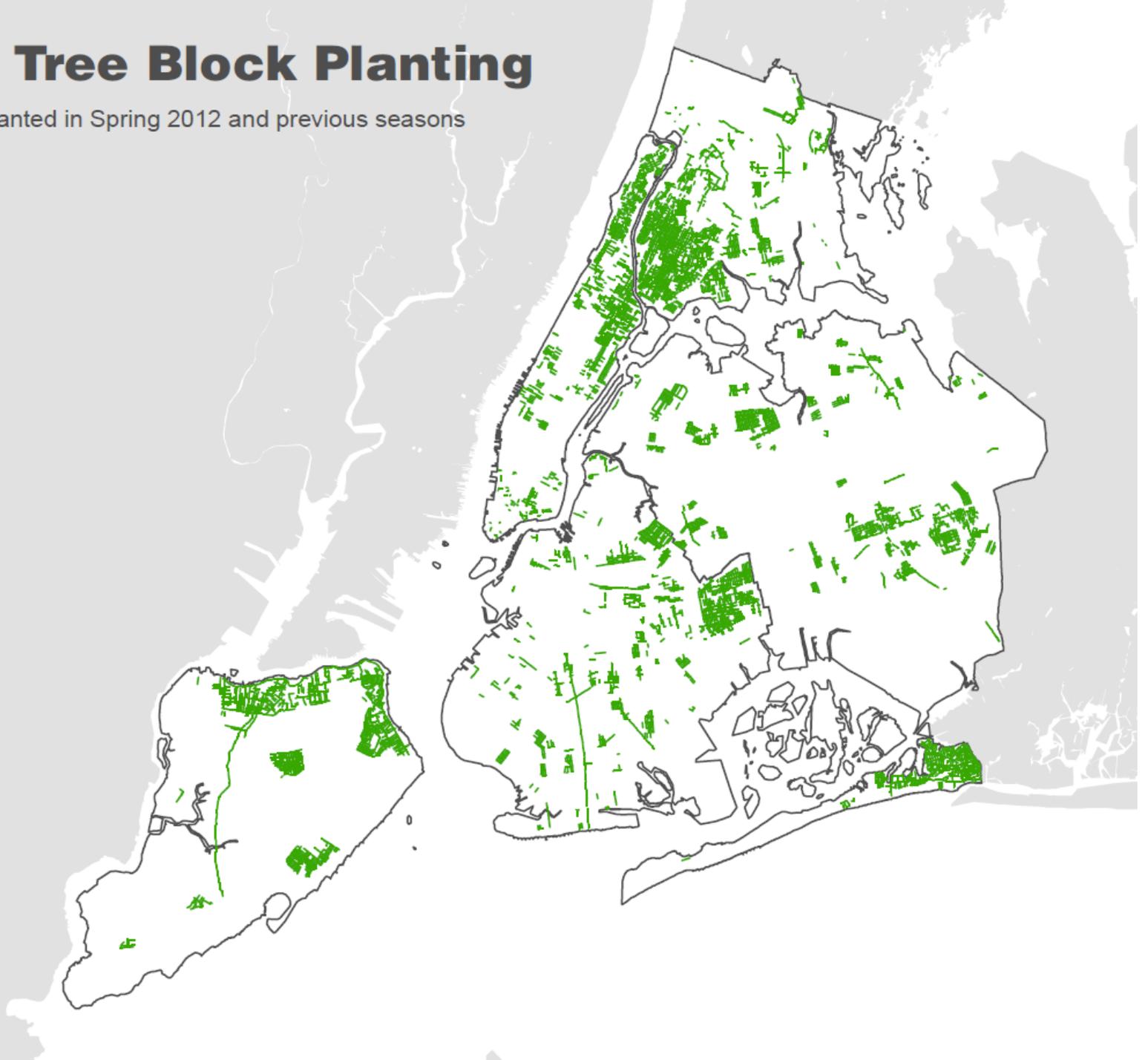
Street Tree Block Planting

— Planted in Fall 2011 and previous seasons



Street Tree Block Planting

— Planted in Spring 2012 and previous seasons



Thank you!
Do you have questions
or ideas for another lecture topic?
Please email stewards@milliontreesnyc.org or call
212-360-8237.

