

Natural Resources Group
Forest Restoration Team Planting Report
Fall 2010



City of New York
Parks & Recreation
Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner

Dear Parkie,

The Natural Resources Group (NRG) moved closer to our PlaNYC goal of planting over 400,000 trees throughout the city. This past fall we planted over 30,000 trees in 2 properties in all five boroughs. Our current tally stands at 222,188. Furthermore, we planted over 7,000 shrubs and over 4,000 herbaceous plants. Our primary goal is to create and restore multi-story forests, bringing back the ecological richness of our region. Healthy multi-story forests provide cleaner air, cleaner water, and increased biodiversity.

NRG again hosted the Million Trees volunteer day. Volunteers and Parks' staff planted 21,806 trees altogether. Without volunteers and the support of the Agency, and our institutional and community partners, NRG would not reach its planting goals. Below is a summary of fall 2010.

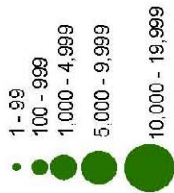
- Containerized trees planted by the Forest Restoration Team: 27,130 (2009: 26,139)
- Containerized trees planted through contractors: 4,332 (2009: 9,652)
- Balled & burlapped trees planted through contractors: 58 (2009: 267)
- Containerized shrubs planted by the Forest Restoration Team: 5,701 (2009: 4,626)
- Containerized shrubs planted through contractors: 1,492 (2009: 0)
- Herbaceous plugs planted by the Forest Restoration Team: 4,540 (2009: 18,528)
- Hosted 11 volunteer events with a total of 341 volunteers (2009: 32, 468)

Sincerely,

Tim Wenskus
Deputy Director
Natural Resources Group

Reforestation Trees Planted Citywide 2007-2010

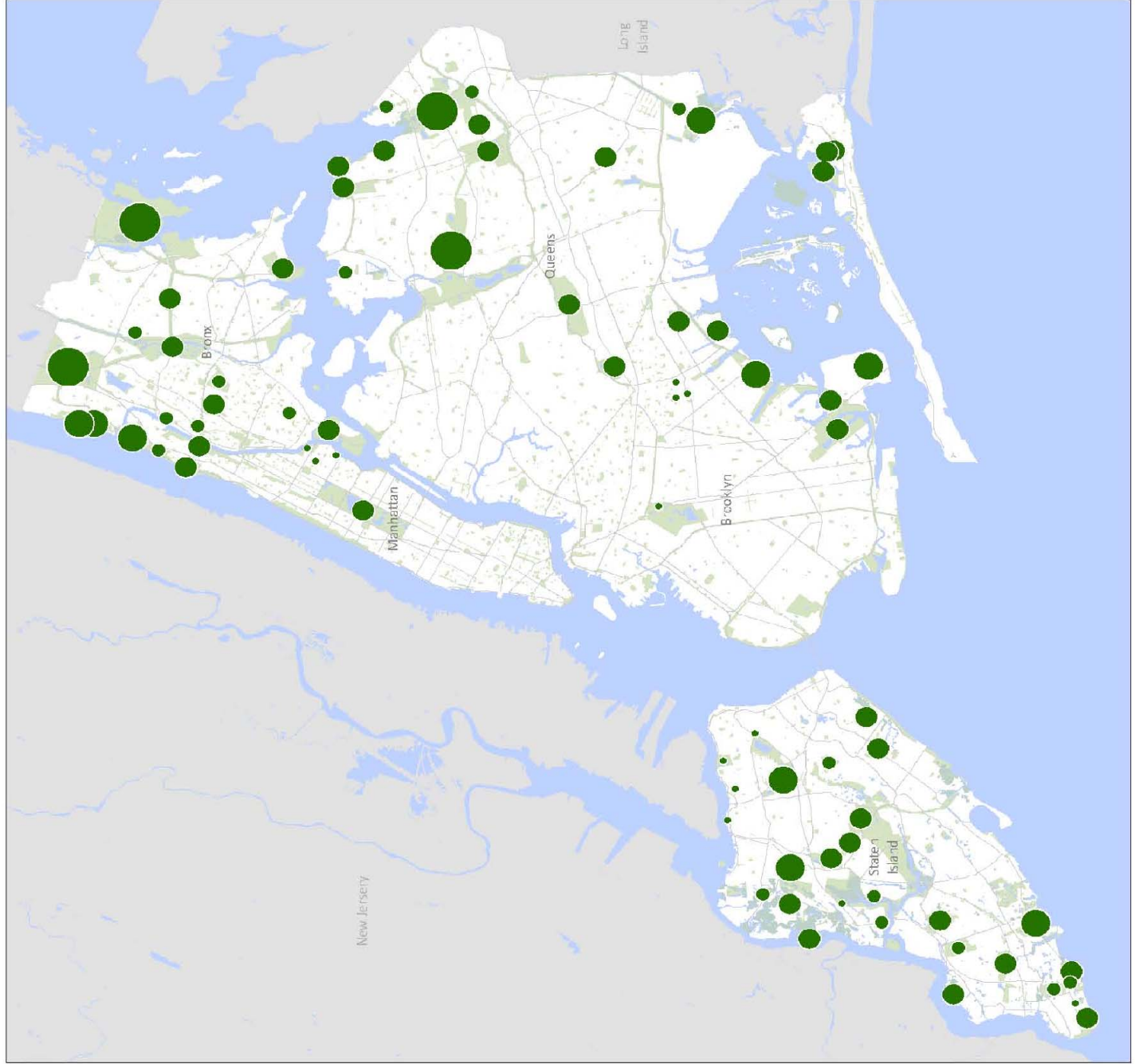
Number of Trees Planted



Parks

Total Trees Planted: 222,188

Reforestation is one of 127 initiatives launched in 2007 by Mayor Bloomberg as part of PlaNYC to make New York City greener and more sustainable by 2030. It is a key component of MillionTreesNYC, providing 488,300 of the total trees to be planted in the campaign by 2017. To date, 46% of this reforestation tree goal has been met.



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milliontreesnyc
A PLANNING BUREAU, BROWN AND CALDWELL RESTORATION PROJECT



Created by Craig Mandel, Natural Resources Group
NYC Department of Parks & Recreation, January 12, 2011.

Total Plants Planted

Trees	31,520
Shrubs	7,193
Herbaceous	4,540
Grand Total	43,253

Tree Plantings

Total Containerized Tree Plantings

Bronx	Van Cortlandt Park	3,632
	Pelham Bay Park	2,348
	Ferry Point Park	1,844
Brooklyn	Marine Park	2,037
	Floyd Bennett Field	1,647
	Penn and Fountain Landfills	1,000
	Brooklyn Botanic Garden	24
Manhattan	Randall's Island Park	505
	Central Park	270
Queens	Kissena Corridor Park (West)	6,535
	Alley Pond Park	1,813
	Fort Totten Park	1,500
	Powell's Cove Park	851
	Forest Park	7
Staten Island	Clove Lakes Park	2,536
	Wolfe's Pond Park	1,498
	Conference House Park	999
	Willowbrook Park	786
	Arthur Kill DOC	600
	Father Macris Park	531
	Ocean Breeze Park	499
Total		31,462

Forest Restoration Team Container Tree Plantings

Bronx	Van Cortlandt Park	3,632
	Pelham Bay Park	2,348
	Ferry Point Park	1,844

Brooklyn	Marine Park	2,037
	Floyd Bennett Field	1,647
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	Brooklyn Botanic Garden	24
Manhattan	Randall's Island Park	505
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Staten Island	Clove Lakes Park	2,536
	Wolfe's Pond Park	1,498
	Conference House Park	999
	Willowbrook Park	786
	Arthur Kill DOC	600
	Father Macris Park	531
	Ocean Breeze Park	499
Total		27,130

Forest Restoration Team Container Tree Plantings by Species

Oak, pin	<i>Quercus palustris</i>	1,950
Oak, northern red	<i>Quercus rubra</i>	1,765
Tupelo, black	<i>Nyssa sylvatica</i>	1,751
Sweetgum	<i>Liquidambar styraciflua</i>	1,749
Pine, white	<i>Pinus strobus</i>	1,450
Oak, black	<i>Quercus velutina</i>	1,240
Hackberry	<i>Celtis occidentalis</i>	1,176
Tulip tree	<i>Liriodendron tulipifera</i>	1,131
Pine, pitch	<i>Pinus rigida</i>	1,087
Maple, red	<i>Acer rubrum</i>	1,069
Sassafras	<i>Sassafras albidum</i>	900
Cherry, wild black	<i>Prunus serotina</i>	898
Maple, silver	<i>Acer saccharinum</i>	855
Oak, white	<i>Quercus alba</i>	814
Oak, scarlet	<i>Quercus coccinea</i>	665
Oak, chestnut	<i>Quercus prinus</i>	615
Sumac, staghorn	<i>Rhus typhina</i>	609
Walnut, black	<i>Juglans nigra</i>	552
Birch, black/sweet	<i>Betula lenta</i>	537

Cedar, eastern red	<i>Juniperus virginiana</i>	535
Sycamore, American	<i>Platanus occidentalis</i>	500
Oak, swamp white	<i>Quercus bicolor</i>	486
Shadbush	<i>Amelanchier canadensis</i>	456
Dogwood, flowering	<i>Cornus florida</i>	455
Holly, American	<i>Ilex opaca</i>	397
Elm, American	<i>Ulmus americana</i>	375
Eastern redbud	<i>Cercis canadensis</i>	336
Oak, willow	<i>Quercus phellos</i>	314
Birch, gray	<i>Betula populifolia</i>	306
Hop-hornbeam	<i>Ostrya virginiana</i>	305
Bur oak	<i>Quercus macrocarpa</i>	266
Persimmon	<i>Diospyros virginiana</i>	241
Aspen, big-toothed	<i>Populus grandidentata</i>	185
Willow, black	<i>Salix nigra</i>	150
Chinkapin oak	<i>Quercus muehlenbergii</i>	147
Oak, bear	<i>Quercus ilicifolia</i>	138
Birch, yellow	<i>Betula alleghaniensis</i>	129
Linden, American/ Basswood	<i>Tilia americana</i>	110
Maple, sugar	<i>Acer saccharum</i>	109
Hickory, pignut	<i>Carya glabra</i>	100
Osage orange	<i>Maclura pomifera</i>	55
Hickory, bitternut	<i>Carya cordiformis</i>	50
Cherry, choke	<i>Prunus virginiana</i>	50
Hickory, shagbark	<i>Carya ovata</i>	40
Hickory, mockernut	<i>Carya tomentosa</i>	40
Hawthorn, cockspur	<i>Crataegus crus-galli</i>	22
Hornbeam	<i>Carpinus caroliniana</i>	20
Total		27,130

Contractor Container Tree Plantings

Queens	Kissena Corridor Park (West)	4,332
Total		4,332

Contractor Container Tree Plantings by Species

Linden, American/ basswood	<i>Tilia americana</i>	1,394
Oak, Northern red	<i>Quercus rubra</i>	1,187
Oak, white	<i>Quercus alba</i>	459

Hackberry	<i>Celtis occidentalis</i>	340
Cherry, wild black	<i>Prunus serotina</i>	280
Hickory, pignut	<i>Carya glabra</i>	164
Oak, scarlet	<i>Quercus coccinea</i>	158
Shellbark hickory	<i>Carya laciniosa</i>	136
Oak, willow	<i>Quercus phellos</i>	114
Hop-hornbeam	<i>Ostrya virginiana</i>	100
Total		4,332

Contractor Balled & Burlapped Tree Plantings

Bronx	Hutchinson River Parkway	58
Total		58

Contractor Balled & Burlapped Trees by Species

Sugartyme Flowering Crabapple	<i>Malus 'Sugartyme'</i>	29
Eastern redbud	<i>Cercis canadensis</i>	22
Dogwood, Cornelian cherry	<i>Cornus mas</i>	7
Total		58

Shrub Plantings

Forest Restoration Team Shrub Plantings

Bronx	Van Cortlandt Park	992
	Pelham Bay Park	950
	Ferry Point Park	912
Brooklyn	Marine Park	311
	Floyd Bennett Field	157
Queens	Alley Pond Park	266
	Powell's Cove Park	212
	Fort Totten Park	200
	Forest Park	8
Staten Island	Conference House Park	726
	Clove Lakes Park	438
	Wolfe's Pond Park	199
	Father Macris Park	172
	Arthur Kill DOC	58

Staten Island	Ocean Breeze Park	100
Total		5,701

Forest Restoration Team Shrub Plantings by Species

Spicebush	<i>Lindera benzoin</i>	1,014
Elderberry	<i>Sambucus canadensis</i>	914
Chokeberry, red	<i>Aronia arbutifolia</i>	625
Pepperbush, sweet	<i>Clethra alnifolia</i>	451
Witch hazel	<i>Hamamelis virginiana</i>	270
Dogwood, red-osier	<i>Cornus sericea</i>	250
Black-haw	<i>Viburnum prunifolium</i>	220
Dogwood, silky	<i>Cornus amomum</i>	217
Bayberry, northern	<i>Myrica pensylvanica</i>	200
Winterberry	<i>Ilex verticillata</i>	187
Chokeberry, black	<i>Aronia melanocarpa</i>	175
Blackberry, common	<i>Rubus allegheniensis</i>	148
Dogwood, red-panicled	<i>Cornus racemosa</i>	126
Sumac, winged	<i>Rhus copallinum</i>	116
Sumac, smooth	<i>Rhus glabra</i>	105
Buttonbush	<i>Cephalanthus occidentalis</i>	100
Plum, beach	<i>Prunus maritima</i>	100
Blueberry, early low	<i>Vaccinium pallidum</i>	98
Azalea, swamp	<i>Rhododendron viscosum</i>	83
Arrow-wood	<i>Viburnum dentatum</i>	73
Inkberry	<i>Ilex glabra</i>	50
Blueberry, highbush	<i>Vaccinium corymbosum</i>	50
Viburnum, maple-leaved	<i>Viburnum acerifolium</i>	42
Blueberry, lowbush	<i>Vaccinium angustifolium</i>	30
Rose, Virginia	<i>Rosa virginiana</i>	25
Strawberry bush	<i>Euonymus americanus</i>	20
Rose, swamp	<i>Rosa palustris</i>	12
Total		5,701

Contractor Shrubs Plantings

Queens	Kissena Corridor Park (West)	1,492
Total		1,492

Contractor Containerized Shrubs Plantings by Species

Arrow-wood	<i>Viburnum dentatum</i>	381
Elderberry	<i>Sambucus canadensis</i>	336
Witch hazel	<i>Hamamelis virginiana</i>	313
Dogwood, red-panicked	<i>Cornus racemosa</i>	295
Spicebush	<i>Lindera benzoin</i>	167
Total		1,492

Herbaceous Plantings

Forest Restoration Team Herbaceous Plantings

Brooklyn	Floyd Bennett Field	32
	Marine Park	32
Staten Island	Conference House Park	4,476
Total		4,540

Forest Restoration Team Herbaceous Plantings by Species

Virginia creeper	<i>Parthenocissus quinquefolia</i>	1,504
Deer-tongue grass	<i>Panicum clandestinum</i>	624
Goldenrod, seaside	<i>Solidago sempervirens</i>	352
Sedge, tussock	<i>Carex stricta</i>	240
Switch grass	<i>Panicum virgatum</i>	236
Jumpseed	<i>Polygonum virginianum</i>	224
Joe-pye-weed, spotted	<i>Eupatorium maculatum</i>	208
Milkweed, common	<i>Asclepias syriaca</i>	192
Canada goldenrod	<i>Solidago canadensis</i>	160
Joe-pye-weed, purple	<i>Eupatorium purpureum</i>	160
Snakeroot, white	<i>Eupatorium rugosum</i>	148
white wood aster	<i>Eurybia divaricata</i>	128
Avens, white	<i>Geum canadense</i>	64
Bergamot, wild	<i>Monarda fistulosa</i>	64
Milkweed, swamp	<i>Asclepias incarnata</i>	64
Rose- mallow	<i>Hibiscus moscheutos</i>	64
Indian grass	<i>Sorghastrum nutans</i>	44
Goldenrod, Grass-leaved	<i>Euthamia graminifolia</i>	32
Vervain, blue	<i>Verbena hastata</i>	32
Total		4,540