



City of New York  
Parks & Recreation

The Arsenal  
Central Park  
New York, New York 10021

Adrian Benepe  
Commissioner

Natural Resources Group

Arsenal North  
1234 Fifth Avenue  
New York, New York 10029

Bill Tai, Director  
(212) 360-1425 / bill.tai@parks.nyc.gov

## **Natural Resources Group - Forest Restoration Team Fall 2005 Summary**

This fall was a productive season for the Natural Resources Group (NRG) Forest Restoration Team. For the season, the team consisted of 4 (2004 - 6) full time foresters. Assistance was provided by other NRG staff, and 7 volunteer and school groups. Plantings took place in 6 parks in three boroughs. The following is a summary of the work completed in the Fall of 2005.

- Planted 5,898 2-3' containerized trees and shrubs (2004 – 8,959)
- Planted 5,613 herbaceous plants (2004 – 9,421)
- Hosted 10 volunteer events with 147 volunteers from 6 different volunteer and school groups (2004 – 14, 397, 8)
- Planted 122 pounds of native groundcover seed (2004 – 142)



City of New York  
Parks & Recreation

The Arsenal  
Central Park  
New York, New York 10021

Adrian Benepe  
Commissioner

Natural Resources Group

Arsenal North  
1234 Fifth Avenue  
New York, New York 10029

Bill Tai, Director  
(212) 360-1425 / bill.tai@parks.nyc.gov

## Natural Resources Group Forest Restoration Team Planting Report Fall 2005

### I. Tree Plantings

During the Fall 2005 planting season, the Natural Resources Group (NRG) Forest Restoration Team planted a total of **5,898** trees and shrubs. These plantings, containing 32 species, took place throughout 6 different parks in three boroughs. The majority were 2-3 foot containerized plants.

#### A. Containerized Plantings by Park

Riverdale Park – Bronx	3,278	containerized trees and shrubs
North Brother Island – Bronx	2,149	containerized trees and shrubs
Inwood Hill Park – Manhattan	1,003	containerized trees and shrubs
Alley Pond Park – Queens	545	containerized trees and shrubs
Cunningham Park - Queens	321	containerized trees and shrubs
Bronx River – Bronx	200	containerized trees and shrubs

**TOTAL** **5,898 Trees and Shrubs**

#### B. Containerized Plantings by Species

1,021	Buttonbush ( <i>Cephalanthus occidentalis</i> )
588	Northern red oak ( <i>Quercus rubra</i> )
511	Gray birch ( <i>Betula populifolia</i> )
508	Spicebush ( <i>Lindera benzoin</i> )
439	Arrowwood viburnum ( <i>Viburnum dentatum</i> )
350	Grey-twig dogwood ( <i>Cornus racemosa</i> )
312	Black gum ( <i>Nyssa sylvatica</i> )
291	Tulip poplar ( <i>Liriodendron tulipifera</i> )
219	American sycamore ( <i>Platanus occidentalis</i> )

168	Black birch ( <i>Betula lenta</i> )
144	Green ash ( <i>Fraxinus pensylvanica</i> )
131	Sugar maple ( <i>Acer saccharum</i> )
123	Chestnut oak ( <i>Quercus prinus</i> )
120	White oak ( <i>Quercus alba</i> )
100	White ash ( <i>Fraxinus americana</i> )
100	Hazelnut ( <i>Corylua americana</i> )
100	Boxelder ( <i>Acer negundo</i> )
100	Sassafras ( <i>Sassafras albidum</i> )
99	Inkberry ( <i>Ilex glabra</i> )
91	Pin oak ( <i>Quercus palustris</i> )
76	Sweetgum ( <i>Liquidamber styraciflua</i> )
65	Elderberry ( <i>Sambucus canadensis</i> )
58	Silver maple ( <i>Acer saccharinum</i> )
44	Silky dogwood ( <i>Cornus amomum</i> )
34	Red chokeberry ( <i>Aronia arbutifolia</i> )
23	Eastern white pine ( <i>Pinus strobus</i> )
20	Black chokeberry ( <i>Aronia melanocarpa</i> )
16	Hackberry ( <i>Celtis occidentalis</i> )
12	Red maple ( <i>Acer rubrum</i> )
12	Butternut ( <i>Juglans cinerea</i> )
6	Shagbark hickory ( <i>Carya ovata</i> )
2	Sweet pepper bush ( <i>Clethra alnifolia</i> )

**TOTAL**

**5,898 Containerized Trees and Shrubs**

## II. Groundcover Plantings

During the Fall 2005 planting season, NRG Forest Restoration staff planted a total of 5,613 herbaceous groundcover plants, representing 14 species. Groundcover root systems reduce sedimentation and non-point source pollution by stabilizing steep, eroded slopes and streambanks. Cribbing and jute or coir mats temporarily stabilize the slope and groundcover vegetation is planted through the mat. The mats and cribbing eventually biodegrade as the root systems become established. The majority of these plants were 2 ½ “ by 2 ½ “ plugs.

### A. Groundcover Planting Totals by Park

Riverdale Park – Bronx	3,278 plants
Inwood Hill Park – Manhattan	1,851 plants
Cunningham Park - Queens	484 plants
<b>TOTAL</b>	<b>5,613 Groundcover Plants</b>

### B. Groundcover Planting Totals by Species

536	Virginia creeper ( <i>Parthenocissus quinquefolia</i> )
406	White snakeroot ( <i>Eupatorium rugosum</i> )
528	Heart leaf aster ( <i>Aster cordifolia</i> )
448	Blue stemmed goldenrod ( <i>Solidago caesia</i> )
384	Path rush ( <i>Juncus tenuis</i> )
973	White wood aster ( <i>Aster divaricatus</i> )
384	Poverty oatgrass ( <i>Danthonia spicata</i> )
354	Appalachian sedge ( <i>Carex appalachica</i> )
432	Swan’s sedge ( <i>Carex swanii</i> )
64	Wild geranium ( <i>Geranium maculatum</i> )
252	Bottlebrush grass ( <i>Elymus hystrix</i> )
256	Rough avens ( <i>Geum virginianum</i> )
496	Thin-fruited sedge ( <i>Carex flaccosperma</i> )
100	Pennsylvania sedge ( <i>Carex pennsylvanica</i> )

<b>TOTAL</b>	<b>5,613 Groundcover Plants</b>
--------------	---------------------------------