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## **Natural Resources Group - Forest Restoration Team Fall 2006 Summary**

This fall was a productive season for the Natural Resources Group (NRG) Forest Restoration Team. For the season, the team consisted of 10 (2004 - 4) full time foresters. Assistance was provided by other NRG staff, and 5 volunteer and school groups. Plantings took place in 9 parks in three boroughs. The following is a summary of the work completed in the Fall of 2006.

- Planted 9,730 2-3' containerized trees and shrubs (2005 – 5,898)
- Planted 8,690 herbaceous plants (2005 – 5,613)
- Hosted 7 volunteer events with 95 volunteers from 5 different volunteer and school groups (2005 – 10, 147, 6)
- Planted 10 pounds of native groundcover seed (2005 – 122)



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## Natural Resources Group Forest Restoration Team Planting Report Fall 2006

### I. Tree Plantings

During the Fall 2006 planting season, the Natural Resources Group (NRG) Forest Restoration Team planted a total of 9,730 trees and shrubs. These plantings, containing 34 species, took place throughout 8 different parks in three boroughs. The majority were 2-3 foot containerized plants.

#### A. Containerized Plantings by Park

Bronx River – Bronx	3435	containerized trees and shrubs
Fort Washington – Manhattan	1556	containerized trees and shrubs
Riverdale Park – Bronx	1501	containerized trees and shrubs
Alley Pond Park – Queens	1040	containerized trees and shrubs
Van Cortlandt Park – Bronx	900	containerized trees and shrubs
Inwood Hill Park – Manhattan	810	containerized trees and shrubs
University Heights Woods – Bronx	290	containerized trees and shrub
Railroad Woods – Queens	198	containerized trees and shrubs

**TOTAL** **9,730** **Trees and Shrubs**

#### B. Containerized Plantings by Species

2722	Northern red oak ( <i>Quercus rubra</i> )
1910	Arrowwood viburnum ( <i>Viburnum dentatum</i> )
1507	Silky dogwood ( <i>Cornus amomum</i> )
483	Black birch ( <i>Betula lenta</i> )
390	Chestnut oak ( <i>Quercus prinus</i> )
316	Silver maple ( <i>Acer saccharinum</i> )

307	Chokeberry ( <i>Aronia arbutifolia</i> )
240	Spicebush ( <i>Lindera benzoin</i> )
240	Winterberry ( <i>Ilex verticillata</i> )
215	Tulip poplar ( <i>Liriodendron tulipifera</i> )
201	Elderberry ( <i>Sambucus canadensis</i> )
197	Green ash ( <i>Fraxinus pennsylvanica</i> )
186	Pussywillow ( <i>Salix discolor</i> )
120	Swamp white oak ( <i>Quercus bicolor</i> )
117	Red maple ( <i>Acer rubrum</i> )
88	Pin oak ( <i>Quercus palustris</i> )
72	Black oak ( <i>Quercus velutina</i> )
70	White ash ( <i>Fraxinus americana</i> )
70	Sweetgum ( <i>Liquidambar styraciflua</i> )
66	Hackberry ( <i>Celtis occidentalis</i> )
40	Hophornbeam ( <i>Ostrya virginiana</i> )
30	Maple-leafed viburnum ( <i>Viburnum acerfolium</i> )
30	Black gum ( <i>Nyssa sylvatica</i> )
30	Red-osier dogwood ( <i>Cornus sericea</i> )
30	Upland low blueberry ( <i>Vaccinium palladium</i> )
25	Scarlet oak ( <i>Quercus coccinea</i> )
25	Gray birch ( <i>Betula populifolia</i> )
25	American hornbeam ( <i>Carpinus caroliniana</i> )
20	Bitternut hickory ( <i>Carya cordiformis</i> )
20	Blackberry ( <i>Rubus allegheniensis</i> )
20	Black raspberry ( <i>Rubus occidentalis</i> )
15	Eastern white pine ( <i>Pinus strobus</i> )
10	American elm ( <i>Ulmus americana</i> )
10	Black chokeberry ( <i>Aronia melanocarpa</i> )

**TOTAL**

**9,730 Containerized Trees and Shrubs**

## II. Groundcover Plantings

During the Fall 2006 planting season, NRG Forest Restoration staff planted a total of 8,690 herbaceous groundcover plants, representing 9 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	4300	plants
University Heights Woods – Bronx	2700	plants
Pelham Bay (Hunter Island)	1184	plants
Van Cortlandt Park – Bronx	416	plants
Bronx River Forest – Bronx	90	plants

**TOTAL** **8,690 Groundcover Plants**

### B. Groundcover Planting Totals by Species

1866	Rosy sedge ( <i>Carex rosea</i> )
1620	Blue wood aster ( <i>Symphyotrichum cordifolius</i> )
1620	White wood aster ( <i>Eurybia divaricata</i> )
970	Virginia creeper ( <i>Parthenocissus quinquefolia</i> ) <i>rugosum</i> )
970	Blue stemmed goldenrod ( <i>Solidago caesia</i> )
820	White snakeroot ( <i>Eupatorium rugosum</i> )
434	Path rush ( <i>Juncus tenuis</i> )
300	Appalachian sedge ( <i>Carex appalachica</i> )
90	Woodland sunflower ( <i>Helianthus divaricatus</i> )

**TOTAL** **8,690 Groundcover Plants**