



Natural Resources Group - Forest Restoration Team Fall 2003 Summary

This fall was a productive season for the Natural Resources Group (NRG) Forest Restoration Team. For the season, the team consisted of 9 full time foresters. Assistance was provided by other NRG staff, and 10 volunteer and school groups. Plantings took place in 6 parks in Queens, Manhattan, and the Bronx. The following is a summary of the work completed in the Fall of 2003.

- Planted 8,517 2-3' containerized trees and shrubs
- Planted 21 B&B trees
- Planted 12,975 herbaceous plants
- Hosted 14 volunteer events with 10 different volunteer and school groups
- Planted 566.5 pounds of native groundcover seed

Natural Resources Group Forest Restoration Team Planting Report Fall 2003

I. Tree Plantings

During the Fall 2003 planting season, the Natural Resources Group (NRG) Forest Restoration Team planted a total of **8,538** trees and shrubs, comprised of 8,517 containerized trees and shrubs, and 21 balled and burlaped trees. These plantings, containing 29 species, took place throughout 5 different parks in 3 boroughs. The majority were 2-3 foot containerized plants.

A. Containerized Plantings by Park

Alley Pond Park – Queens	2,908	containerized trees and shrubs
Inwood Hill Park – Manhattan	2,158	containerized trees and shrubs
Riverdale Park – Bronx	1,723	containerized trees and shrubs
Bronx River – Bronx	1,263	containerized trees and shrubs
Seton Falls Park – Bronx	466	containerized trees and shrubs

TOTAL **8,517 Trees and Shrubs**

B. Containerized Plantings by Species

1,394	Northern red oak (<i>Quercus rubra</i>)
967	Tulip poplar (<i>Liriodendron tulipifera</i>)
829	Spicebush (<i>Lindera benzoin</i>)
565	Black birch (<i>Betula lenta</i>)
532	Black oak (<i>Quercus velutina</i>)
465	Red maple (<i>Acer rubrum</i>)
416	Elderberry (<i>Sambucus canadensis</i>)
396	Sugar maple (<i>Acer saccharum</i>)
384	Pin oak (<i>Quercus palustris</i>)

357	Chestnut oak (<i>Quercus prinus</i>)
295	White oak (<i>Quercus alba</i>)
270	Red-osier dogwood (<i>Cornus sericea</i>)
264	White ash (<i>Fraxinus americana</i>)
213	Silver maple (<i>Acer saccharinum</i>)
208	American sycamore (<i>Platanus occidentalis</i>)
205	Grey-twig dogwood (<i>Cornus racemosa</i>)
200	Silky dogwood (<i>Cornus amomum</i>)
192	Black chokeberry (<i>Aronia melanocarpa</i>)
152	Green ash (<i>Fraxinus pensylvanica</i>)
90	Sweetgum (<i>Liquidambar styraciflua</i>)
74	River birch (<i>Betula nigra</i>)
17	Arrowwood viburnum (<i>Viburnum dentatum</i>)
17	Black walnut (<i>Juglans nigra</i>)
16	Eastern white pine (<i>Pinus strobus</i>)
10	Flowering dogwood (<i>Cornus florida</i>)

TOTAL **8,517 Containerized Trees and Shrubs**

C. Balled and Burlaped Plantings by Park

Bronx River – Bronx	12 trees
Riverdale Park – Bronx	7 trees
Inwood Hill Park – Manhattan	2 trees

TOTAL **21 Trees**

D. Balled and Burlaped Plantings by Species

7	American sycamore (<i>Platanus occidentalis</i>)
6	Willow oak (<i>Quercus phellos</i>)
3	Green ash (<i>Fraxinus pensylvanica</i>)
3	Honeylocust (<i>Gleditsia triacanthos</i>)
1	Red oak (<i>Quercus rubra</i>)
1	Scarlet oak (<i>Quercus coccinia</i>)

TOTAL **21 Trees**

II. Groundcover Plantings

During the Fall 2003 planting season, NRG Forest Restoration staff planted a total of 12,975 herbaceous groundcover plants, representing 23 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, however, 1,880 1-quart size plants are included in the total.

A. Groundcover Planting Totals by Park

Riverdale Park – Bronx	5,257	plants
Inwood Hill Park – Manhattan	3,677	plants
Seton Falls Park – Bronx	1,404	plants
Alley Pond Park - Queens	1,257	plants
Bronx River – Bronx	1,008	plants
Riverside Park – Manhattan	372	plants

TOTAL **12,975 Groundcover Plants**

B. Groundcover Planting Totals by Species

1,717	Heart leaf aster (<i>Aster cordifolia</i>)
1,311	Virginia creeper (<i>Parthenocissus quinquefolia</i>)
1,266	Path rush (<i>Juncus tenuis</i>)
1,154	White wood aster (<i>Aster divaricatus</i>)
1,081	Blue stemmed goldenrod (<i>Solidago caesia</i>)
1,040	White snakeroot (<i>Eupatorium rugosum</i>)
797	Fringed sedge (<i>Carex crinita</i>)
744	Poverty oatgrass (<i>Danthonia spicata</i>)
700	Pennsylvania sedge (<i>Carex pensylvanica</i>)
576	Rough avens (<i>Geum virginianum</i>)
470	Deertongue grass (<i>Panicum clandestinum</i>)
320	White avens (<i>Geum canadense</i>)
312	Arrow arum (<i>Peltandra virginica</i>)
312	Flattened oatgrass (<i>Danthonia compressa</i>)
294	Swan’s sedge (<i>Carex swanii</i>)
250	Indian grass (<i>Sorghastrum nutans</i>)

- 155 Sessile-leaved bellwort (*Uvularia sessilifolia*)
- 144 Blueflag iris (*Iris versicolor*)
- 138 Woodland sunflower (*Helianthus divaricatus*)
- 97 Appalachian sedge (*Carex appalachica*)
- 38 Mountain mint (*Pycnanthemum virginianum*)
- 32 Thin-fruit sedge (*Carex flaccosperma*)
- 27 Cardinal flower (*Lobelia cardinalis*)

TOTAL

12,975 Groundcover Plants