

Natural Area Mapping and Inventory of Alley Pond Park 1987 Survey



Prepared by the Natural Resources Group
Michael R. Bloomberg, Mayor
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Alley Pond Park Natural Area Mapping & Inventory

Surveyed December 1987

686 acres

Introduction

City of New York Parks & Recreation (DPR) manages one of the most extensive and varied park systems of any city in the world. These 29,000 acres of city park property occupy about 15 percent of New York City's total area. In addition to flagship parks such as Central Park and Prospect Park, the city's parklands include over 11,000 acres of natural areas.

Until the 1980's, the Parks Department was primarily concerned with developed landscapes and recreation facilities rather than natural areas. In the absence of a comprehensive management policy, these areas succumbed to invasive species, pollution and erosion.

In 1984, Parks established the Natural Resources Group (NRG) with a mandate to acquire, restore and manage natural areas in New York City. The wetlands, forests, meadows, and shorelines under NRG's jurisdiction provide valuable habitat for hundreds of species, from rare wildflowers to endangered birds of prey. In addition to the goals mentioned above, NRG serves as a clearinghouse for technical research to aid in the protection and restoration of the city's natural resources. This inventory of Alley Pond Park was conducted in 1987 as part of NRG's commitment to improving the natural areas of New York City parks.

Alley Pond Park, the second largest park in Queens, is located approximately one mile from the Nassau County border. The north end of the park is an estuary, where freshwater draining off the land flows into the saltwater of Little Neck Bay. This area hosts wetlands and meadows. The forested upland area in the south end of the park exhibits the knob and kettle topography typical of glaciated landscapes. Many of the kettles are now filled with ponds. In addition, the hills are dotted with glacial erratics. These are large boulders that were transported by the moving ice, then left stranded as the ice sheets melted.

Much of Alley Pond Park's marshland was filled throughout the twentieth century to make way for active recreational uses and highways. The remaining natural areas were susceptible to problems such as invasion by Phragmites, the common reed. This species is less beneficial to the ecosystem than native salt marsh cordgrass. Since the 1960's, citizens have successfully prompted action to restore and preserve the Alley wetlands. Alley Pond Environmental Center (APEC) was founded in 1972 to promote environmental education in public schools.

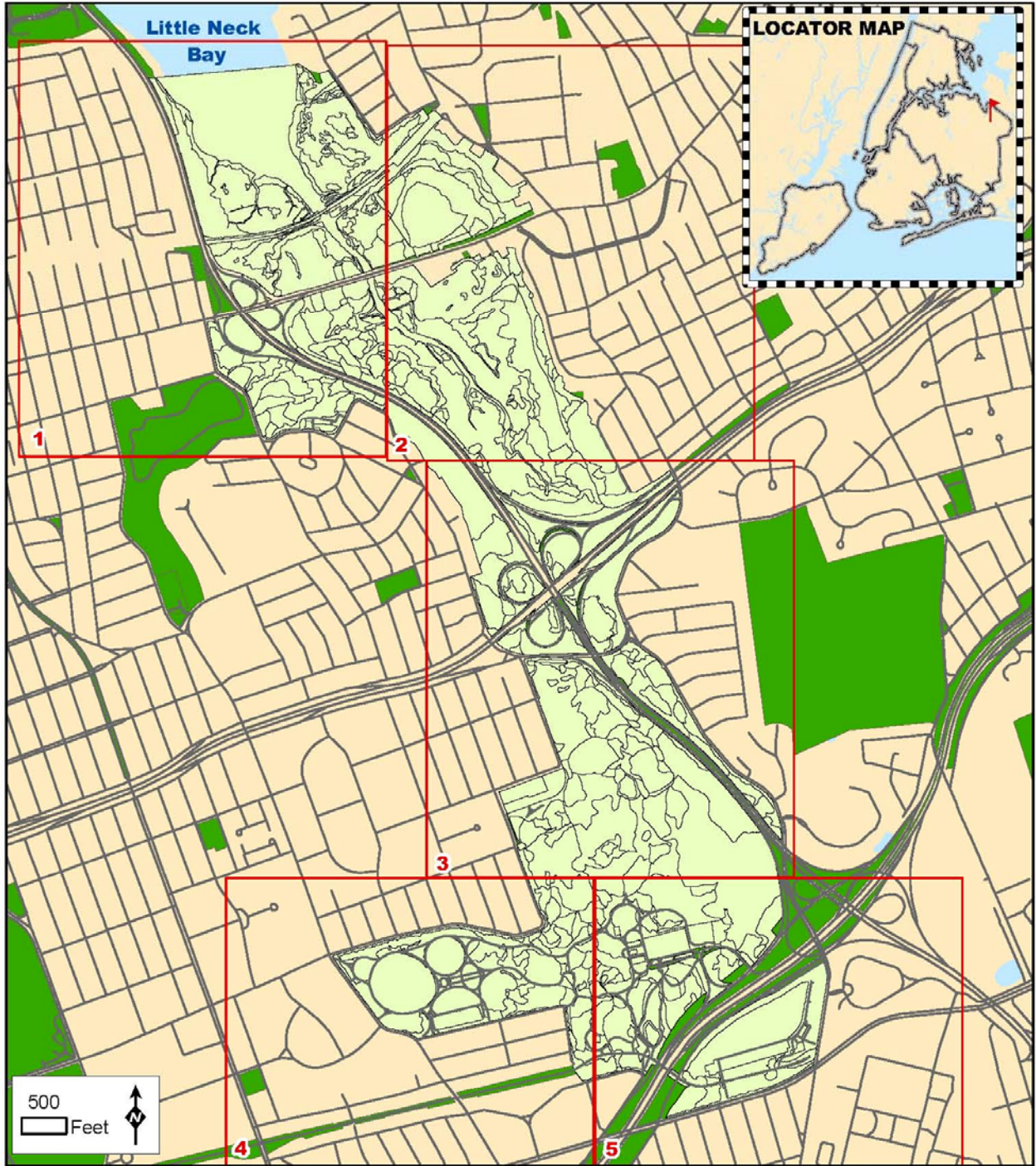
To facilitate the protection, management and restoration of Alley Pond Park, NRG completed an inventory of the area using entitiation, a process of identifying and describing ecologically distinct plant communities. Using aerial photographs and field reconnaissance, Parks staff delineated distinct ecological entities, known as entitiation units, based on cover type, understory structure, species composition, and topography. Evidence of historical use, current use, environmental disturbance, and additional notes were also recorded for each unit. Entitiation of Alley Pond Park resulted in a map and database that can be used to locate valuable and threatened areas. They also serve as a baseline for measuring change over time.

Entitiation

Entitiation is a type of plant community inventory well suited to the patchy environments often found in urban areas. Originally designed for European landscapes, the system was revised by NRG in 1985 for use in urban parkland. NRG has used entitiation widely and successfully to facilitate acquisition and restoration decisions. Put simply, entitiation is a process of breaking up a park into manageable parts called "entities" or "entitiation units." Entitiation units are defined using a weighted list of criteria. The first level of distinction is

based on cover type (e.g. closed forest, vineland, scrub), followed by canopy species composition, understory type (e.g. herbs, vines, shrubs), and understory species composition. Additional factors, such as topography and soil condition (e.g. wet, moist, dry) are also taken into account.

To prepare for fieldwork, mapping technicians examine aerial photographs and delineate areas of similar cover. The mapping staff use the aerial information to create a strategy for covering land area. In the field, boundaries are identified as described above. For each unit, staff record the data listed above, as well as current uses, environmental disturbances, historical indicators, community stability, and comments. In December 1987, in Alley Pond Park, workers identified 364 discrete vegetation units. Some of these units include multiple, non-contiguous sections. Of approximately 686 park acres entitled, 214 were classified as forest or woodland, 12 as scrub, 77 as herbaceous community, 29 as vineland, 7 as intertidal, 5 as aquatic plant, 1 as wetland, and 19 as desert.

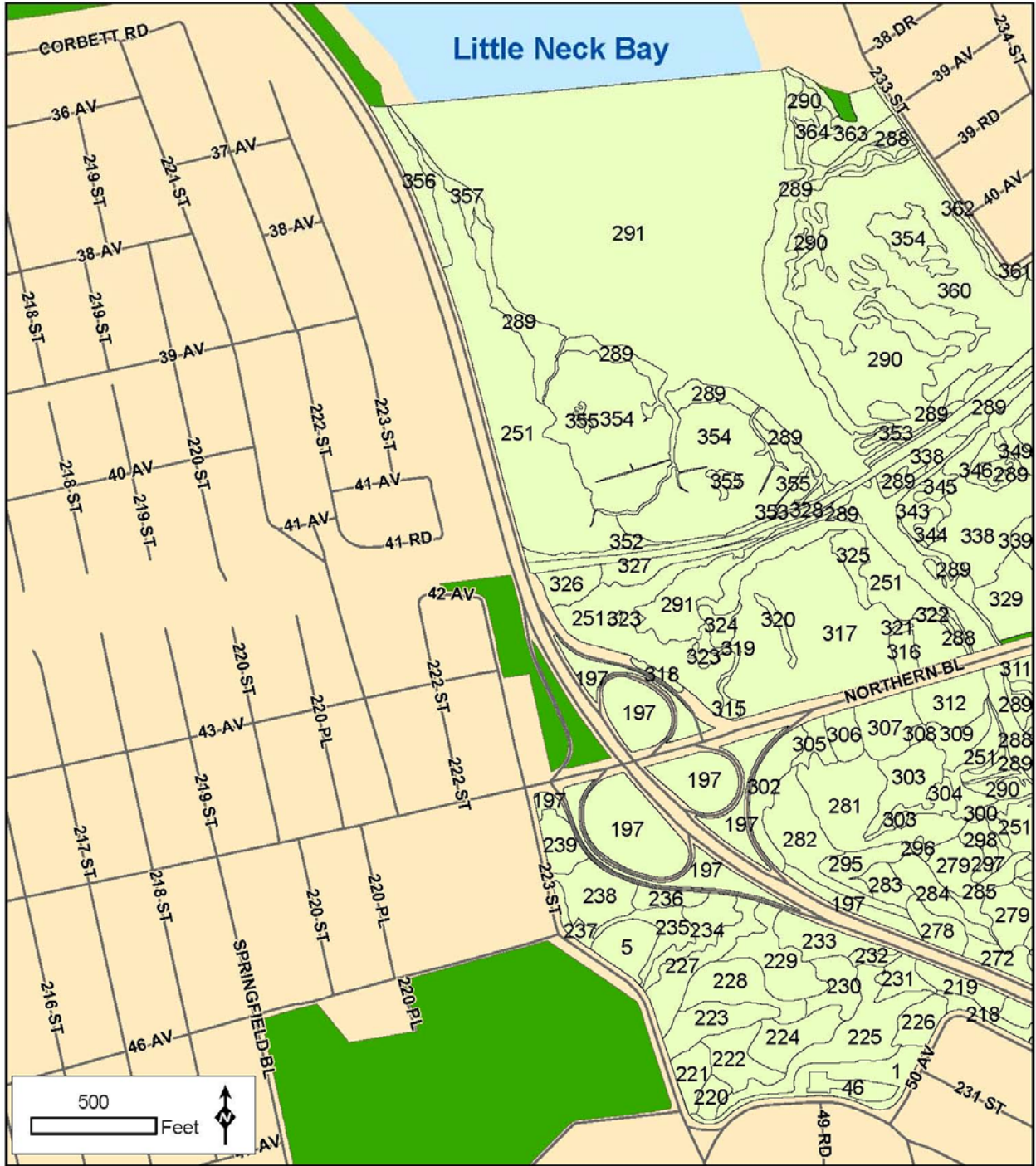


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Alley Pond Park Natural Areas Entitment

- Entitment Unit Boundaries (1987)
- New York City Parkland (Not Surveyed)

This map is limited by the accuracy of its source data and is intended for illustrative use only.
01-31-2008



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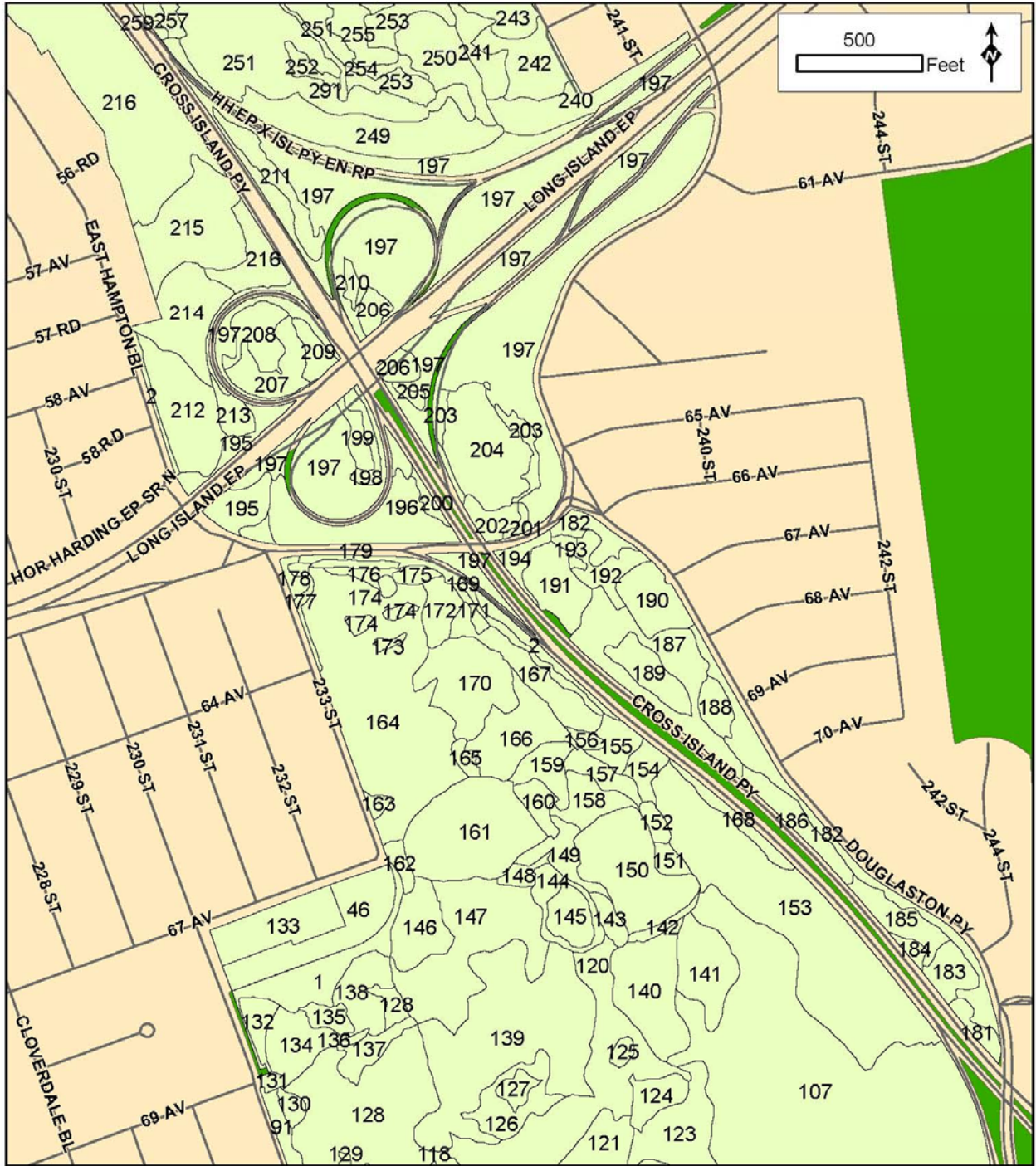
Alley Pond Park Natural Areas Entitment -- View 1

- Entitment Unit Boundaries (1987)
- New York City Parkland (Not Surveyed)

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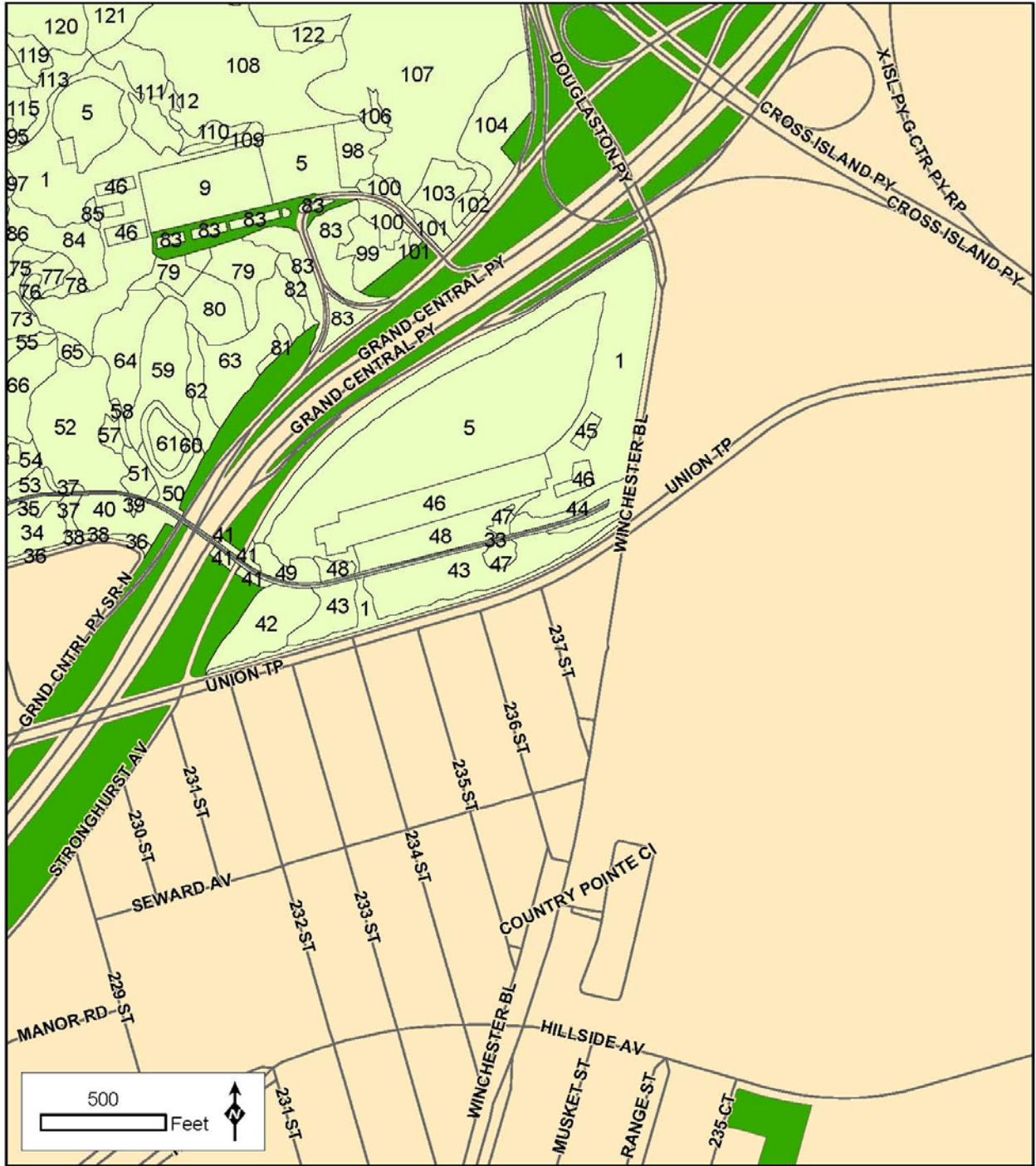
Alley Pond Park Natural Areas Entitment -- View 3

- Entitment Unit Boundaries (1987)
- New York City Parkland (Not Surveyed)

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Alley Pond Park Natural Areas Entitment -- View 5

- Entitment Unit Boundaries (1987)
- New York City Parkland (Not Surveyed)

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Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 1
Acreage: 26.60
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'			Picnic	Compaction
Deciduous	Black oak	>30'			Campfire	Fire
Hemicryptophytes	London planetree	>30'	Yes		Foot traffic	
Undulating	Cool season grass	<5'				
Dry						

Comments:

Maintained, manicured woodland throughout Alley Pond Park. Over 50 year old trees. Mower compacts soil; few wildflowers make it to flowering before being cut. Edges allowed to grow wildflowers; grass 10" high in some spots here. Other trees in area: flowering dogwood, American beech, sweetgum, sycamore maple, Sassafras, pin oak, silver maple, black locust, and others. Herbaceous species include CSG, path rush, mugwort, lamb's quarters, goldenrod, white wood aster, moss etc. A lot of tulip tree, white oak, and hickory spp. in southeastern section.

Unit: 2
Acreage: 1.10
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes	Road		Dumping
	Cool season grass	<5'			Vehicle	Compaction
Hemicryptophytes					Foot traffic	Auto
Level						
Dry						

Comments:

Herbaceous border along park's edges. In the part that is mowed CSG is dominant. Cars pull off the side of the road here fairly often and there are spots where the soil is compacted. Access blocked in spots by berms, which are either in this unit or adjacent ones. Herbaceous species include dogbane, dandelion, everlasting pea, goldenrod, poor-man's-pepper, clover, and curly dock. Lianas spreading from adjacent areas.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 3
Acreage: 3.57
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes	Road	Foot traffic	Dumping
Deciduous	Poison ivy	All		Full-crown	Vehicle	Dirt berms
Lianas	Black cherry	All				
Slope	Sassafras	<5' & 5-30'				
Dry	Pin oak	>30' & 5-30'				
	Flowering dogwood	5-30'				

Comments:

Vineland of bittersweet, poison ivy, wild grape, Japanese honeysuckle, and Virginia creeper that stretches along parks' border at 53rd Ave. Multitude of tree species-- dogwood and hawthorn plantings that have been invaded by Norway maple, black cherry, and Sassafras. Species composition is very mixed and is changing. MC: because of access problems, dumping, and liana growth (yet good wildlife area). Small pocket of black locust, plus gray birch, red oak, pin oak, sycamore maple, crab apple, white ash.

Unit: 4
Acreage: 1.86
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	All			Foot traffic	Erosion
Deciduous	Black oak	<5' & >30'			Vehicle	Compaction
Phanerophytes	Black cherry	<5' & 5-30'			Picnic	Trash
Slope	Cool season grass	<5'				
Dry	Mugwort	<5'	Yes			

Comments:

An area surrendered by the Parks Dept. Once was a lawn area but hasn't been mowed that often, and the result is the encroachment from the woods. Pioneering species like black cherry and grey birch. Other species: mimosa, white ash, crab apple, deadly nightshade, plenty of aster and poison ivy, path rush, hawkweed, Queen Anne's lace, Rubus, common plantain, wild chicory, smartweed, Virginia creeper, bittersweet, butter-and-eggs, knapweed, Indian hemp, goldenrod, flowering dogwood, and catbrier.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 5
Acreage: 28.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'			Sports	Compaction
Hemicryptophytes	Plantain spp.	<5'			Foot traffic	
Level					Picnic	
Dry						

Comments:

Areas of managed ballfields. Well maintained. Scattered trees.

Unit: 6
Acreage: 0.14
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'			Foot traffic	
Hemicryptophytes	Knapweed	<5'				
Level	Poison ivy	<5'				
Dry						

Comments:

Small herb. unit that separates the half of unit 4 which is adj. to paved pathway from the half that borders 53rd Ave. MC: Knapweed is abundant herb and is a good food source for butterflies; also, poison ivy is invading the field. Other species include: mugwort, rose, and dogbane.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 7
Acreage: 0.76
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	
Deciduous	Flowering dogwood	5'-30'				
Phanerophytes	Sycamore maple	>30'	Yes			
Level	Privet sp.	5'-30'	Yes			
Moist	Black cherry	5'-30'				
	Bittersweet	5-30'&<5				

Comments:

A closed forest unit adjacent to ballfields and the corner of Springfield Boulevard and 76th Street. One dead tree on the ground. Other species: mugwort, Virginia creeper, black haw, hawthorn, goldenrod, Aster, wineberry, curly dock, burdock, and white snakeroot. Very rich area for mushrooms of the Amanita and Boletus genera.

Unit: 8
Acreage: 0.70
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'		Hedgerow	Vehicle	Grass dump
Deciduous	Ornamental shrubs	5'-30'		Road	Foot traffic	Trash
Phanerophytes						Dumping
Level						
Dry						

Comments:

A planted double strip of pin oaks with a hedgerow of CSG along the road is mowed occasionally. Other species: common plantain, lamb's quarters, Norway maple, arrowwood, poison ivy, wood sorrel, black locust, mountain ash, black cherry, mugwort, deadly nightshade, flowering dogwood, wineberry, Asiatic dayflower, crab apple, and smartweed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 9
Acreage: 4.83
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Vehicle Foot traffic	Trash
Level						
Dry						

Comments:

Various parking lots of various shapes and sizes in various locations. Various hemicryptophytes present, such as mugwort, common plantain, CSG, as well as occasional tree rows.

Unit: 10
Acreage: 0.58
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'			Foot traffic	Dumping
Deciduous	Black cherry	All			Vehicle	Trash
Phanerophytes	Norway maple	All	Yes			
Level						
Moist						

Comments:

A moist area with abundant red maple. Other trees include: swamp white oak, pin oak, black oak, Sassafras, dogwood, and American hornbeam. The area is bordered by a road where dumping of branches, leaves and lawn clippings occurs frequently. Dirt berms were created to prevent dumping. Other species: rose, hawthorn, poison ivy, Virginia creeper, bittersweet, Aster, mugwort, Rubus, pokeweed, lamb's quarters, smartweed, arrowwood, wineberry, and ornamental shrubs.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 11
Acreage: 0.54
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Picnic site	Foot traffic	
Deciduous	Black cherry	All				
Lianas	Gray birch	<5' & 5-30'				
Slope	Poison ivy	<5' & 5-30'				
Dry						

Comments:

Vineland adjacent to manicured parkland, picnic area, unit 1. Lianas very thick, only sparse in a few areas. A lot of birds present. Area was probably an old picnic spot - evidence of old sites (metal poles, brackets, stone slabs, etc.) Small part of unit near 76th Avenue; black oak regeneration occurring here. Other species include mulberry, goldenrod, Virginia creeper, black birch, wood sorrel, wineberry, mugwort, pokeweed, Sassafras, etc. MC: good wildlife habitat.

Unit: 12
Acreage: 0.49
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	<5' & 5-30'		Picnic site	Foot traffic	Erosion
Deciduous	Black cherry	<5' & 5-30'				
Hemicryptophytes						
Slope						
Dry						

Comments:

Nice area, predominantly grey birch with a carpet of CSG. Surrounding units contain many lianas that may encroach upon this unit, therefore a management concern. Many birds utilize area. Possible former picnic site. Both black cherry and grey birch regenerating; grey birch in clonal patches. Other species--goldenrod, black oak, pin oak, Sassafras, Japanese yew, Japanese honeysuckle, moss, wineberry, mulberry, bay berry, poison ivy, mugwort, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 13
Acreage: 0.33
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All		Road		Compaction
Deciduous	Gray birch	5'-30'		Picnic site		
Lianas	Bittersweet	All	Yes			
Slope	Norway maple	All	Yes			
Dry						

Comments:

MC: the area is evolving into a vineland and will eventually shade out and kill the trees. Grey birch is on its way out as the bittersweet is becoming dominant in the unit. There is some black cherry regeneration, but more Norway maple regeneration. There is Virginia knotweed, Aster, rose, burdock, true and false Solomon's seal, path rush, enchanter's nightshade, Sassafras, American beech, and mapleleaf Viburnum.

Unit: 14
Acreage: 0.20
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All		Road	Foot traffic	Erosion
Deciduous	Black cherry	All		Picnic site	Vehicle	
Phanerophytes	Mugwort	<5'	Yes		Campfire	
Slope						
Dry						

Comments:

Management concern due to the severe erosion taking place on the slopes of the unit. Other trees in the unit include: pin oak, black oak, black birch, red maple, Norway maple, white poplar, grey birch, Virginia creeper, enchanter's nightshade, rough avens, goldenrod, Rubus, false Solomon's seal, rose, wild grape and a lot of leaf litter. Additional management concern because lianas are threatening in and around the unit.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 15
Acreage: 1.20
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	<5' & 5-30'		Road	Foot traffic	
Deciduous	Bittersweet	<5' & 5-30'	Yes			
Lianas	Black cherry	<5' & 5-30'				
Slope	Wild grape	All				
Dry	Poison ivy	<5' & 5-30'				
	Red oak	All				

Comments:

Emergent vineland encompassing a gray birch-black cherry closed forest. Above lianas engulfing many of the trees. Although there is a small amount of red oak, it is regenerating nicely in one spot. MC: because of liana control. Unit is a haven for birds. Other species are deadly nightshade, black birch, mapleleaf viburnum, Rubus, catbrier, Virginia creeper, bayberry, hickory regeneration, rose, Sassafras, mugwort, and swamp white oak.

Unit: 16
Acreage: 1.08
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black berry	All		Full-crown	Foot traffic	Compaction
Deciduous	Sassafras	All			Vehicle	Trash
Phanerophytes	Gray birch	All			Campfire	Vandalism
Slope	Pin oak	>30'				
Dry	Black oak	<5' & >30'				
	Bittersweet	All	Yes			

Comments:

This unit has plenty of black cherry and Sassafras regeneration occurring. Numerous patches of bittersweet, wineberry, wild grape, rose, and mugwort. Full crown tree plantings of pin oaks near unit 1. The area is used often by picnickers who barbecue and litter. Other species: CSG, false Solomon's seal, Aster, Rubus, catbrier, rough avens, poison ivy, enchanter's nightshade, Virginia creeper, pokeweed, and goldenrod. MC: control the lianas.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 17
Acreage: 1.12
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	5'-30'		Cribbing	Foot traffic	Erosion
Deciduous	Red oak	>30' & 5-30'		Road	Vehicle	Trash
Phanerophytes	Sassafras	All				Dumping
Slope	Black cherry	All				
Dry	Black birch	All				

Comments:

The species composition is changing here because the grey birch (pioneering species) is now being shaded out. Species such as red oak are moving in and regenerating. Unit is a management concern because there is serious erosion problems on the steep slopes.

Other species: hawthorn (regenerating), American beech, goldenrod, Aster, poison ivy, Virginia creeper, Japanese honeysuckle, mugwort, CSG, rose, moss, butter--and--eggs, bayberry, and bittersweet.

Unit: 18
Acreage: 0.33
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Poison ivy	<5' & 5-30'			Foot traffic	Fire
Deciduous	Bittersweet	<5' & 5-30'	Yes		Campfire	Compaction
Lianas	Virginia creeper	<5'				Trash
Depression	Black cherry	All				
Dry	Ailanthus	All	Yes			
	Sassafras	All				

Comments:

Small, shallow depression that has recently burned. There has been a recent resurgence of growth. MC: because lianas will grow into canopy that was open by the fire. Vines may grow into adjacent areas too. Other species: red oak, wild grape, jewelweed, Rubus, pokeweed, wineberry, Virginia knotweed, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 19
Acreage: 0.47
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	5'-30'		Road		
Deciduous	Sassafras	All				
Phanerophytes	Black cherry	All				
Slope	Red oak	All				
Dry	Flowering dogwood	<5' & 5-30'				
	Poison ivy	<5' & 5-30'				

Comments:

A unit dominated by grey birch that has a paved path along one of its borders. The grass is cut along the pathway often. The grey birch is dying back, while the red oak and Sassafras are regenerating and becoming more dominant. The unit slopes towards a depression. Parts of the forest floor is covered with poison ivy. Other species are: hickory spp, pin oak, wild grape, flowering dogwood, rose, CSG, goldenrod, Virginia creeper, Aster, mapleleaf viburnum, false Solomon's seal, mugwort, Japanese Honeysuckle, Rubus, and American beech.

Unit: 20
Acreage: 0.06
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes		Foot traffic	Erosion
Deciduous	Norway maple	<5' & 5-30'	Yes		Vehicle	Trash
	Red oak	<5' & 5-30'				

Comments:

MC: it is the border of the park and there is the issue of aesthetics and the problem of dumping. Also, the vineland itself is a management problem. The trees are covered by bittersweet, which will eventually kill them. Other species: black cherry, sycamore maple, CSG, Rubus, mugwort, and poison ivy.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 21
Acreage: 0.05
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes	Road	Foot traffic	
Deciduous	Wild grape	<5' & 5-30'			Vehicle	
Lianas	Sassafras	All				
Level	Virginia creeper	All				
Dry	Poison ivy	<5' & 5-30'				

Comments:

A small pocket of lianas growing on both roads. Vines dominate the vegetation and are choking the trees. At entitation time, a female cardinal was making a nest here. MC: Lianas control. Other species: rose, Rubus, wineberry, smartweed, red oak, black locust regeneration, white poplar, mugwort, Japanese honeysuckle, grey birch, Aster, CSG, Virginia knotweed, rough avens, etc.

Unit: 22
Acreage: 0.22
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes	Cribbing		Erosion
Deciduous	Norway maple	5'-30'	Yes	Road		
Phanerophytes	Black cherry	All				
Slope	Rose	<5'	Yes			
Dry						

Comments:

Dense growth closed forest bordering 73rd Avenue. Understory is sparse and consists of Norway maple saplings and swamp white oak saplings. Ground cover includes some rose and some black cherry (<5'), but is mostly leaf litter. Unit observed after heavy rain; evidence of soil erosion, gully at east end of unit. Other species are Pachysandra, swamp white oak, bittersweet, Japanese honeysuckle, Aster, grey birch, pin oak, Virginia creeper, black birch, red oak, and true Solomon's seal.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 23
Acreage: 0.34
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All			Foot traffic	Erosion
Deciduous	Sassafras	All			Vehicle	
Phanerophytes	Norway maple	<5' & 5-30'	Yes		Picnic	
Slope	Flowering dogwood	<5' & 5-30'				
Dry	Red oak	All				
	Sweet cherry	>30' & 5-30"				

Comments:

Sloping closed forest leading into a moist, depressed area. Unit is a mixture of the above mentioned species. Also some huge black and red oaks present. There is some dogwood, cherry, and oak regeneration; it is difficult to tell if it is sweet/black cherry regenerating. MC because of erosion problems. Other species include: wild grape, poison ivy, Japanese honeysuckle, Norway maple, Aster, basswood, black birch, wineberry, and rose.

Unit: 24
Acreage: 0.35
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	<5' & 5-30'		Road	Foot traffic	Wood dump
Deciduous	Sassafras	All		Old roadbed	Vehicle	
Phanerophytes	Flowering dogwood	<5' & 5-30'				
Level	Black cherry	All				
Dry						

Comments:

The forest floor is covered by Aster, Virginia creeper, and some poison ivy. The grey birch are dying back and there is plenty of grey birch decomposition. Old grassy path on edge of unit. Other species are: true and false Solomon's seal, mapleleaf viburnum, wild grape, black oak, arrowwood, Japanese honeysuckle, Rubus, wineberry, Virginia knotweed, path rush, and black birch.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 25
Acreage: 3.02
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'		Picnic site	Foot traffic	Erosion
Deciduous	Black oak	All			Campfire	Compaction
Chamaephytes	Red oak	All				Leaf dump
Slope	Norway maple	All	Yes			
Dry	Mapleleaf viburnum	<5' & 5-30'				
	Rubus	<5' & 5-30'				

Comments:

MC: most of the unit has steep slopes that have erosion problems. The unit is large and varies depending on slope, soil composition, and erosion. At the bottom, in the kettle depression, is a large patch of wineberry, Rubus, rose, and poison ivy. The trees are large and provide a lot of shade, except in a few spots. Other species: Aster, bittersweet, flowering dogwood, Virginia creeper, mulberry, enchanter's nightshade, pokeweed, smartweed, Virginia knotweed, elderberry, basswood, Sassafras, tulip tree, etc.

Unit: 26
Acreage: 2.79
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	All		Road	Foot traffic	Compaction
Deciduous	Black oak	>30'		Picnic site	Picnic	Dumping
Lianas	Black cherry	All			Vehicle	
Level	Red maple	>30'				
Moist						

Comments:

Closed forest of birch-oak-cherry with some wet site species such as red maple. Majority of oaks and birch over 50'. Very little regeneration. Ground cover is a mix of chamaephytes, hemicryptophytes, and lianas. Lianas may be strangling any regeneration attempts. Portion of unit borders 76th Avenue; much of understory is open. Other species: spicebush, enchanter's nightshade, Aster, wineberry, goldenrod, Virginia creeper, wild grape, Virginia knotweed, rose, Japanese honeysuckle, bittersweet, Sassafras, grey birch, Norway maple, mulberry, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 27
Acreage: 0.19
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All		Road	Foot traffic	Leaf dump
Deciduous	Black oak	All		Full-crown		Trash
Lianas						
Slope						
Dry						

Comments:

Unit borders 76th Avenue. Possibly a berm was created here because the slope towards the street is steep. Problems with dumping (mostly lawn clippings, etc.) some plantings (garden), and erosion. Oaks were probably planted. MC: because of above mentioned problems, and park's border should be protected and enhanced. Other trees are Norway maple, Sassafras and grey birch. Other species include: poison ivy, mugwort, rose and Asiatic dayflower.

Unit: 28
Acreage: 0.62
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30' & 5-30'		Road	Foot traffic	Compaction
Deciduous	Black birch	All		Rock wall	Vehicle	Erosion
Phanerophytes	Flowering dogwood	<5' & 5-30'				Dumping
Knoll	Black cherry	<5' & 5-30'				
Dry	Sassafras	<5' & 5-30'				
	Mapleleaf viburnum	<5'				

Comments:

This unit has many large black oaks but no signs of regeneration present. Regenerating species include grey birch, black birch, and some black locust and bitternut hickory regeneration. Unit borders the corner of 76th Street and Cloverdale Boulevard. It has many footpaths, including a paved one. Other species are: mapleleaf viburnum, catbrier, bittersweet, Aster, path rush, goldenrod, Rubus, CSG, mugwort, Virginia creeper, Virginia knotweed, rough avens, enchanter's nightshade, wineberry and spicebush.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 29
Acreage: 0.40
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	All	Yes		Foot traffic	Leaf dump
Deciduous	Ailanthus	All	Yes		Vehicle	
Phanerophytes	Mugwort	<5'	Yes			
Level	Wild grape	<5' & 5-30'				
Dry	Rose	<5'	Yes			
	Poison ivy	<5'				

Comments:

This unit is the disturbed transition zone between the natural forest and the occasionally mowed strip along Cloverdale Blvd. Occasional incline towards the park pathway. The rose and poison ivy are evident only near the more natural, undisturbed area. Other species are: sweetgum, black cherry, Sassafras, silver maple, flowering dogwood, black birch, oak spp. (5-30'), mapleleaf viburnum, Japanese honeysuckle, great ragweed and dogbane.

Unit: 30
Acreage: 0.20
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	5'-30'			Foot traffic	Erosion
Deciduous	Black cherry	All			Vehicle	Compaction
Lianas	Virginia creeper	<5' & 5-30'				
Slope	Poison ivy	<5'				
Dry						

Comments:

A sloping unit comprised of black birch with some black cherry. The ground cover is Virginia creeper, poison ivy, Aster, and mugwort. The unit is thin and long, and borders the path. Other species include Ailanthus, wild grape, honeysuckle spp., Norway maple, goldenrod, red oak, Virginia knotweed. There is also some oak regeneration.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 31
Acreage: 0.29
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Erosion
Deciduous	Red oak	All				Leaf dump
Phanerophytes	Black birch	All				
Slope	Gray birch	<5' & 5-30'				
Dry	Flowering dogwood	<5' & 5-30'				
	Sweetgum	<5' & 5-30'				

Comments:

Small closed forest with a fairly even mixture of the above species. Many phanerophytes; poison ivy and Aster dominate the ground cover. Unit may be an ecotone of surrounding areas. Oak not as large as is usual in park. Some trees becoming engulfed by lianas (not as much as in rest of park). Unit near Cloverdale Boulevard. Other species are: Ailanthus, Norway maple, wild grape, bittersweet, rose, goldenrod, mugwort, honeysuckle spp., maple leaf viburnum, and Sassafras.

Unit: 32
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	>30'			Vehicle	Compaction
Deciduous	Black birch	>30' & 5-30'				
Phanerophytes	Black cherry	All				
Slope	Hickory spp.	>30'				
Dry	Black locust	<5' & >30'	Yes			
	Sweetgum	All				

Comments:

A transitional unit of distinctive species that make up several surrounding units. The black locust and Sassafras are regenerating very well, while there is little, if any, oak regeneration. One side of this unit slopes toward the Vanderbilt Motor Parkway, but no erosion (at least not serious) is taking place. Other species: spicebush, bittersweet, red maple, Virginia creeper, Aster, poison ivy, Virginia knotweed, Sassafras (with plenty of regeneration), Rubus, catbrier, black cherry (<5'), Rose, flowering dogwood, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 33
Acreage: 1.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Road	Foot traffic Vehicle Dirt bikes	
Level						
Dry						

Comments:
 Old Vanderbilt Motor Parkway.

Unit: 34
Acreage: 1.56
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Compaction
Deciduous	Hickory spp.	>30' & 5-30'			Vehicle	Trash
Phanerophytes	Sassafras	All			Tree house	
Slope	Flowering dogwood	<5' & 5-30'				
Moist	Spicebush	<5' & 5-30'				
	Rose	<5'	Yes			

Comments:
 MC: moist unit, high species diversity. Pockets of lianas and shrubs. Lianas are dense, large, and in certain areas they are killing some of the trees. There are many house cats in the unit. The area varies from large oak trees to young trees and dense stands of spicebush. Other species: Japanese honeysuckle, Trillium sp., Virginia creeper, devil's walking stick, black cherry, elderberry, sweetgum, Jack-in-the-pulpit, ferns, Aster, poison ivy, Virginia Knotweed, enchanter's nightshade, red maple, wild grape, catbrier, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 35
Acreage: 0.21
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'		Road Banks	Foot traffic	Erosion
Deciduous	Black cherry	<5' & 5-30'			Dirt bikes	
Phanerophytes	Spicebush	<5' & 5-30'			Vehicle	
Slope	Red maple	<5' & 5-30'				
Dry						

Comments:

There is severe erosion and a lot of the soil has been washed out onto the Vanderbilt Motor parkway. MC: erosion problem; trees will probably fall soon, due to root exposure. Soil is barely covering 1/3 of the surface, while the remainder is vegetation leaf litter. Other species: Virginia knotweed, bittersweet, poison ivy, Rubus, wineberry, sweet cherry, Aster, tulip tree, flowering dogwood, red oak, hickory spp, enchanter's nightshade, true and false Solomon's seal. Some erosion control efforts have been made (cribbing and berm).

Unit: 36
Acreage: 0.22
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	All	Yes	Road	Foot traffic	Erosion
Deciduous	Ailanthus	All	Yes	Lamppost	Vehicle	Trash
	Rose	<5'	Yes			Compaction
Slope						
Dry						

Comments:

MC: because of erosion on slopes and the trash scattered along the unit. This unit is the border of the park and runs along Kingsbury Avenue towards the Grand Central Parkway. There are pockets of Jack-in-the-pulpit along the slope. Other species: Asiatic dayflower, mugwort, Virginia creeper, great ragweed, Norway maple, Sassafras, sweetgum, black birch, flowering dogwood, bittersweet, poison ivy, Japanese honeysuckle, black cherry, hickory spp., red maple, and meadow rue.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 37
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Spicebush	<5' & 5-30'				
Deciduous	Wild grape	<5' & 5-30'				
Chamaephytes	Jewelweed	<5'				
Depression						
Moist						

Comments:

Small depression with very tall spicebush that cover two sides of Vanderbilt Motor Parkway. Wild grape is beginning to choke out the spicebush by forming a blanket across the top of it. Part of unit is on the slope. Other species: mulberry, Rubus, Norway maple, red oak, black oak, hickory spp., Virginia knotweed, mugwort, and Viburnum spp. MC: wet site species propagation.

Unit: 38
Acreage: 0.10
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Wild grape	All		Road		Trash
Deciduous	Bittersweet	All	Yes			Dumping
Lianas	Rose	<5' & 5-30'	Yes			
Level	Bindweed	<5' & 5-30'				
Dry	Pokeweed	<5'				
	Mugwort	<5' & 5-30'	Yes			

Comments:

Two patches of lianas growing alongside Kingsbury Avenue. There has been a lot of growth here in two years as indicated by the aerial photos. MC: lianas are encompassing black cherry, Ailanthus, red maple, and Sassafras. Dumping and trash by roadside. Other species: deadly nightshade, Rubus, Asiatic dayflower, red oak, Virginia creeper, sycamore maple, Norway maple, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 39
Acreage: 0.04
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Virginia creeper	<5'		Road	Foot traffic	Erosion
Deciduous	Bittersweet	<5' & 5-30'	Yes			
Lianas	Jewelweed	<5'				
Slope	Porcelain berry	<5'				
Dry						

Comments:

Vineland which extends from Vanderbilt Motor Parkway to the underpass. Very little erosion, mostly within underpass on unit's edges. CSG lines this border. Other lianas are wild grape and poison ivy. There is also Rubus, Virginia knotweed, red oak, and avens. Jewelweed is growing alongside the Parkway where water drains into; it is also growing below the underpass where water collects.

Unit: 40
Acreage: 0.06
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	All		Road	Foot traffic	Leaf dump
Deciduous	Red oak	All			Vehicle	Erosion
Phanerophytes	Red maple	All			Dirt bikes	Trash
Slope	Sweetgum	<5' & >30'				
Dry	Flowering dogwood	<5' & 5-30'				
	American beech	All				

Comments:

Closed forest of birch/oak that extends along Vanderbilt Motor Parkway and crosses the road at a point. Patches of catbrier in unit. Other trees include: mulberry, Sassafras and black cherry. MC: Trees are not regenerating well - may be erosion/ compaction problems. Beech has clonal regeneration. One Eastern hemlock present that isn't doing too well. Other species: mugwort, mapleleaf viburnum, hickory spp., Asiatic dayflower, spicebush, poison ivy, arrowwood, Aster, Virginia knotweed, rose, bittersweet, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 41
Acreage: 0.30
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Road	Foot traffic	
	Smooth sumac	<5' & 5-30'			Vehicle	
Chamaephytes	Black cherry	<5' & 5-30'				
Slope	Mulberry	<5' & 5-30'				
Dry	Poison ivy	<5'				
	Goldenrod	<5'				

Comments:

Unit 41 is bisected by the Vanderbilt Motor Parkway and is underneath the Grand Central Parkway. It slopes towards the Motor Parkway and then downhill towards units 42 & 49. The smooth sumac is increasing at a fast rate. Some black locust, sycamore maple, black cherry, mulberry, and crab apple are also invading the unit. Other spp.: Rubus, Ailanthus, pin oak, CSG, wineberry, Queen Anne's lace, evening primrose, chicory, great ragweed, smartweed, common milkweed, daisy fleabane, common mullein, mountain mint, cow vetch, etc.

Unit: 42
Acreage: 1.66
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Guard rails	Foot traffic	
Deciduous	Hickory spp.	All				
Phanerophytes	Norway maple	<5' & 5-30'	Yes			
Level	Flowering dogwood	<5' & 5-30'				
Dry						

Comments:

Vegetation along the border of the Vanderbilt Motor Parkway is representative of units 43 and 48 with the jewelweed and rose present. In the unit itself, there is a pathway that has been "landscaped" to an extent -i.e., rocks lining the trail and planted pachysandra. MC because of the oak-hickory forest and the regeneration taking place here, especially the invasive Norway maple. Lianas are invading along the Motor Parkway and the Grand Central Parkway entrance ramp. Other species are catbrier, Virginia knotweed, rough avens, poison ivy, Aster, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 43
Acreage: 3.69
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes	Road	Foot traffic	Compaction
Deciduous	Black cherry	5'-30'			Vehicle	Dumping
Phanerophytes	Norway maple	All	Yes			
Level	Ailanthus	All	Yes			
Dry	Poison ivy	All				
	Rose	<5'	Yes			

Comments:

Closed forest border of park along Union Turnpike. Overstory primarily black locust and black cherry with a significant amount of Norway maple; the latter is regenerating the most. Virginia knotweed, jewelweed and lianas compose ground cover. MC: moist site and/ or dense ground cover in spots may be preventing regeneration of locust and cherry. Mugwort, goldenrod, Ailanthus (<5), poison ivy and Japanese honeysuckle growing near road. Other species: wineberry, box elder, wild lettuce, jewelweed, CSG, Virginia creeper, silver maple, etc.

Unit: 44
Acreage: 0.42
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	All	Yes	Road	Foot traffic	Erosion
Deciduous	Black locust	All	Yes		Vehicle	
Phanerophytes	Ailanthus	<5' & 5-30'	Yes			
Slope						
Dry						

Comments:

Unit surrounds end of Vanderbilt Motor Parkway at Winchester Avenue. Slopes lead in all directions downward from Motor Parkway. Other trees include: American elm, black cherry, sycamore maple, mulberry and sweet cherry. Regeneration: a lot of Norway maple, some Ailanthus, no locust. Other species-- rose, poison ivy, bittersweet, purple flowering raspberry, mugwort, Virginia creeper, and jewelweed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 45
Acreage: 0.18
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert Deciduous Phanerophytes Level Dry					Foot traffic Vehicle Sports	

Comments:

Community Board 13 - Recreation Resource Center. Managed lawn and ornamental shrubs, plus some trees surround the building located on Winchester Boulevard. Species include: Austrian pine, Scotch pine, Japanese barberry, Japanese yew, crab apple, deadly nightshade, pin oak, flowering dogwood, cool season grass and other ornamental shrubs.

Unit: 46
Acreage: 6.61
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert Hemicryptophytes Level Dry					Sports	

Comments:

Paved (or other material) recreational areas in park such as handball courts, playgrounds, tennis courts, etc. Hemicryptophytes grow ground borders and/or in cracks. Occasionally London planetrees are included. Also there may be lianas growing on fences.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 47
Acreage: 0.48
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	<5' & >30'	Yes	Road	Foot traffic	Erosion
Deciduous	Rose	<5' & 5-30'	Yes	Fence		
Lianas	Virginia creeper	All				
Depression	Wild grape	All				
Moist	Box Elder	<5' & 5-30'				
	Jewelweed	<5' & 5-30'				

Comments:

Emergent vineland. Pocket of lianas growing on black locust in a small depression divided by Vanderbilt Motor Parkway. Most likely, a culvert runs under Parkway here to allow drainage from tennis courts. A lot of wet indicator species - jewelweed, box elder, Trillium. Many eroded "paths" leading to area. Other side of road mostly jewelweed, rose, Japanese honeysuckle, and wild grape. MC: nice wildlife habitat and possible propagation of wet spp. here. Other species: wineberry, black cherry, Ailanthus, garlic mustard, Norway maple, poison ivy, etc.

Unit: 48
Acreage: 1.89
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	All	Yes	Road	Foot traffic	Erosion
Deciduous	Black cherry	>30' & 5-30'		Culvert	Vehicle	Trash
Chamaephytes	Rose	<5' & 5-30'	Yes			
Slope	Box Elder	All				
Moist	Sycamore maple	All	Yes			
	Poison ivy	All				

Comments:

Wet indicator species present, manage for this vegetation and the problems of erosion resulting from drainage of nearby fields and courts. This unit (on both sides of the road) is infested with rats; however, there are plenty of bird species and many rabbits. Erosion and flooding problems due to the many (10+) culverts draining into the area. Jewelweed and box elder around because of Excess water. Other species: Asiatic dayflower, Trillium spp., Virginia Knotweed, poison ivy, smartweed, Japanese . honeysuckle, wild grape, white ash, red maple, CSG, mugwort, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 49
Acreage: 0.68
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Road posts	Foot traffic	Dumping
Deciduous	Sassafras	<5' & 5-30'				Trash
Lianas	Black locust	All	Yes			
Level	Rose	<5' & 5-30'	Yes			
Dry	Bittersweet	<5' & 5-30'	Yes			
	Wild grape	<5' & 5-30'				

Comments:

Small, trashed-out area near Grand central Parkway and adjacent to Vanderbilt Motor Parkway. Ground cover predominately rose and lianas. MC: because emergent vineland; oaks are regenerating, but not as well as they could. Parts of unit may collect water since some wet indicator species are present, such as spicebush and jewelweed. Old road/fence may have run through unit. Other species: hawthorn, white snakeroot, false Solomon's seal, poison ivy, Japanese honeysuckle, Virginia creeper, Aster, Ailanthus, etc.

Unit: 50
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes	Fence	Foot traffic	Trash
	Cool season grass	<5'		Road		
Hemicryptophytes						
Slope						
Dry						

Comments:

A steep slope on the north side of the grand Central Parkway access road. Patches of mugwort among scattered wildflowers. Drainage pipe from road leads into pond. Two footpaths through unit. Other species: wild lettuce, common mullein, goldenrod, butter-and-eggs, Queen Anne's lace, a small patch of Rubus, common plantain, bittersweet, sweetgum, and some oak seedlings.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 51
Acreage: 0.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Full-crown	Foot traffic	Erosion
Deciduous	Flowering dogwood	5'-30'			Bikes	Compaction
Hemicryptophytes					Vehicle	Trash
Slope						
Moist						

Comments:

MC: closed forest of red oak, which experiences a great deal of erosion and compaction from foot/bike traffic. Unit slopes toward Little Alley Pond. Some type of cribbing had been put in that is useless now and root exposure is rampant! Some patches of vegetation, but undergrowth is practically non-existent. Unit sees a lot of usage. Three big black oaks and some black birch present. Other species include: path rush, moss, American beech, bittersweet, poison ivy, sweetgum, spicebush, Aster, goldenrod, and mapleleaf viburnum.

Unit: 52
Acreage: 3.43
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30' & 5-30'		Road		Compaction
Deciduous	Black oak	>30'		Picnic site		Fire
Chamaephytes						Leaf dump
Undulating						
Dry						

Comments:

Woodland of oaks that was a former picnic site; some picnicking still in spots. Fire evident; Rubus heavy in spots with other chamaephytes. Some fallen trees; some with basal fire scars. Large area. Ground cover primarily Rubus, wineberry, bittersweet, wild grape, Aster and path rush. Borderline lianas/chamaephytes (5'), but they are hindering regeneration. Other species: black cherry, Sassafras, mulberry, devil's walking stick, Virginia knotweed, garlic mustard, rough avens, goldenrod, mugwort, dogbane, pokeweed, catalpa (<5'), etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 53
Acreage: 0.36
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Road	Foot traffic	Erosion
Deciduous	Black birch	All			Bikes	Compaction
Hemicryptophytes	Flowering dogwood	<5' & 5-30'				
Slope						
Dry						

Comments:

Small closed forest of very few trees, most of which are over 30'. Area is severely eroded due to natural actions and foot/bike traffic. Little/no groundcover except near base of trees and at unit edge. A built-up embankment, which slopes toward both a paved path and the Vanderbilt Motor Parkway. Root exposure evident. Other species include: serviceberry, black cherry, mapleleaf viburnum, CSG, Aster, poison ivy, Virginia creeper, black oak, hickory spp., black locust.

Unit: 54
Acreage: 0.84
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Kettle	Foot traffic	Erosion
Deciduous	American beech	>30'				Compaction
Lianas	Black oak	All				
Slope	Wild grape	<5' & 5-30'				
Dry	Black birch	All				
	Flowering dogwood	<5 & 5-30'				

Comments:

Plenty of regeneration taking place on the kettle slopes except where erosion and foot traffic are heavy. The regenerating species include tulip tree, Sassafras, sweetgum, flowering dogwood, black birch, and black cherry. The understory is covered in most parts with wild grape and some Rubus. Other species: spicebush, mapleleaf viburnum, Asiatic dayflower, ferns, bittersweet, CSG, Virginia creeper, Virginia knotweed, poison ivy, and black locust. Some erosion control efforts have been made using hay and asphalt.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 55
Acreage: 1.54
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Water fnrn.	Foot traffic	
Deciduous	American beech	All			Access	Erosion
Phanerophytes	Black oak	>30' & 5-30'			Campfire	Compaction
Undulating	Black birch	<5' & 5-30'				
Dry	Flowering dogwood	<5' & 5-30'				
	Mapleleaf viburnum	<5' & 5-30'				

Comments:

The Northern red oak dominates unit 55 with remaining species not nearly as numerous. American beech may be regenerating, but it really, appears to be clonal. Sunlight reaches the forest floor; there are a few pockets of open space. Other trees include: hickory spp, Sassafras, white oak, sweetgum, black cherry, American hornbeam, tulip tree, mulberry. Other species: Aster, goldenrod, Virginia knotweed, spicebush, wineberry, Rubus, wild grape, bittersweet, Norway maple, Virginia creeper, honeysuckle sp., highbush blueberry, serviceberry, etc.

Unit: 56
Acreage: 0.08
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Kettle	Foot traffic	Compaction
	Pokeweed	<5'			Picnic	Erosion
Hemicryptophytes	Asiatic dayflower	<5'	Yes		Campfire	
Depression						
Moist						

Comments:

Old kettle hole which no longer holds water. Not as many wet sites here as some other areas. This unit may end up like unit 67 because of abundant organic matter and little vegetation. Some erosion, soil compaction problems. May be picnicking here since the depressions seem to be a favorite spot. Other species include: smartweed, jewelweed, and deadly nightshade.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 57
Acreage: 0.23
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30' & 5-30'		Old path	Foot traffic	Erosion
Deciduous	Red oak	>30'		Drnge ditch	Vehicle	Vandalism
Phanerophytes	American beech	<5' & >30'				
Slope	Black birch	<5' & >30'				
Dry	Black cherry	All				
	Flowering dogwood	<5 & 5-30'				

Comments:

A small unit that has two paths and a set of stairs in it. It overlooks the pond and has a large American elm snag. A few large trees in the unit with a lot of young trees and saplings coming in. The American beech doesn't seem to be regenerating, but there are many suckers sprouting from the roots. Other species: hickory spp., Sassafras, sweetgum, mulberry, wild grape, Virginia creeper, poison ivy, bittersweet, Aster, Rubus, CSG, mapleleaf viburnum, a good deal of young grey birch, catbrier, spicebush, and Viburnum sp.

Unit: 58
Acreage: 0.10
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Wild grape	5-30'&<5'		Road		
Deciduous	Jewelweed	<5'		Exotic		
Lianas	Virginia creeper	<5'				
Slope	Bittersweet	<5'	Yes			
Moist	Mugwort	<5'	Yes			

Comments:

Small vineland strip, which gently slopes from paved pathways to Little Alley Pond. Wild grape growing over everything. Site is moist; jewelweed present. Hornet/wasp nest noted. A lot of bird activity here. Ornamental shrubs planted; may have been old picnic site in part of unit. Other species are ornamental shrubs, common ragweed, poison ivy, one sassafras tree, hawthorn, black cherry, rose, etc. MC because blocks view of pond, yet good for wildlife.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 59
Acreage: 2.17
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes		Foot traffic	
	Pokeweed	5-30'&5'				
Hemicryptophytes	Sweetgum	>30'				
Level	Fringed loosestrife	<5'				
Dry						

Comments:

As evidenced by the aerial photo and the watermarks on trees, this unit was once part of Little Alley Pond. An unusually wet season had caused this area to flood; now it is a meadow with scattered trees. It is a wonderful spot for pheasant. Other species: goldenrod, Queen Anne's lace, evening primrose, lettuce spp., curly dock, cattails, mulberry (5'-30'), tulip tree (<5'), white vervain, cinquefoil, smartweed, burdock, Phragmites, and thistle.

Unit: 60
Acreage: 0.39
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Grass spp.	<5'			Foot traffic	Trash
	Polygonum spp.	<5'			Bike/ ATV	
Hemicryptophytes	Path rush	<5'			Picnic	
Slope	Cabomba spp.	<5'	Yes			
Dry						

Comments:

Sandy area surrounding pond, which primarily contains grass and Polygonum spp. Some areas of unit are moist to the touch, and contain withered Cabomba flowers that were covered by water. MC: zonation caused by seasonal fluctuation of water level provides a good example of vegetation establishment in former lakes and ponds. Other species: goldenrod, cool season grasses, mugwort.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 61
Acreage: 0.60
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic plant	Cabomba sp.	<5'	Yes			Dumping
Hydrophytes Depression Surface water	Unk. Grass	<5'				Trash

Comments:

A pond subject to dramatic fluctuations in water level. Cabomba spp. grows on 35% of the water surface and some grows on recently wet perimeter of pond. Border around pond is sandy, containing grass spp., clover, and Polygonum spp. MC: Pond is habitat for frogs and toads. Much dumping of logs, woody debris, and trash in pond. Seasonal variation in water level is evident from zonation of surrounding vegetation cover.

Unit: 62
Acreage: 0.63
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Oak, red	All			Foot traffic	Erosion
Deciduous	Black birch	All				
Phanerophytes	American beech	All				
Slope	Oak, black	>30'				
Dry						

Comments:

A slope area along the eastern shore of Little Alley Pond with tall red oaks, black birch, and other trees that create a high upper canopy with an open understory. A few fallen, dead trees on the ground. Ground cover is ferns, CSG, mosses and regenerating trees. Soil creep with some gulleying evident on slope. Other species: Aster, pin oak, Sassafras, black cherry, grey birch, flowering dogwood, thistle, mapleleaf viburnum, pokeweed, Virginia creeper, evening primrose, goldenrod, hickory spp., etc. MC because of soil erosion.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 63
Acreage: 2.47
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Oak, red	>30'		Old path	Foot traffic	Dumping
Deciduous	Oak, black	>30'				
Lianas	Tulip tree	All				
Undulating	Bittersweet	5-30'&<5'	Yes			
Dry	Black cherry	5-30'&<5'				
	Virginia creeper	<5'				

Comments:

Closed forest of tall red oaks with scattered black oaks, tulip trees, and black cherries. Not much oak regeneration. Unit is an emergent vineland--lianas reaching into canopy. Large patches of Aster, Virginia creeper. Heavy leaf litter; some dumped prunings; several deadfalls. MC. Vine problems. Other species: Ailanthus, sweetgum, black tupelo, Rubus, wild grape, poison ivy, mint spp., pin oak, Jack-in-the-pulpit, Virginia knotweed, Sassafras, hickory spp., flowering dogwood, white ash.

Unit: 64
Acreage: 1.65
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Oak, red	All		Picnic site	Foot traffic	Wdcp dump
Deciduous	Oak, black	>30'&<5'				Compaction
Phanerophytes	Hickory spp.	>30'				
Undulating	Black birch	All				
Dry	American beech	>30'&<5'				
	Bittersweet	>5-30'&<5'	Yes			

Comments:

Another closed forest with old benches much like unit 35, but more regeneration here. One large snag in unit. A lot of tulip tree saplings, but only one seedling tulip tree. A lot of wineberry, Rubus, Aster, and goldenrod, which a meadow-like condition under the trees. Other species: mint spp., devil's walking stick, flowering dogwood, red maple, Sassafras, Virginia creeper, wild grape, cool season grasses, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 65
Acreage: 0.28
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Oak, black	>30'			Foot traffic	Erosion
Deciduous	Hickory spp.	>30'				
Lianas	Bittersweet	5-30'&<5'	Yes			
Level						
Dry						

Comments:

Emergent vineland much like adjacent unit 35. There has been some regeneration here, which has become encompassed by vines. Many lianas growing into the taller trees. Unit borders the paved road. Other species are: burdock, Virginia knotweed, Rubus, wineberry, devil's walking stick, mulberry, poison ivy, black cherry, tulip tree, and grey birch.

Unit: 66
Acreage: 1.29
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Oak, red	>30'			Foot traffic	
Deciduous	Oak, white	>30'				
Lianas	Oak, black	>30'				
Depression	Ailanthus	5'-30'&<5'	Yes			
Moist	Bittersweet	5'-30'&<5'	Yes			
	Wild grape	All				

Comments:

Unit with oak overstory of a few trees, which slopes down into a depressed area. A lot of regeneration of Ailanthus and devil's walking stick. Unit is becoming engulfed by lianas, which dominate the ground cover. Although part of unit does not have as many trees regenerating, the whole area will probably experience the same invasion of Ailanthus and devil's walking stick. A lot of the soil is moist, as indicated by such species as pokeweed and ferns. Other species include: mulberry, Rubus, wineberry, flowering dogwood, tulip tree, Sassafras, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 67
Acreage: 0.92
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Oak, red	>30'		Sewer	Campfire	Erosion
Deciduous	Black birch	>30'&5-30'		Water Fntr.	Foot traffic	Compaction
Chamaephytes	American Beech	>30'&<5'			Vehicle access	Trash
Depression	Oak, black	>30'				
Dry	Flowering dogwood	5-30'				
	Spicebush	5-30' &<5'				

Comments:

Old kettle hole formation that has since dried up. Four red maple, under 15' (which appear to be dying), and spicebush present, but not really a wet site. Slope eroded, but not as bad as other areas in park. Vehicles and dirt bikes have been seen riding down slopes. Campfire rings present. Most of trees are along slope leading into depression; canopy open in middle of unit. MC: a lot of leaf litter-is it preventing regeneration? Other species: mapleleaf viburnum, wineberry, black cherry, Virginia knotweed, CSG, serviceberry, Norway maple, etc.

Unit: 68
Acreage: 0.32
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Oak, black	All		Road	Foot traffic	Erosion
Deciduous	Oak, white	All		Full-crown tree	Vehicle access	Trash
Chamaephytes	Red maple	>30'&5-30'				
Slope	Sweetgum	All				
Moist	Spicebush	5'-30&<5'				
	Flowering dogwood`	5-30'&<5'				

Comments:

MC only because of the erosion near the steps and pathway. The understory is dominated by spicebush and there is also quite a bit of flowering dogwood. The stump of a former full crown tree supports a lot of mushroom growth. There is some regeneration of black cherry, American beech and tulip trees. Other species include: wild grape, Asiatic dayflower, goldenrod, pokeweed, deadly nightshade, wineberry, Virginia knotweed, mapleleaf viburnum, bittersweet, Rubus, Virginia creeper, Aster, American beech, tulip tree, black cherry and black birch.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 69
Acreage: 0.24
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Road	Foot traffic	Dumping
Deciduous	Black oak	>30'		Full-crown tree	Vehicle access	
Chamaephytes	Hickory spp.	>30'				
Undulating	Flowering dogwood	<5' & 5-30'				
Dry	Black birch	<5' & 5-30'				
	Mapleleaf viburnum	<5'				

Comments:

Small unit with older oak and hickory, and younger dogwood, birch, Ailanthus and devil's walking stick. A lot of wineberry and bittersweet, the latter beginning to grow on trees. Other species are: tulip tree (<5'), Aster, Virginia Knotweed, enchanter's nightshade, goldenrod, etc.

Unit: 70
Acreage: 0.36
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All		Road	Foot traffic	Compaction
Deciduous	Flowering dogwood	5-30'&<5'			Vehicle access	
Phanerophytes	Mapleleaf viburnum	<5'				
Undulating						
Dry						

Comments:

Small unit of American beech with clonal regeneration. Area adjacent to unit 87. Two large black oaks, some hickory, black birch (<5'), and tulip tree (<5'), present also. Dogwood and viburnum not as prolific, but enough to be noted. Lots of leaf litter. MC: one area where it is being dumped into depression and Aster on ground.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 71
Acreage: 0.73
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	>30'			Foot traffic	
Deciduous	Oak, red	>30'			Vehicle access	
Lianas	Oak, white	>30'				
Undulating	Tulip tree	All				
Dry	Flowering dogwood	5-30' & <5'				
	Bittersweet	5-30' & <5'	Yes			

Comments:

Closed forest in a small valley leading to depression unit 72. Ground cover is leaf litter and lianas. Quite a bit of mapleleaf viburnum near unit's edge (87,69,70). Bittersweet taking over in spots. Other species: sweet cherry, two large black oaks, black birch, black black cherry, Ailanthus, wineberry, spicebush, Virginia creeper, Aster, Virginia knotweed, false Solomon's seal, pokeweed, and Sassafras.

Unit: 72
Acreage: 0.12
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes		Campfire	Trash
Deciduous	Pokeweed	<5' & 5-30'			Foot traffic	Fire
Lianas	Spicebush	<5' & 5-30'				
Depression	Rubus	<5'				
Moist	Deadly nightshade	<5'				

Comments:

This depression is a potential wetland as indicated by the species spicebush and pokeweed. However, bittersweet is choking and outcompeting the spicebush. Soil conditions are moist. MC: because of the lianas and the people who have barbecues and campfires in the depressions. Other species: Virginia creeper, smartweed, sweetgum, wineberry, black cherry, sweet cherry, tulip tree (5'), and Sassafras.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 73
Acreage: 0.54
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	<5' & >30'		Stairs	Foot traffic	Erosion
Deciduous	Black birch	All				
Phanerophytes	American beech	All				
Slope	White oak	>30'				
Dry	Flowering dogwood	<5' & 5-30'				

Comments:

Severe erosion problems in this steeply sloped, closed forest. Unsuccessful attempts were made to control it with cribbing. Ground cover primarily bare soil and leaf litter. Much of the clonal beech regeneration is dying/dead. Shrubs planted along stair include: highbush blueberry, rose; also some maplewood viburnum here. MC: because of erosion problem, which adds to siltation of Muskrat Pond. Other species are: catbrier, Aster, goldenrod, CSG, Rubus, bittersweet, Virginia knotweed, red maple, poison ivy, black cherry, etc.

Unit: 74
Acreage: 0.37
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'			Foot traffic	Erosion
Deciduous	White oak	>30'				Compaction
Hemicryptophytes	Mugwort	<5'	Yes			
Slope	Aster	<5'				
Moist						

Comments:

Small openings upslope from Muskrat Pond near woodland center. Overstory much like unit 1. Some erosion on the slope; grassy paths through unit. Other species: hickory spp., tulip tree (<5'), black birch (<5'), bittersweet, flowering dogwood, goldenrod, path rush, and wineberry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 75
Acreage: 0.39
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'		Cribbing		Erosion
Deciduous	Black birch	<5' & 5-30'				
Phanerophytes	Flowering dogwood	<5' & 5-30'				
Slope	Tulip tree	<5' & 5-30'				
Dry	Wild grape	<5' & 5-30'				
	Sassafras	<5' & 5-30'				

Comments:

Another steeply sloping unit that drains into Muskrat Pond. MC: there is erosion, but the gulleys are not as severe as in unit 73. This is primarily due to the regeneration of black birch, flowering dogwood, tulip tree, Sassafras and wineberry. There is a fallen red oak tree in the unit, possibly from last year. Other species include: bittersweet, Aster, mugwort, burdock, poison ivy, Virginia creeper, Virginia knotweed, mapleleaf viburnum, smooth sumac, grey birch and mimosa.

Unit: 76
Acreage: 0.13
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Common cattails	<5' & 5-30'		Kettle	Foot traffic	Dumping Trash Vandalism
Geophytes						
Depression						
Surface water						

Comments:

This is Muskrat Pond. A small kettle pond formed in the glacial era. Currently, about 1/4 of the pond has cattails growing in it. The pond is loaded with peepers, frogs, bullfrogs, logs, and dumped debris. Pond is about the same size as two years ago (as on aerial photos), possibly due to heavy rain lately. MC: The pond contains cattails and we would like to see them remain (they are being ripped out) and there is concern over the possible invasion of mugwort. Maybe pond should be dredged so it doesn't silt in.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 77
Acreage: 0.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes		Foot traffic	Compaction
Hemicryptophytes	Pokeweed	<5' & 5-30'				
Slope						
Dry						

Comments:

MC: we would like to remove the mugwort and have a wildflower meadow near the pond to provide a more native setting than the exotic plants. The soil conditions are dry upland but heading towards the pond, the soil moisture increases. There is trampling vegetation occurring around the pond's edge. Mugwort is much more dominant than pokeweed. Other species include clover, bittersweet, wild grape, Queen Anne's lace, CSG, cattails, path rush, weeping willow, smartweed, rose, evening primrose and tulip tree.

Unit: 78
Acreage: 0.20
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	<5' & 5-30'		Fullcrown	Foot traffic	
Deciduous	American beech	<5' & >30'				
Phanerophytes	White oak	>30'				
Slope	Red oak	>30'				
Dry	Bittersweet	<5' & 5-30'	Yes			
	Poison ivy	<5'				

Comments:

Closed forest of aforementioned species becoming entangled with lianas. A lot of black birch and American beech regeneration. Area is adjacent to picnic spots in unit 1 and there are some old picnic foundations in here. Other trees include: mulberry, black locust, black cherry, tulip tree (5'), and grey birch. Other species are: wineberry, mugwort, polygonum spp., wild grape, etc. Although lianas aren't much of a problem in this unit, they may eventually take over.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 79
Acreage: 1.69
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'			Foot traffic	
Deciduous	Red oak	>30'			Vehicle	
Lianas	Hickory spp.	>30'				
Depression	Red maple	>30'				
Moist	White mulberry	5'-30'	Yes			

Comments:

Many pin oaks along the road's edge that were probably planted. A couple of large trees, one sweet cherry and one black birch. One tall snag in the unit. Other species are boxwood, bittersweet, mulberry mugwort, Sassafras, white wood aster, Rubus, tulip tree, path rush, deadly nightshade, Virginia creeper, pokeweed, goldenrod, and wood betony.

Unit: 80
Acreage: 1.28
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Picnic site	Foot traffic	
Deciduous	Black oak	>30'			Picnic	
Lianas	Pin oak	>30'			Vehicle	
Slope	Black birch	>30'				
Moist	Hickory spp.	>30'				

Comments:

MC: Forests like this where no tree regeneration is permitted should have trees planted for the future. The forest floor is covered with woodchips.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 81
Acreage: 0.18
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Pokeweed	<5'				Trash
	Black tupelo	5'-30'				Fire
Hemicryptophytes	Sweetgum	5'-30'				Erosion
Depression	Lettuce sp.	<5'				
Wet						

Comments:

The edge next to the Grand Central Parkway border that has burned recently. The depression has filled with water recently as evidenced by the dead oak and other border trees. No jewelweed, which is odd for an area like this. Other species: Asiatic dayflower, dogbane, and polygonum species.

Unit: 82
Acreage: 0.33
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'		Road		Auto
Deciduous	Ailanthus	5'-30'	Yes	Exotics		Fire
Chamaephytes	Staghorn sumac	5'-30'				
Slope	Shining sumac	5'-30'				
Moist	Smooth sumac	5'-30'				
	Black cherry	5'-30'				

Comments:

Other species are boxwood, black birch, white ash, bittersweet, dogbane, Rubus, Virginia creeper, white wood aster, Joe-Pye- weed, rose, Sassafras, thistle, poison ivy, cow vetch, chicory, Aster, and pin oak.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 83
Acreage: 4.38
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Fullcrown	Vehicle	Trash
	Pin oak	>30'			Foot traffic	
Hemicryptophytes	Black oak	>30'				
Slope						
Dry						

Comments:

The unit is the entrance and exit of Alley Pond Park via the Grand Central Parkway and Winchester Boulevard. It has grassy malls with planted trees between the roadways. There was a dumped, burned car at the entrance gate, but it has since been removed.

There are bollards that mark and block the boundary of the parking lot, baseball field, and park. Other species: Queen Anne's lace, dandelion, common and English plantain, white oak, Sassafras, and clover.

Unit: 84
Acreage: 1.41
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'			Foot traffic	
Deciduous	Black oak	>30'				
Hemicryptophytes	Hickory spp.	>30' & 5-30'				
Undulating	Tulip tree	>30' & <5'				
Dry	Flowering Dogwood	5-30'				

Comments:

Old picnic area, which was part of unit 1 that has become overgrown. Most trees are full crown. Ground cover of leaf litter and cool season grasses, mugwort, bittersweet, and wineberry, all interspersed, red oak dominant; other tree species mixed in. MC: because of nearby picnickers and lianas that interfere with regeneration. Other trees are black cherry, black birch, American beech, and sweet cherry; herbaceous spp. include: burdock, mugwort, goldenrod, dogbane, moss, path rush, Aster, Virginia creeper, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 85
Acreage: 0.11
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Env. Center Foot traffic Vehicle	
Level						
Dry						

Comments:

Alley Pond Woodland Nature Center located near the parking lot just off the Grand Central Parkway. The building is surrounded by yews and ornamental shrubs. Around the periphery are sweetgum, black oak, red oak, and bitternut hickory.

Unit: 86
Acreage: 0.51
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	>30'			Foot traffic	
Deciduous	Bittersweet	<5' & 5-30'	Yes			
Lianas	Rubus	<5'				
Level	Wineberry	<5'	Yes			
Dry	Pokeweed	<5'				
	Mugwort	<5'	Yes			

Comments:

Clearing in forest with a few large white oaks and a mixture of phanerophytes, chamaephytes and lianas in the understory. One huge snag in unit. Lianas growing up large trees and in clumps on ground. Regeneration of dogwood, black birch, and tulip tree in pockets. Some oak and grey birch regeneration also. MC: nice wildlife habitat plus dying oaks. Much dogwood and tulip regeneration under lianas. Other species are: red maple, Aster, Virginia creeper, hickory spp., wild grape, burdock, enchanter's nightshade, goldenrod, mugwort, black cherry, etc

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 87
Acreage: 2.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Road	Picnic	Compaction
Deciduous	Black oak	>30'			Campfire	
Hemicryptophytes	Black birch	>30'			Foot traffic	
Level	American beech	>30'				
Dry	Aster	<5'				
	Wineberry	5-30'&<5	Yes			

Comments:

A unit of relic picnic areas, once thoroughly maintained, now less intensively. Dominant trees are large; ground cover herbaceous. Pockets of thick black birch regeneration. Campfires present; soil compaction in spots surrounding cooking sites. Aster covers most of the southern section, also some mugwort, CSG, and wineberry. Some areas have a better developed understory. Some downed trees present; some woodchips dumped. Other species: tulip tree, black cherry, hickory spp. Sassafras, flowering dogwood, path rush, pokeweed, wild grape, etc.

Unit: 88
Acreage: 0.63
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	All		Picnic site	Foot traffic	Fire
Deciduous	Red maple	All				Erosion
Phanerophytes	American beech	All				Compaction
Slope	Flowering dogwood	<5' & 5-30'				
Moist	Red oak	>30'				

Comments:

A small part of the unit has recently burned and damaged some dogwoods, beeches, and birches. Wildlife index is 5+ due to all the animal burrows from chipmunks, plus birds, and scat. There is a tremendous amount of black birch regeneration; the beech regeneration appears to be clonal. Plenty of Aster on the forest floor. Other species are enchanter's nightshade, Indian pipe, Rubus, mugwort, wineberry, elderberry, Virginia creeper, (1 small) tulip tree, grey birch, rose, alternate-leaved dogwood, poison ivy, bitternut hickory, and sweet cherry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 89
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	>30'			Foot traffic	Erosion
Deciduous	Pin oak	>30'				Compaction
Therophytes	Red maple	>30'				
Depression	Norway maple	<5' & 5-30'	Yes			
Moist	Jewelweed	<5'				

Comments:

A wet site from observation and indicated by species such as jewelweed and red maple. There is a fallen red maple, but it still has Leaves. There are patches of lianas and some Norway maple regeneration. Other species include: sweet cherry, black birch, white ash (5-30'), bitternut hickory, pokeweed, Aster, wild grape, rose, bittersweet, mugwort, Virginia knotweed, enchanter's nightshade, smartweed, wineberry, Asiatic dayflower, common ragweed, and cool season grasses.

Unit: 90
Acreage: 0.10
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes		Foot traffic	Berm
Deciduous						
Lianas						
Level						
Dry						

Comments:

Lianas growing upon trees along 73rd Avenue and up a huge dirt berm put in place to prevent vehicular access. Area borders unit 2. MC because lianas are beginning to encompass nearby trees and area is a haven for birds. Trees becoming engulfed; some engulfed--red maple, Sassafras, and black cherry. Other species are enchanter's nightshade, wineberry, jewelweed, mugwort, Japanese honeysuckle, poison ivy, Virginia creeper, American beech, and Norway maple.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 91
Acreage: 0.98
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All		St. Lights	Foot traffic	Dumping
Deciduous	Norway maple	<5' & 5-30'	Yes		Vehicle	Clippings
Phanerophytes	Sassafras	All				Trash
Slope	Black cherry	<5' & 5-30'				
Dry	Black locust	<5' & 5-30'	Yes			
	Sweet cherry	All				

Comments:

MC: have to prevent dumping from nearby homes. Unit is a long narrow strip that borders 230 Street. There are street lights about 20' back from the road, which were placed here when there was a proposal to widen the road. A low growing forest with mugwort and open patches border the road. Heavy dumping occurs along the immediate edge of the park. Other regenerating species are: black oak and hickory. Other spp. are: apple, hawthorn, poison ivy, Virginia creeper, shining sumac, Japanese honeysuckle, CSG, lamb's quarters, Aster, wild grape, Ailanthus, etc.

Unit: 92
Acreage: 0.86
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Dumping
Deciduous	Wild grape	All				
Lianas	Black cherry	>30' & 5-30'				
Slope	Bittersweet	All	Yes			
Moist	Sassafras	<5' & 5-30'				
	Hickory spp.	<5' & 5-30'				

Comments:

Closed forest unit of mature red oak and black cherry with Sassafras and hickory regenerating strongly, yet area is emergent vineland. Wild grape and bittersweet growing into the tree crowns. Area is moist, with jeweled and pokeweed growing in unit. Other species: shining sumac, honeysuckle spp., flowering dogwood, Japanese honeysuckle, alternate-leaved dogwood, black locust, a pocket of sweet cherry, Virginia creeper, catbrier, Virginia knotweed, swamp white oak, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 93
Acreage: 0.81
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Moist	Red maple	All		Road	Foot traffic	

Comments:

Closed forest of red maple in moist area. Many snags in unit, specifically black cherry trees. Very little ground cover, most of it is organic matter. Some huge pin oaks in unit; some black locust around unit's border. Other species are white vervain, mimosa, smartweed, pokeweed, sweetgum, rose, Virginia knotweed, hickory spp., mapleleaf viburnum, Virginia creeper, wild grape, wineberry, Sassafras, and cool season grasses.

Unit: 94
Acreage: 0.77
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Moist	Black birch Red maple Sassafras Black cherry	>30' & 5-30' All All <5' & 5-30'			Foot traffic	Compaction Fire

Comments:

The species composition is changing rapidly since the black birch is dying and not regenerating. Red maple and Sassafras are doing well; the black cherry is small but regenerating nicely. There is one sweetgum tree that is starting to regenerate nicely. The forest floor is mostly bare with patches of Aster. Other species: white ash (<5'), alternate-leaved dogwood, two pin oaks, and one small white oak.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 95
Acreage: 0.19
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes	Full-crown	Foot traffic	Trash
	Wild grape	All				
Lianas	Sassafras	All				
Level	Cat-briar	All				
Moist	Red maple	All				

Comments:

A unit with the above lianas growing on the ground and into the tall tree crowns. Some areas have a heavy understory of lianas, scrub, and herbaceous species. MC because lianas provide good cover for certain birds. For example, a possible nesting site of pheasants was discovered. Other species are: poison ivy, Asiatic dayflower, enchanter's nightshade, Virginia creeper, Japanese barberry, and Aster.

Unit: 96
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All			Foot traffic	
Deciduous	Black cherry	All				
Phanerophytes	Virginia creeper	All				
Slope	Jewelweed	<5'				

Comments:

A dense stand of Sassafras and some black cherry with a great deal of regeneration of both. Virginia creeper is growing to all heights and into the crowns. Jewelweed grow in patches throughout unit, mostly in open. Immature pheasant sighted. Other species are: catbrier, rose, black oak, Virginia knotweed, elderberry, enchanter's nightshade, great ragweed, mugwort, bittersweet, true Solomon's seal, mapleleaf viburnum, pokeweed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 97
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All		BBQ pits	Foot traffic	Erosion
Deciduous	Black oak	>30'			Vehicle	Compaction
Phanerophytes	White oak	>30'				
Level	American beech	All				
Dry	Black birch	All				
	Bitternut hickory	>30'				

Comments:

There are copious quantities of Sassafras seedlings. There is one patch of wineberry that is doing well. Other trees include sweet cherry, tulip tree (<5'), flowering dogwood, mulberry, root suckers from American beech. Other species are bittersweet, Rubus, Virginia knotweed, poison ivy, Aster spp., rough avens, burdock, mugwort, deadly nightshade, cool season grass, pokeweed, smartweed, Virginia creeper, and path rush.

Unit: 98
Acreage: 0.95
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes		Foot traffic	Compaction
	Cool season grass	<5'				Wood chips
Hemicryptophytes	Sweet white clover	<5'				Trash
Level						
Dry						

Comments:

This unit was used by the contractor to make the adjacent ballfield. As a result of the soil removal and the heavy machinery, the soil is extremely compacted and hard. Towards the wood's edge, wood chips have been dumped in the field. Other species: common plantain, Ailanthus (<5'), lamb's quarters, chicory, black locust (5-30'). Eastern cottonwood, Queen Anne's lace, bird's foot trefoil, smartweed, goldenrod, deadly nightshade, daisy fleabane, Asiatic dayflower, and Virginia creeper.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 99
Acreage: 0.96
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	>30' & 5-30'		Fence	Vehicle	Dumping
Deciduous	Black birch	>30'		Plantings	Foot traffic	Trash
Lianas	Pin oak	>30'				
Undulating	Poison ivy	All				
Moist	Bittersweet	All	Yes			
	Sassafras	All				

Comments:

MC: Unit is an emergent vineland -- should be controlled. There are plantings from the highway department after construction, most likely to prevent erosion and for aesthetics. The forest floor is littered with poison ivy. Other species are boxwood, tulip tree, black oak, Ailanthus, red maple, flowering dogwood, red oak, jewelweed, wild grape, mugwort, Virginia knotweed, Rubus, arrowwood, catbrier, enchanter's nightshade, Aster, white ash (<5'), rose-of-Sharon, and true and false Solomon's seal.

Unit: 100
Acreage: 0.70
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes	Full-crown	Vehicle	Berms
	Black locust	<5' & 5-30'	Yes	Walkway		Dumping
Hemicryptophytes						Trash
Undulating						
Dry						

Comments:

The unit is predominantly mugwort with black locust starting to invade and reproduce. Berms and bollards have been placed along the road's border to stop the dumping that has taken place. This unit is the park's border against the Grand Central Service Road.

The fullcrown trees are black oak and pin oak, two each. Other species are: thistle, clover, Queen Anne's lace, goldenrod, chicory, poor-man's-pepper, bittersweet, Virginia creeper, Ailanthus and Eastern cottonwood.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 101
Acreage: 0.43
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Plantings		Erosion
Deciduous	Boxwood	<5' & 5-30'	Yes			Fire
Phanerophytes	Red maple	>30' & 5-30'				Trash
Slope	Pin oak	>30'				
Dry	Sassafras	5'-30'				
	Bittersweet	All	Yes			

Comments:

Closed forest with a well developed lower canopy, which is composed mostly of boxwood shrubs. Unit borders Grand Central Parkway service road. Bittersweet and wild grape grow into crowns of tallest trees. Some erosion near bridge and throughout unit as evidenced by exposed tree roots. Evidence of surface fire. Forest floor vegetation sparse; just leaf litter except for shrubs. Trash along roadside. Other species: serviceberry, black cherry (5'), black birch, white ash, mugwort, Ailanthus and mountain laurel (several bushes).

Unit: 102
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Landscaped	Foot traffic	Trash
Deciduous	Pin oak	>30'			Picnic	
Lianas	Black cherry	>30' & 5-30'				
Level	Bittersweet	<5' & 5-30'	Yes			
Dry	Poison ivy	<5' & 5-30'				

Comments:

MC: Emergent vineland which at one time was a landscaped, look out point, because it is the highest point in Queens at the end of the terminal moraine. The half-circle terrace contains several trees and lianas. Vines growing into tree crowns. Some mulberry and Ailanthus invading. One large fallen black oak in unit. Other species are: wineberry, mugwort, path rush and Virginia knotweed, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 103
Acreage: 0.93
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30' & 5-30'		Walkway	Foot traffic	Trash
Deciduous	Black cherry	All		Exotics		
Phanerophytes	Poison ivy	<5' & 5-30'				
Slope	Sassafras	All				
Dry						

Comments:

A sloping unit that encompasses what was once the viewing area. There is plenty of black cherry regeneration on the forest floor along with a blanket of poison ivy. The poison ivy does not seem to be crowding out the black cherry regeneration. There are numerous patches of catbrier. Other species are Norway maple, bittersweet, Aster, sweetgum, tulip tree, flowering dogwood, red oak, Ailanthus, boxwood, wild grape, Virginia creeper, true and false Solomon's seal, goldenrod, mapleleaf viburnum, black birch, red maple, etc.

Unit: 104
Acreage: 1.85
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes	Walkway	Foot traffic	
Deciduous	Wild grape	All		Fence		
Lianas	Black cherry	All				
Slope	Poison ivy	<5' & 5-30'				
Dry						

Comments:

MC: Do we want more vinelands or do we want to contain them? A very dense, jungle-like, and impassible area where lianas dominate from the ground level to the treetops. The unit borders a fence, which buffers the Grand central Parkway service road. Other species: sweetgum, Virginia creeper, flowering dogwood, pin oak, Aster, jewelweed, Rubus, rose, shining sumac, Ailanthus, black locust, wineberry, enchanter's nightshade, etc. Some regeneration of sweetgum and erosion on paths.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 105
Acreage: 0.89
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Vandalism
Deciduous	Black locust	>30' & 5-30'	Yes			
Phanerophytes	White pine	>30' & 5-30'				
Level	Bittersweet	All	Yes			
Dry						

Comments:

A potential management area for the white pines, seven of them, growing among the black locust. Lianas are not growing on white pines. A couple of the white pines were felled by vandals. Others species: red maple, sweetgum, Virginia creeper, rose, false Solomon's seal, poison ivy, lots of white ash regeneration, Virginia knotweed, jewelweed, red oak, day lily, Asiatic dayflower, and black oak. MC: good wildlife habitat as a roosting/nesting site for owls.

Unit: 106
Acreage: 0.22
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes		Foot traffic	Trash
Deciduous	Weeping willow	<5' & 5-30'	Yes			
Therophytes	Box Elder	<5' & 5-30'				
Slope	Jewelweed	<5'				
Moist						

Comments:

A moist area on a slope behind the field unit near the ballfield. Wet indicator species, such as jewelweed, carpet the moist floor. Tree crowns growing together and soon will form a closed forest. Other species: rose, wineberry, garlic mustard, wild grape, enchanter's nightshade, Virginia knotweed, mugwort, great ragweed, Norway maple, and bittersweet.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 107
Acreage: 24.74
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes		Foot traffic	Compaction
Deciduous	Ailanthus	<5' & 5-30'	Yes			
Lianas	Wild grape	All				
Undulating	Poison ivy	All				
Dry	J. Honeysuckle	All	Yes			

Comments:

Very large, diverse, dense/impenetrable vineland. Area obviously suffered severe disturbances. Appears to be wonderful wildlife habitat, suggesting that vines are not so bad. There are occasional patches with little or no ground cover that shows recent burns. Ailanthus tends to grow in more open areas. The unit seems to be expanding. Other spp.: pokeweed, mugwort, common nightshade, smartweed, New England aster, rose, black birch, black cherry, black locust, pin oak, tulip tree, Rubus, jewelweed, etc

Unit: 108
Acreage: 6.61
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes		Foot traffic	
Deciduous	Black cherry	>30' & 5-30'				
Chamaephytes	Rose	<5' & 5-30'	Yes			
Undulating	Bittersweet	<5' & 5-30'	Yes			
Dry						

Comments:

Large forest of locust and cherry in which rose and bittersweet are competing for dominant vegetation under 15'. Many small, meandering footpaths in unit (possibly old drug-dealing territory). Nice birding spot. Unit is good candidate for becoming part of large liana unit 107, especially if bittersweet begins to grow on top of rose and shade it out. Other species: Virginia knotweed, poison ivy, Aster, wineberry, Rubus, wild grape, jewelweed, Japanese honeysuckle, CSG, etc. Canopy is sparse, allowing for understory species.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 109
Acreage: 0.23
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	E. Hemlock	>30' & 5-30'		Exotics	Foot traffic	Erosion
Mixed	Black cherry	<5' & 5-30'			Picnic	Compaction
Chamaephytes	Viburnum spp.	<5' & 5-30'			Dogs	
Slope	Japanese yew	<5' & 5-30'	Yes			
Dry	Bittersweet	<5' & 5-30'	Yes			
	Rubus	<5'				

Comments:

A planted area that overlooks the parking lot at the entrance to the Grand Central Parkway. There are many exotics planted here along with the natives and exotics that are moving in. The unit is riddled with footpaths. MC: Extensive erosion and lianas moving in. Other species: poison ivy, wineberry, wild lettuce, pokeweed, mugwort, rose, mulberry, flowering dogwood, black locust, CSG, pin oak, and white pine.

Unit: 110
Acreage: 0.31
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	>30'			Foot traffic	Compaction
Deciduous	Sassafras	>30' & 5-30'				Erosion
Chamaephytes	Black cherry	>30' & 5-30'				
Slope	Rose	<5'	Yes			
Dry	Bittersweet	<5' & 5-30'	Yes			
	Poison ivy	<5' & 5-30'				

Comments:

Transitional zone between 108 and planted edge that overlooks the parking lot. As a result of the parking lot, there is very heavy foot traffic. Also, there is a good amount of rose in the understory. Other species: apple sp., great ragweed, CSG, Japanese honeysuckle, sweetgum, sweet cherry, Aster, wineberry, sweet cicely, Virginia knotweed, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 111
Acreage: 1.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	All			Foot traffic	Trash
Deciduous	Bittersweet	<5' & 5-30'	Yes			
Lianas	Rose	<5' & 5-30'	Yes			
Level	Black locust	>30' & 5-30'	Yes			
	Wild grape	<5' & 5-30'				
	Rubus	<5'				

Comments:

Emergent vineland unit near ballfield and parking lot that is a nice wildlife habitat for birds. Many flickers and (fall) warblers noted. A lot of grey birch present near managed lawn area. Rose and Rubus dominate understory; lianas growing into crowns; bordering woodland-vineland unit. Patches of moist soil where jewelweed and pokeweed are present. Other species: Japanese honeysuckle, poison ivy, Virginia creeper, enchanter's nightshade, black birch, red maple, Sassafras, pin oak, sweet cherry, sweet gum, Ailanthus, Virginia knotweed, etc.

Unit: 112
Acreage: 0.21
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Road	Foot traffic	Compaction
	Mugwort	<5' & 5-30'	Yes		Campfire	
Hemicryptophytes	Great ragweed	<5' & 5-30'				
Level	Smartweed	<5'				
Dry	Rubus	<5'				

Comments:

MC: A nice wildlife area-many flickers and a toad noted. Nice grassy area close to managed lawn unit 1, but blocked off on each side by trees and vines. Unit is slowly becoming invaded by Rubus and wineberry and some lianas (lianas not included in unit). A lot of foot traffic through unit-possibly meetings occur from nearby parking lot. Other species: common ragweed, common plantain, curly dock, burdock, pokeweed, goldenrod, one sweet cherry, knapweed, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 113
Acreage: 0.73
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Mowers
Deciduous	Sassafras	All			Vehicle	
Phanerophytes	Black oak	>30' & 5-30'				
Level	Bittersweet	All	Yes			
Dry	Catbrier	<5' & 5-30'				
	Rose	<5' & 5-30'	Yes			

Comments:

A closed forest which is the buffer next to the paths and ballfields, and separates them from the woodland of Alley Pond Park. The closed forest is slowly becoming engulfed by bittersweet, wild grape and catbrier. Also invading are Rubus and rose. MC: good wildlife management area (especially flickers) because lianas provide cover and because of access to nearby field. Other species: black oak, red maple, white oak, sweetgum, Virginia creeper, CSG, Virginia knotweed, great ragweed, goldenrod, Japanese barberry, pokeweed, etc.

Unit: 114
Acreage: 0.21
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All		Road	Foot traffic	Compaction
Deciduous						
Phanerophytes						
Level						
Dry						

Comments:

Small stand of red maple adjacent to a major pathway in Alley Pond Park. Very little red maple (5'), most red maple regeneration occurs outside the unit. Regenerating species mostly black cherry, but also grey birch, black oak, hickory spp., Sassafras, sweetgum. Understory primarily black cherry, and mapleleaf viburnum. Other species: false Solomon's seal, Aster, goldenrod, poison ivy, Japanese honeysuckle, Virginia creeper and a large grey birch snag.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 115
Acreage: 0.99
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All			Foot traffic	Compaction
Deciduous	American beech	5'-30'				
Phanerophytes	Tulip tree	>30' & 5-30'				
Slope	Red maple	All				
Dry	Black birch	All				
	Mapleleaf viburnum	5-30'&<5'				

Comments:

Even though unit is dominated by black oak, this unit also has a good diversity of black cherry, American beech, hickory spp., red maple, tulip tree, black birch, and Sassafras. There are many footpaths throughout the unit. Other species: black tupelo, Virginia creeper, Aster, pin oak, red oak, flowering dogwood, wild grape, spicebush, false Solomon's seal, sweetgum, catbrier, black locust, poison ivy, bittersweet, wild lily-of-the-valley, etc.

Unit: 116
Acreage: 0.60
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	<5' & 5-30'			Foot traffic	Fire
Deciduous	Black birch	All				Compaction
Chamaephytes	Sassafras	All				
Slope	Mapleleaf viburnum	<5' & 5-30'				
Dry	Red maple	5'-30'				

Comments:

Closed forest of mixed species dominated by black cherry and without oak, which is common in many surrounding units. Parts of unit burned (picnic areas are adjacent to this unit) and it is difficult to tell if the understory there was black cherry or mapleleaf viburnum, but the latter seems to dominate. Many meandering footpaths in area; another favorite spot for dogwalking. Other species: false Solomon's seal, poison ivy, Virginia creeper, Japanese honeysuckle, wineberry, Rubus, path rush, Virginia knotweed, sweetgum, bittersweet, Aster, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 117
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All				Fire
Deciduous	Black oak	>30' & 5-30'				
Phanerophytes	Black locust	5'-30'	Yes			
Level	Red maple	<5' & 5-30'				
Dry						

Comments:

Small unit of cherry, oak and locust with a great amount of black cherry regeneration. One wet area present with a clump of flowering dogwood and red maple trees. Other trees are American beech, sweetgum, pin oak, white ash, etc. Other species include: Japanese honeysuckle, boxwood, false Solomon's seal, Aster, Virginia creeper, honeysuckle species, etc.

Unit: 118
Acreage: 3.00
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All			Foot traffic	Fire
Deciduous	Pin oak	All			Campfire	Dumping
Phanerophytes	Black cherry	<5' & 5-30'				
Slope	Gray birch	5'-30'				
Dry						

Comments:

Closed forest of two oak species with a fairly sparse understory of black cherry regeneration and a small population of grey birch that is on its way out. Fire evident; some dumping in unit. A lot of leaf litter and woody debris present. Some campfire and some trash. Other species include: false Solomon's seal, poison ivy, Virginia creeper, flowering dogwood, red maple (5'-30, <5'), bayberry, highbush blueberry, Aster, mapleleaf viburnum, black tupelo, sweetgum, American beech, hickory species, Sassafras (5'), etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 119
Acreage: 0.42
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Bicycles	
Deciduous	Sassafras	All				
Phanerophytes						
Level						
Dry						

Comments:

There is one large shagbark hickory snag present. Sassafras regeneration is abundant. While there are only small amounts of sweetgum. The forest floor is mostly leaf litter with a small patch of mapleleaf viburnum. Other species are black oak, American beech, flowering dogwood, black cherry, black birch, red maple, sweet cherry, catbrier, wild grape, American chestnut, highbush blueberry, honeysuckle spp., etc.

Unit: 120
Acreage: 7.56
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30' & 5-30'			Foot traffic	Fire
Deciduous	American beech	All			Sports	Compaction
Phanerophytes	Sweetgum	All			Nature walk	Erosion
Undulating						
Dry						

Comments:

A large sprawling unit consisting of primarily the above species. It is used for recreation--running, dogwalking, bicycling, and nature walks. There are numerous snags, a few fallen trees, and the ground cover is mostly leaf litter. There is evidence of past burns in the unit also. Other species are 2 Eastern hemlocks, flowering dogwood, black birch, Virginia creeper, witch hazel, mapleleaf viburnum, Sassafras, black cherry, pin, red and white oak, hickory spp., moss, black tupelo, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 121
Acreage: 0.94
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweet cherry	>30'		Plaques	Foot traffic	Compaction
Deciduous	Hickory spp.	>30'			Sports	
Chamaephytes	Spicebush	<5' & 5-30'				
Slope						
Dry						

Comments:

Small forested unit. Semi-transitional. Dogwoods in understory are dying out (disease or old age?). Other species are mapleleaf viburnum, Aster, poison ivy, oak species, Japanese honeysuckle, sweetgum, tulip tree, Sassafras, etc.

Unit: 122
Acreage: 0.62
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All		Full-crown	Foot traffic	Compaction
Deciduous	Red maple	>30' & 5-30'			Campfire	Vandalism
Phanerophytes						
Level						
Moist						

Comments:

MC: Excessive foot traffic causing soil compaction and inhibiting growth. At one time an open area, as indicated by full-crown tree, with grass as the ground cover. Area is moist to wet, depending on the season, as indicated by the jewelweed, Virginia knotweed, sensitive fern, and moss. Other species: rose, poison ivy, bittersweet, smartweed, and black cherry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 123
Acreage: 1.96
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	All	Yes		Foot traffic	Vandalism
Deciduous	Black cherry	All			Dogs	Compaction
Phanerophytes	Sweetgum	All				Erosion
Undulating	Red maple	>30' & 5-30'				
Dry						

Comments:

This is a long, sinewy knoll, sloping gradually toward a valley of lianas, and steeply toward the eutrophying Turtle Pond (unit 124). Bare understory; lots of leaf litter; wide, compacted path. MC: soil compaction and erosion, especially toward pond. Also, Norway Maple reproducing prolifically. Other species: hickory spp., pin oak, flowering dogwood, Sassafras, poison ivy, Japanese honeysuckle, catbrier, black locust, American beech, and rose.

Unit: 124
Acreage: 0.83
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Water willow	<5'		Kettle	Foot traffic	
	Bur marigold	<5'			Nature walk	
	Sweet pepperbush	<5' & 5-30'				
Depression	Cool season grass	<5'				
Surface water						

Comments:

Turtle Pond. An old pond becoming eutrophied. Pond's edges have surface water, possibly one foot deep as the pond originally was. Most of the depression is filled in and continuing to do so. In the middle is an island of dense vegetation. Other species are: pokeweed, smartweed, Urtica spp., duckweed, and aquatic plants.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 125
Acreage: 0.18
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic plant	Duckweed	<5'		Kettle	Foot traffic	Trash
Hydrophytes						
Depression						
Surface water						

Comments:

Turtle Pond (smaller section). A very small and shallow pond. Surface is covered with a layer of duckweed. There are many bottles that have been thrown in along with branches and logs. The surface area and water volume fluctuate depending upon the amount of rainfall. MC: because it is one of the few ponds that is not filled in.

Unit: 126
Acreage: 1.07
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	
Deciduous	Black tupelo	All			Dogs	
Phanerophytes	Sweet pepperbush	<5' & 5-30'			Campfire	
Level	Red maple	All				
Wet						

Comments:

The species composition is changing as some of the oaks are dying . Many trees are lying on the ground. Sweetgum, black tupelo, red maple, and sweet pepperbush are thriving while other species are suffering from the moist/wet conditions. Other species: ferns, moss, highbush blueberry, white oak, red oak, black cherry, (regeneration), honeysuckle spp., grey birch, American beech, and pin oak.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 127
Acreage: 0.36
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Water willow	<5'		Kettle	Bird watch	Compaction
	Red maple	<5' & 5-30'			Foot traffic	
	Sweet pepperbush	<5' & 5-30'				
Depression	Bullhead- lily	<5'				
Surface water						

Comments:

MC: This area, lily pad pond, is in the later stages of eutrophication. Pond has silted in and vegetation has invaded from the edges. It provides a great spot for birds and bird watchers. A small area remains that has standing water with bullhead-lily growing. The size of the pond increases during wet seasons. Other species: smartweed, moss, black tupelo, and aquatic plants. Evidence of high water marks.

Unit: 128
Acreage: 6.67
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All		Road	Foot traffic	Fire
Deciduous	Sweetgum	All			Bikes	Compaction
Phanerophytes	Hickory spp.	All				
Undulating	Black cherry	All				
Dry						

Comments:

Very large closed forest with a lot of regeneration of many different species, primarily black cherry, but also sweetgum, hickory spp., tulip tree, red, black and white oak, Sassafras, black birch, black tupelo, ash spp., etc. One part of the unit has been burned; some parts are more disturbed than others. Overall a nice area, relatively untouched, mostly large oaks with a mixed understory that is generally <10'. A lot of grey birch throughout unit, which is all dying. Other species: pin oak, bayberry, elderberry, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 129
Acreage: 0.16
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Dry	Sassafras	All			Foot traffic	Fire Auto

Comments:

Small area of Sassafras in the midst of unit 128; trees have fire scars, probably from torched auto (which has recently been pulled out of the area). Variety of trees in unit, most over 20', including black locust, black cherry, American beech, white oak, black oak, sweetgum, red maple, pin oak and flowering dogwood. Part of unit is in transition with adjacent areas and therefore has a lot of phanerophytes, but most ground cover is leaf litter. Also present are mapleleaf viburnum, Aster, poison ivy, false Solomon's seal, and some ash (<5').

Unit: 130
Acreage: 0.25
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Black oak Black cherry Tulip tree	>30' & 5-30' <5' & 5-30' All		Road	Foot traffic Dogs	Trash

Comments:

Closed forest that borders path running adjacent to 230 Street. Although phanerophytes are the dominant vegetation under 15' , there is very little of them, mostly black cherry. This is possibly due to disturbance; also there's a large amount of leaf litter. Other trees are American beech, red oak, flowering dogwood, ash (<5'), and Sassafras (<5'). Other spp: Virginia creeper, Japanese honeysuckle, boxwood, pachysandra, arrowwood, spicebush, Virginia knotweed, and hawthorn.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 131
Acreage: 0.13
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Road	Foot traffic	Dumping
Deciduous	Virginia creeper	All		Exotic	Vehicle	Trash
Lianas	Rubus	<5'			Dogs	Compaction
Level	T. Honeysuckle	<5' & 5-30'				
Dry	Arrowwood	<5' & 5-30'				

Comments:

Small unit of lianas which have engulfed a previously scrubby site. Area adjacent entrance of the park; debris (cultivars, wood cuttings, branches, etc.) was dumped to block off one roadway and is now overgrown with lianas. A good area for birds with lianas overtaking the trees. Other species: black oak, Japanese black pine, Norway maple, black birch, witch hazel, rose, wineberry, mugwort, poison ivy, black cherry (<5'), path rush, pokeweed, etc.

Unit: 132
Acreage: 0.48
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Exotic	Vehicle	Trash
Deciduous	Bitternut hickory	>30' & 5-30'				
Phanerophytes	Sassafras	All				
Slope	Red maple	All				
Dry	Black cherry	All				
	Flowering dogwood	5-30'				

Comments:

Formerly a managed lawn or landscaped area. It hasn't been touched for a few years, so regeneration is taking place (mostly Sassafras). The forest floor is covered with Aster species, goldenrod, and mugwort. There is also an area planted with Rhododendron. Other trees include swamp white oak, two white pine, sweetgum, red oak, Norway maple; other species are mapleleaf viburnum, Virginia knotweed, poison ivy, great ragweed, Rubus, bittersweet, Virginia creeper, true Solomon's seal, sweet cherry, and Japanese barberry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 133
Acreage: 0.91
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Foot traffic Sports Vehicle	Vandalism
Level						
Dry						

Comments:

Unit is P.S. 213, the Carl Ulman School. In the front of the school is the managed lawn and landscaping with London planetree, sweet cherry, willow oak, Colorado blue spruce and other ornamental shrubs. There is vandalism such as broken windows and graffiti. There are many European starlings on the building and surroundings trees. Also there is a small playground for the kindergarten class.

Unit: 134
Acreage: 1.34
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All		Road	Foot traffic	Trash
Deciduous	Black cherry	All				
Lianas	Black birch	>30' & 5-30'				
Slope	Sweet cherry	>30' & 5-30'				
Dry	Wild grape	All				

Comments:

A changing area with old black cherry and black birch on their way out, white ash, tulip tree and some American beech moving in. There is plenty of wildlife on the ground and in the trees due to the ripening vines. Other species: elderberry, witch hazel, spicebush, white oak, red oak, black locust, flowering dogwood, bittersweet, arrowwood, and rose.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 135
Acreage: 0.37
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Phanerophytes Level Moist	Red maple Sweetgum Phragmites Rose	All <5' & 5-30' <5' & 5-30' <5' & 5-30'		Culvert		Dumping Vandalism

Comments:

MC because it is a moist area with red maple, pussy willow, weeping willow and some sedges and rushes. About 95% of the area is not mowed, but part of the unit extends into the managed lawn of unit 1. This is the area that is mowed and where sedges and rushes appear. Other species are deadly nightshade, burdock, great ragweed, Virginia creeper, wood sorrel, sensitive fern, jewelweed, Rubus, elderberry, wild grape, Japanese honeysuckle, grey birch, pin oak, shining sumac, cool season grasses, and bittersweet.

Unit: 136
Acreage: 0.07
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Hemicryptophytes Level Dry	Mugwort	<5'	Yes	Road	Foot traffic	

Comments:

A disturbed, flat, straight, evenly wide strip covered by mugwort. This shape in conjunction with a culvert/bridge support running underneath it suggests an old road or the foundation of one. No trees are growing on this linear pathway. Other species: Virginia knotweed, bittersweet, wineberry, common milkweed, great ragweed, deadly nightshade, and pokeweed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 137
Acreage: 0.64
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	All		Culvert	Picnic	Erosion
Deciduous	Black birch	All			Bicycles	Dumping
Phanerophytes	Black oak	All			Vehicle	
Undulating	Red maple	All				
Dry	Sweetgum	All				

Comments:

The erosion is a much less severe problem here than the other units. The soil is dry overall, but parts are moist due to a depression near the old and silted-in culvert. The ground is mostly leaf litter with smaller areas covered by Japanese honeysuckle and Aster. There are a few rock outcrops. Many of the young hickories (15') have died even though older ones appear healthy. Other species are American chestnut, American beech, grey birch, jewelweed, pokeweed, poison ivy, bittersweet, wayfaring tree, mapleleaf viburnum, highbush blueberry, etc.

Unit: 138
Acreage: 0.88
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	>30'			Foot traffic	Dumping
Deciduous	Black oak	>30' & 5-30'				Trash
Phanerophytes	Black cherry	All				
Slope	Sassafras	All				
Dry	Hickory spp.	All				

Comments:

Generally, the soil conditions are dry, however, there are numerous wet pockets as indicated by red maple and jewelweed. Other regenerating species are white ash, sweetgum and dogwood spp. (especially alternate-leaved dogwood). There are few fallen trees in the unit and a small pocket of lianas toward the school grounds. Other species: Aster, Rubus, mapleleaf viburnum, Japanese honeysuckle, Virginia creeper, American beech, highbush blueberry, mulberry, shining sumac, wineberry, poison ivy, grey birch, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 139
Acreage: 7.24
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	>30'			Foot traffic	Erosion
Deciduous	American beech	>30' & 5-30'			Dogs	Vandalism
Phanerophytes	Black birch	>30' & 5-30'				
Undulating	Sweetgum	All				
Dry	Red oak	>30'				
	Tulip tree	All				

Comments:

This unit is a conglomerate of the above species. The terrain is undulating with soil conditions varying from generally dry to moist to wet. There is some understory growth, but the ground is mostly covered with leaves. The unit is populated with squirrels. Other species: mapleleaf viburnum, white oak, tulip tree, white baneberry, Sassafras, wild grape, sweet cherry, beechdrops, Aster, flowering dogwood, ferns, sensitive fern, black tupelo, red maple, black cherry, American chestnut, spicebush, and catbrier.

Unit: 140
Acreage: 2.87
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Erosion
Deciduous	Black cherry	<5' & 5-30'			Campfire	
Phanerophytes					Bicycles	
Slope						
Dry						

Comments:

A forested unit that is dominated by sweetgum. Regeneration is good, with black cherry and sweetgum reproducing the most. There is little or no environmental disturbance in the unit. Quite a bit of lianas covering the forest floor. Other species: tulip tree, red maple, black oak, white ash, poison ivy, Japanese honeysuckle, flowering dogwood, American beech, rose, bittersweet, pin oak, Japanese yew, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 141
Acreage: 1.62
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Black oak	>30' & 5-30'			Foot traffic	Fire Erosion

Comments:

This unit has recently burned but recovery is excellent with plenty of regeneration occurring. Grey birch in the unit is dying as the mature forest is moving in. There is little or no black oak regeneration, however, the black cherry and sweetgum are flourishing. Other species: shining sumac, tulip tree, hickory, Aster, CSG, moss, Japanese honeysuckle, Ailanthus, pin oak, Rubus, bittersweet, flowering dogwood, black birch, wild lily-of-the-valley.

Unit: 142
Acreage: 0.26
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Slope Dry	Black cherry Bittersweet	>30' All	Yes		Foot traffic	Compaction Erosion Trash

Comments:

The slope is separating two stands of sweetgum. Other species that are present are Sassafras, red maple, Norway maple, oak species, Virginia knotweed, and Aster.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 143
Acreage: 0.45
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All			Foot traffic	Compaction
Deciduous	Hickory spp.	>30'			Bicycles	
Phanerophytes	Oak spp.	>30'				
Level	Sweetgum	<5' & >30'				
Dry	Red maple	>30'				

Comments:

Unit of beech adjacent to eutrophied pond. Good beech regeneration. Little herbaceous ground cover. Other species: mapleleaf viburnum, beechdrops, false Solomon's seal, etc.

Unit: 144
Acreage: 0.67
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All			Foot traffic	Compaction
Deciduous	Sweetgum	All			Campfire	Trash
Phanerophytes	Black tupelo	All				
Slope	Pin oak	>30' & 5-30'				
Moist						

Comments:

MC: this unit that borders the pond has wetland qualities and species. Also, there are two American chestnuts; one is 30' high. The area is full of regenerating sweet pepperbush, red maple and sweetgum. There is a clump of highbush blueberry. There are patches of moss, fern spicebush, black willow, pussy willow, catbrier, grey birch, American beech, Virginia knotweed, jewelweed, Indian pipe, Asiatic dayflower, and Cyperus species.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 145
Acreage: 0.85
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Water willow	<5'		Kettle	Foot traffic	
Phanerophytes Level Surface water						

Comments:

Ecologically this eutrophied pond is extremely important. MC: Unique for management purposes-- either studied for the eutrophication process or possibly restored to a pond. Pond is covered with water willow and there are a few clumps of red maple, button-bush, and sweet pepperbush. "Ground cover" is mostly dead leaves and mud covered in most areas by water. Hard to walk through since you sink in mud. Other species: jewelweed, arrow arum, smartweed, dodder (growing over many plants in one spot) and aquatic plants.

Unit: 146
Acreage: 1.29
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All			Foot traffic	Compaction
Deciduous	White oak	All			Bicycles	Trash
Phanerophytes Level	Flowering dogwood	<5' & 5-30'				Vandalism
Dry	Hickory spp.	>30' & 5-30'				
	Red oak	>30' & 5-30'				
	Black birch	All				

Comments:

Closed forest of American beech and oak (mostly white) with a good amount of flowering dogwood present. Unit sees much environmental disturbance as listed above since it is near P.S. 213. A few snags and fallen trees in unit. MC: species composition changing; a lot of cherry regeneration and black birch over hickory and white oak (especially with the amount of disturbance). Other trees are sweetgum, black oak, black cherry, American hornbeam, grey birch, pin oak, Sassafras (<5'), etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 147
Acreage: 4.41
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	<5' & >30'			Foot traffic	Vandalism
Deciduous	American beech	All			Bicycles	
Phanerophytes	Red oak	<5' & >30'				
Undulating	Hickory spp.	All				
Dry	Flowering dogwood	<5' & 5-30'				
	Black birch	All				

Comments:

Closed forest of oak-beech-hickory species with pockets of regeneration, but ground cover is primarily leaf litter. Area relatively undisturbed and open. A lot of mapleleaf viburnum present. Area near unit 148 has a lot of regeneration of ash spp., sweetgum, grey and black birch, hickory spp., and red maple. Little oak regeneration. Others: tulip tree, black cherry, white oak. Small clearing with wild grape, wineberry, and mugwort; also present are bittersweet, true and false Solomon's seal, Virginia creeper, Virginia knotweed, ferns, etc.

Unit: 148
Acreage: 0.28
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Full-crown	Foot traffic	Compaction
Deciduous	Rose	<5' & 5-30'	Yes		Bicycles	
Lianas	Jewelweed	<5'				
Slope	Path rush	<5'				
Dry						

Comments:

A vineland that has yet to fully develop. Opening in the forest canopy with one large hickory surrounded by several opportunistic species like bittersweet, and rose. Some black birch and tulip tree regeneration, but it is being choked by vines. Other species: CSG, cinquefoil, Virginia creeper, mugwort, Virginia knotweed, curly dock, tulip tree, mint spp., goldenrod, smartweed, mulberry, black cherry, black birch, sweetgum, Rubus, and common ragweed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 149
Acreage: 0.82
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All				
Deciduous	Sweetgum	All				
Phanerophytes	Tulip tree	All				
Level						
Dry						

Comments:

MC: Serious problems with liana encroachment (bittersweet, Virginia creeper, Japanese honeysuckle) choking out maple trees and saplings. Other species are rose, Virginia knotweed, and Aster.

Unit: 150
Acreage: 3.02
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Trash
Deciduous	Oak spp.	>30'			Campfire	
Phanerophytes						
Level						
Moist						

Comments:

Unit of sweetgum of mixed age. A good amount of regeneration including sweetgum, white ash, and black cherry. Little or no herbaceous ground cover. Perhaps this is due to the soil's waterlogged nature in the spring. Other species: beechdrops.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 151
Acreage: 0.32
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	>30'		Full-crown	Foot traffic	
Deciduous	Sweetgum	>30'		Exotic		
Lianas	J. Honeysuckle	<5'	Yes			
Undulating						
Moist						

Comments:

MC: Vines are choking out the trees. Very undesirable. Similar to adjacent unit 152, but more tree diversity (tulip tree, grey birch, black cherry, one full-crown Norway maple that's being fairly prolific, and sweetgum). Other species are Japanese barberry, spicebush, wayfaring tree, Virginia knotweed, white snakeroot, mapleleaf viburnum.

Unit: 152
Acreage: 0.30
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	>30'			Foot traffic	
Deciduous	Spicebush	<5' & 5-30'				
Phanerophytes	J. Honeysuckle	<5'	Yes			
Undulating						
Moist						

Comments:

MC: Ash don't seem to be doing well and Japanese honeysuckle doesn't allow for regeneration of trees. Widely spaced white ash forest. Some scattered saplings (tulip tree, Sassafras, black cherry). Other species: Rubus, hackberry, Virginia knotweed, garlic mustard, and wild grape.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 153
Acreage: 9.54
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	>30' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Black birch	>30'		Full-crown		Erosion
Lianas	White ash	All		Exotic		Trash
Undulating	Bittersweet	All	Yes			
Moist						

Comments:

Fairly dense, disturbed stand of above species. Black cherry appears to be dying out (possibly age, shade, or increase in site moisture). Vines in the area trying to take over. Unit adjacent to Cross Island Parkway. Other species: tulip tree, black locust, wineberry, Japanese honeysuckle, Aster, goldenrod, false and true Solomon's seal, Virginia knotweed, sweetgum, spicebush, poison ivy, etc. Ground cover varies from site to site as does the size of the openings in the canopy.

Unit: 154
Acreage: 0.59
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White ash	>30' & 5-30'			Foot traffic	
Deciduous	Spicebush	<5' & 5-30'				
Chamaephytes	Arrowwood	<5' & 5-30'				
Undulating	Jewelweed	<5'				
Dry	Bittersweet	All	Yes			

Comments:

Open patch in the middle of big woods. Lots of lianas -- bittersweet, Japanese honeysuckle, wild grape. The areas that receive the most sunlight have lots of jewelweed. MC: due to liana threat. Other species: garlic mustard, Aster, Virginia knotweed, nannyberry, goldenrod, black cherry, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 155
Acreage: 0.55
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	>30'		Landfill	Foot traffic	Trash
Deciduous	White ash	>30'		Road		
Chamaephytes	Black birch	>30'				
Slope	Spicebush	<5' & 5-30'				
Dry	Arrowwood	<5' & 5-30'				
	Bittersweet	All	Yes			

Comments:

Fairly disturbed unit composed of pioneer species, secondary species, and lianas. Understory is lush and consists of primarily spicebush, arrowwood, and bittersweet. Ground cover is Aster, poison ivy, and Japanese honeysuckle. MC: vines are beginning to choke trees and there is little tree regeneration due to lack of sunlight and ground covered competition. Other species: flowering dogwood, garlic mustard, Virginia knotweed, Sassafras, purple flowering raspberry, tulip tree, oak spp., and American sycamore.

Unit: 156
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'		Landfill	Foot traffic	
Deciduous	White ash	>30'		Road		
Chamaephytes	Bittersweet	<5' & 5-30'	Yes			
Slope						
Dry						

Comments:

Black birch unit with scattered saplings (red maple, black cherry, tulip tree) and spicebush, in the understory. Other species: goldenrod, poison ivy, Aster, false Solomon's seal, Japanese honeysuckle flowering dogwood.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 157
Acreage: 0.53
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'			Foot traffic	
Deciduous	White ash	>30'				
Lianas	Bittersweet	All	Yes			
Slope	Aster	<5'				
Dry						

Comments:

Forested unit is described above (other tree species: pin oak, Sassafras, sweetgum, tulip tree). For once, it seem that lianas are being shaded out by trees. Other species: poison ivy, Virginia knotweed, false Solomon's seal, etc.

Unit: 158
Acreage: 0.68
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	>30' & 5-30'				Auto
Deciduous	Bittersweet	All	Yes			
Lianas	Black cherry	>30' & 5-30'				
Slope	Gray birch	>30' & 5-30'				
Dry	J. Honeysuckle	<5' & 5-30'	Yes			

Comments:

MC: Lianas are everywhere and this creates a zooed out area. Tree species include: black birch, oak species, red maple, and tulip tree. Other species present: goldenrod, Rubus, mugwort, pokeweed, jewelweed, Virginia knotweed, garlic mustard, rose, arrowwood, Tartarian honeysuckle, and purple flowering raspberry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 159
Acreage: 0.78
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	All		Walkway	Foot traffic	Fire
Deciduous	Black oak	All				
Phanerophytes	Sweetgum	All				
Slope	Hickory spp.	All				
Dry						

Comments:

The unit is recovering nicely after a burn that seems to have occurred during the spring. There is a good regeneration of tulip tree and hickory species. Part of the unit is bare ground while, most is covered with Asiatic dayflower, Aster, Virginia creeper, and Japanese honeysuckle. Other species include true and false Solomon's seal, Virginia knotweed, pokeweed, poison ivy, bittersweet, Sassafras, wild grape, black cherry, garlic mustard, spicebush, Rubus, flowering dogwood a patch of elderberry, red maple, white ash (<5'), Urtica spp., etc.

Unit: 160
Acreage: 0.48
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'			Foot traffic	
Deciduous	Black cherry	All				
Phanerophytes						
Level						
Dry						

Comments:

Unit 160 is a young transitional unit that has started to change. The black birch and black cherry are aging and on their way out. A lot of black cherry and white ash regeneration. A few others like tulip tree, sweetgum, pin oak, and black oak are becoming older and larger. Species like black tupelo and spicebush suggest that the soil is moist in certain spots. Other species: Virginia knotweed, Japanese honeysuckle, Aster, American beech, bittersweet, Virginia creeper, Rubus, false Solomon's seal, and wild-lily-of-the-valley.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 161
Acreage: 3.81
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All		Nature walk	Foot traffic	Erosion
Deciduous	White ash	All				Trash
Phanerophytes	Tulip tree	All				
Slope	Black cherry	All				
Moist						

Comments:

Closed forest dominated entirely by sweetgum. The forest floor is generally open with patches of jewelweed, Japanese honeysuckle, day lily, and spicebush. There is a good deal of regeneration -- sweetgum, white ash, black cherry, and tulip tree. Other: Virginia creeper, true Solomon's seal, mapleleaf viburnum, Virginia knotweed, Rubus, Tartarian honeysuckle, periwinkle, pin oak, false Solomon's seal, Aster, black birch, and red oak. Most of the black cherry trees are about 15' tall. MC: Severe erosion in parts of unit; also, trash.

Unit: 162
Acreage: 0.31
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Dumping
Deciduous	Black cherry	<5' & 5-30'			Dogs	Trash
Phanerophytes	Bittersweet	<5' & 5-30'	Yes			Erosion
Slope	Jewelweed	<5'				
Moist						

Comments:

MC: The dumping of trees, brush and trash makes the park's boundary unsightly. The area is very disturbed and abused due to its proximity to the corner of the road. A lot of dumping of woodchips, gravel, Christmas trees, logs, and at one time, vehicle access. Other species: Tartarian honeysuckle, day lily, Aster, white ash, CSG, hickory spp., Ailanthus, lamb's quarters, mugwort, rose, smartweed, poor-mans'-pepper, wild violet, sycamore maple, and Asiatic dayflower.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 163
Acreage: 0.14
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Level Dry	Bittersweet	<5' & 5-30'	Yes	Road		

Comments:

Patch of lianas growing on trees adjacent to 233rd Street. Some trees becoming engulfed are black oak, black birch, black cherry, white ash, hickory, and sweetgum. Adjacent to very wet area with surfaces water. Other lianas are Virginia creeper and poison ivy. Also present are rose and jewelweed.

Unit: 164
Acreage: 8.91
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Undulating Dry	Red oak Tulip tree American beech White ash Spicebush Black cherry	>30' & 5-30' All All All <5' & 5-30' <5' & 5-30'			Foot traffic Bicycles	Dumping Trash Vandalism

Comments:

MC: soil conditions are generally dry, however, there are many moist areas. These areas contain red maple, dense pockets of spicebush, ferns, and jewelweed. Throughout the unit are small areas of wild grape and other lianas. There are many fallen trees and a few snags. There is one storm drain that empties directly into the unit. Other species: black tupelo, Aster, Jack-in-the-pulpit, moss, mapleleaf viburnum, flowering dogwood, sweetgum, Virginia knotweed, pokeweed, one large Eastern hemlock, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 165
Acreage: 0.19
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Rubus	<5'				Fire
Deciduous	Bittersweet	<5' & 5-30'	Yes			
Chamaephytes	Jewelweed	<5'				
Level						
Dry						

Comments:

Opening in canopy (caused by disease?) where Rubus and jewelweed dominate the ground cover and bittersweet and other lianas are growing up nearby trees. Royal Paulowina tree in center becoming engulfed by vines. Some saplings/seedlings of black cherry, tulip tree, sweetgum - also ash saplings are invading. Other species: hickory spp., goldenrod, false Solomon's seal wild grape, Aster, poison ivy, Virginia creeper, Virginia knotweed, Joe-Pye weed, garlic mustard, black oak (3), and spicebush.

Unit: 166
Acreage: 1.82
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Culvert	Foot traffic	Erosion
Deciduous	American beech	All			Bicycles	Fire
Phanerophytes	Tulip tree	All				
Slope						
Dry						

Comments:

Similar to other units that slope towards the Cross Island Parkway. There is a deep gully with large rocks exposed along with the roots of trees. The trees are large and mature. There are few dead trees and the remains of stumps where ferns now grow. Gully is close to a 6' drop in some places. MC: severe erosion problem. Other species: flowering dogwood, bittersweet, ferns, black oak, wild grape, mapleleaf viburnum, poison ivy, Sassafras, false Solomon's seal, Aster, alternate-leaved dogwood, American hornbeam, CSG, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 167
Acreage: 1.46
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	All			Foot traffic	Erosion
Deciduous	Black birch	All			Bicycles	Deposition
Chamaephytes	Black oak	All				
Slope	Spicebush	<5'				
Moist	Red maple	<5' & 5-30'				

Comments:

Closed forest dominated by white ash at the bottom of a steep slope near the Cross Island Parkway. Part of a dirt pathway is included in the unit where a large gully is beginning to form erosion. Unit gently slopes toward Parkway. Some invasion from unit 169. Small gully in unit, possibly man-made. A lot of woody debris, some snags, some liana problems. MC: wet species area. Other species are ferns, Virginia knotweed, poison ivy, Japanese honeysuckle, American beech, tulip tree, black cherry, American hornbeam, bittersweet, hickory spp.

Unit: 168
Acreage: 0.63
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	White ash	>30'				Trash
Hemicryptophytes	Aster	<5'				
Slope						
Moist						

Comments:

Unit adjacent to Cross Island Parkway. Vegetation immediately next to the road is primarily mugwort (with some other ruderal, ephemeral herbaceous species) with some pin oaks. Little woody vegetation beneath the canopy. Other species: red maple, black cherry, tulip tree, sweetgum, some patches of black locust here and there.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 169
Acreage: 0.43
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Plaque		Trash
Deciduous	Wineberry	<5'	Yes			Dumping
Lianas	Mugwort	<5'	Yes			Erosion
Slope						
Dry						

Comments:

Unit is not mowed, however, it is cut back and pruned so the highway signs, historical plaque, and highway are not obstructed. Unit borders West Alley road and is a mixture of lianas, scrub, and herbaceous spp. MC: historical monument becoming engulfed by vines. Other species are sycamore maple, garlic mustard, bindweed, Japanese honeysuckle, smartweed, ornamental shrubs, goldenrod, black cherry, rose-of Sharon, Queen Anne's lace, evening primrose, Ailanthus, Rubus, Virginia creeper, poison ivy, etc.

Unit: 170
Acreage: 2.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Erosion
Deciduous	Tulip tree	All			Bicycles	Auto
Phanerophytes	Red maple	All				Fire
Slope	Spicebush	<5' & 5-30'				
Moist						

Comments:

Closed forest of red oak and tulip tree with a lot of tulip regeneration and a large amount of spicebush growing in understory. Therefore, borderline chamaephytes/phanerophytes. Unit includes two deep gullies, almost u-shaped with regeneration occurring in it. Tulip, red maple, and spicebush, very thick in one area where opening in canopy has occurred; wild grape beginning to grow atop. Fire evident; also a lot of blowdowns. Management concern: good wildlife habitat. Other spp., are white oak, poison ivy, Virginia creeper, jewelweed, bittersweet, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 171
Acreage: 0.13
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	All				
Deciduous	Black birch	>30' & 5-30'				
Phanerophytes	Red maple	<5' & 5-30'				
Level	Ailanthus	All	Yes			
Dry						

Comments:

Small unit of closed forest with a great variety of trees, most with low DBH's and/or under 15 ft. Ground cover is a variety of poison ivy, Virginia creeper, Japanese honeysuckle, and garlic mustard. Above species are a mixture and it's difficult to pick one as dominant. Other species include spicebush, wild grape, sensitive fern, rose, Virginia knotweed, bittersweet, Norway maple, sweetgum, black cherry, serviceberry, flowering dogwood, American hornbeam, American beech, Sassafras, tulip tree, red oak, black oak, hickory spp., etc.

Unit: 172
Acreage: 0.73
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All				Vandalism
Deciduous	Red oak	<5' & >30'				
Phanerophytes						
Slope						
Dry						

Comments:

Closed forest of very large trees primarily dominated by American beech. Unit slopes toward Cross Island Parkway. Ground cover is mainly leaf litter. Some regeneration of American beech, but very little. A number of snags present. Trees have been vandalized, some cut, and dying ones pushed over. Other species are black birch, Catalpa, hemlock, tulip tree, Norway maple, black oak.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 173
Acreage: 0.11
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes		Bicycles	Trash
Hemipterophytes Level Moist	Jewelweed	<5' & 5-30'				

Comments:

Unit of mostly mugwort and jewelweed with scattered tulip tree saplings created by a blowdown (red oak). Small American chestnut (5-30') in unit. MC: Nice meadow area that illustrates the effect of a blowdown opening up the canopy. Rubus has started to grow in thickly. Other species are Aster, Virginia knotweed, smartweed, and a black birch snag.

Unit: 174
Acreage: 0.39
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Level Dry	Wild grape	All			Foot traffic	Fire

Comments:

Three "islands" of wild grape, which will eventually connect. Three present are red and black oak. Some wet areas present with spicebush and jewelweed. Openings in canopy where trees have fallen (not due to vines) wild grape is growing with jewelweed and Rubus. Other species: black birch, viburnum spp., mapleleaf viburnum, American beech, Aster, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 175
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	All		Drainage	Foot traffic	Erosion
Deciduous	Black birch	>30' & 5-30'				
Hemicryptophytes	Tulip tree	All				
Slope	Ailanthus	All	Yes			
Dry	Black oak	>30' & 5-30'				

Comments:

In this unit there is a gully/drainage ditch, that leads to the highway where a constructed drainage ditch takes over then ends at the pavement. MC: the erosion is severe and tree roots are being exposed. There are few fallen trees and a few snags in the unit. The forest floor is a carpet of Aster. Other species: flowering dogwood, American hornbeam, Norway maple, sycamore maple, poison ivy, bittersweet, hickory species, black cherry, ferns, Virginia creeper, spicebush, wild grape, garlic mustard, and Virginia knotweed.

Unit: 176
Acreage: 0.29
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All		Sign post	Foot traffic	
Deciduous	Black birch	>30' & 5-30'				
Phanerophytes	Sweetgum	All				
Level	Hickory spp.	>30' & 5-30'				
Dry	White ash	All				
	Red maple	5-30' & <5'				

Comments:

A small area at the top of the slope that is flat and has small trees growing in it. The unit is dominated by black oak (2-6" dbh) with good regeneration. Other regenerating species are black cherry and sweetgum. Other species: shagbark hickory, American hornbeam, American beech, grey birch, Ailanthus, sycamore maple, flowering dogwood, Sassafras, Aster, Virginia creeper, moss, wild grape, spicebush, poison ivy, Japanese honeysuckle, and goldenrod.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 177
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sycamore maple	5'-30'	Yes		Foot traffic	Dumping
Deciduous	Ailanthus	<5' & 5-30'	Yes			Trash
Phanerophytes	Bittersweet	<5' & 5-30'	Yes			
Slope						
Dry						

Comments:

A strip of closed forest along West Alley Road. Unit slopes down toward road. Heavy dumping on slope (MC). Other species: Aster, Virginia knotweed, hickory species, mugwort, garlic mustard, goldenrod, mimosa (<5'), flowering dogwood and poor-man's-pepper.

Unit: 178
Acreage: 0.17
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes			
Hemicryptophytes						
Level						
Dry						

Comments:

A monoculture of mugwort that has grown in after a burn. Unit probably a lawn at one time. Now neglected. Many people walk their dogs along the sidewalk and do not clean up after them. Unit includes grassy strip, which loops around corner. MC: possible meadow management.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 179
Acreage: 0.22
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	5'-30'		Road	Foot traffic	Dumping
Deciduous	Aster	<5'			Vehicle	Trash
Therophytes						Erosion
Slope						
Dry						

Comments:

A steep slope with a healthy, but non-regenerating, stand of black birch. The forest floor is covered with Aster, which along with trees stabilize the soil. Soil erosion is very small in severity and amount. The soil has plenty of small rocks in it. Other species: goldenrod, white ash, grey birch, pin oak, arrowwood, serviceberry, wineberry, red oak, moss, poison ivy, flowering dogwood, and bittersweet.

Unit: 180
Acreage: 0.92
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes			Dumping
	Cool season grass	<5'				
Hemicryptophytes	Cow vetch	<5'				
Level	E. Cottonwood	<5'				
Dry						

Comments:

Herbaceous unit of above three species growing upon a large amount of dumping (concrete). Scattered trees present - Eastern cottonwood, black willow, white ash, crab apple, etc. Some areas of surface moisture. Other species: Queen Anne's lace and goldenrod.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 181
Acreage: 0.36
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	All		Plantings	Foot traffic	
Deciduous	Black locust	5'-30'	Yes	Landfill		
Phanerophytes	Fragrant sumac	<5' & 5-30'				
Slope	Bayberry	<5'				
Dry	Mugwort	<5'	Yes			
	Poison ivy	<5'				

Comments:

Area between the Cross Island Parkway and Douglaston Parkway. This unit was most likely mowed at one time. The area was also previously disturbed. Other species: cool season grasses, Ailanthus, goldenrod, rose, and Rubus.

Unit: 182
Acreage: 2.29
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes	Landfill	Vehicle	Dumping
	Cool season grass	<5'		Exotic	Dogs	Trash
Hemipterophytes	Goldenrod	<5'				
Slope						
Dry						

Comments:

Herbaceous unit of above species along the border of the Douglaston Pkwy. A perched water table occurs at the southern end of this unit. Possibly due to asphalt just underneath the surface. There are old tire tracks and concrete dumping. Some invasion of lianas, oak spp., Ailanthus and some black locust. Other species: Virginia creeper, cow vetch, goldenrod, small white aster, rose, butter-and-eggs, bittersweet, wineberry, Rubus, Japanese knotweed, evening primrose, black cherry (<5), Queen Anne's lace, and ash saplings. Berms to prevent access.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 183
Acreage: 0.78
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All			Foot traffic	Dumping
Deciduous	Pin oak	>30'			Campfire	
Phanerophytes	Sassafras	All				
Slope	Black birch	>30' & 5-30'				
Moist	Black cherry	<5' & 5-30'				
	Poison ivy	<5'				

Comments:

A very diverse unit with a good number of different species. Red maple indicates the unit is a moist area. Other trees include: butternut, black locust, red oak, flowering dogwood, white ash and sweetgum. Other species: garlic mustard, Virginia creeper Aster, Japanese honeysuckle, etc.

Unit: 184
Acreage: 0.20
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Foundation		Scraping Compaction
Hemicryptophytes						
Level						
Dry						

Comments:

In 1984 the service station was still standing and now it has been removed.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 185
Acreage: 0.99
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	All				Auto
Deciduous	Sweetgum	>30' & 5-30'				
Phanerophytes	Black birch	5'-30'				
Slope	Black cherry	All				
Moist	Black locust	>30' & 5-30'	Yes			
	Pin oak	>30'				

Comments:

MC: Should eliminate the potential for dumping and remove the garbage already present. A very diverse unit due to its narrowness and the influence of the highways. A lot of debris from the demolition of the service station in unit 184. Other species: spicebush, jewelweed, Aster, Rubus, wild grape, goldenrod, mugwort, wineberry, Virginia knotweed, etc.

Unit: 186
Acreage: 1.06
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	All			Foot traffic	
Deciduous	Black birch	All				
Phanerophytes	Sweetgum	All				
Slope	Black oak	All				
Dry	Sassafras	>30'				
	Flowering dogwood	5-30' & <5'				

Comments:

Unit 186 is an "edge" unit; that is, the forest is narrow and there are no deep woods found here. Only the border of a forest exists where plenty of light reaches the forest floor. A lot of regeneration occurring here. Other species: Aster, goldenrod, mugwort, mapleleaf viburnum, American beech, Ailanthus, white ash seedlings, hickory seedlings, poison ivy, day lily, (3) tulip trees, and catbrier.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 187
Acreage: 2.07
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White ash	>30'		Pipes	Foot traffic	Dumping
Deciduous	Black cherry	All			Bicycles	Trash
Phanerophytes						
Slope						
Dry						

Comments:

This unit is dominated by mature white ash that has little or no regeneration happening, therefore it's a management concern. Patches of oak along Cross Island Parkway. The severe erosion channel continues through this unit and exposes some great spots of glacial till other species include jewelweed, Japanese honeysuckle, Virginia creeper, poison ivy, bitternut hickory, wineberry, Rubus, Virginia knotweed, garlic mustard, Aster, basswood, witch hazel, hickory spp., red maple, box elder, tulip tree, Ailanthus, spicebush, sweetgum, mugwort, etc.

Unit: 188
Acreage: 0.51
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Dumping
Deciduous	Black locust	>30'	Yes		Bike trail	Trash
	Spicebush	<5' & 5-30'				Erosion
Level	Sassafras	<5' & >30'				
Moist						

Comments:

MC: The culverts drain into this area and have created a very severe erosion problem. This results in tree and soil loss. Other species: black birch, white ash, Aster, Virginia knotweed, Japanese honeysuckle, poison ivy, and Japanese barberry. Note: two kingfishers seen--possible courtship behavior.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 189
Acreage: 1.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Jewelweed	<5' & 5-30'			Foot traffic	Auto
Deciduous	Black cherry	>30'			Bike trail	
Therophytes	White ash	<5' & 5-30'				
Level						
Moist						

Comments:

An opening in the forest due to the dying black cherry trees. Jewelweed abounds with white ash and Ailanthus starting to regenerate. Other species: smartweed, cool season grasses, white snakeroot, wild lettuce, poison ivy, Virginia knotweed, spicebush, Rubus, mugwort, wild grape, rose, rough avens, small white aster, Aster, beggar ticks, etc. MC: possible restoration of wet species here.

Unit: 190
Acreage: 1.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Cool season grass	<5'			Pump station	
Hemicryptophytes					Foot traffic	
Level					Vehicle	
Dry						

Comments:

DEP pumping station. Ornamental shrubs, pin oak, lianas on fences and a manicured lawn.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 191
Acreage: 1.43
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	>30' & 5-30'		Stream bed	Foot traffic	Erosion
Deciduous	White ash	<5' & 5-30'		Landfill		Trash
Therophytes	Weeping willow	5'-30'	Yes			Decomposition
Level	Jewelweed	<5'				
Wet	Spicebush	<5' & 5-30'				

Comments:

Wet area with intermittent stream; blocked culvert with sand and gravel deposition. MC: stream appears only during heavy rains (seasonal); many culvert inputs. Wet area is nice and should be kept that way. Other spp.: rose, bittersweet, Phragmites, arrowwood, flowering dogwood, Urtica spp., white snakeroot, smartweed, Ailanthus, alder spp., a patch of mulberry (5' -30'), etc.

Unit: 192
Acreage: 0.76
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	<5' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Ailanthus	All	Yes			Erosion
Lianas	London planetree	>30' & 5-30'	Yes			
Undulating	Bittersweet	<5' & 5-30'	Yes			
Dry						

Comments:

Very disturbed forest mainly composed of hickory species, Ailanthus, and lianas. A variety of trees here which include black locust, white ash, black cherry, black birch, crab apple, purple flowering raspberry. Huge liana pocket present near pump station. MC: try to control vines and keep them from preventing hickory regeneration.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 193
Acreage: 0.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Slope Moist	Bittersweet	<5' & 5-30'	Yes	Sewer	Foot traffic	

Comments:

Small bittersweet unit encompassing some large trees and growing on top of rose, Rubus, and an area of jewelweed that is very moist. Many birds in area. Unit is adjacent to very disturbed forested unit 192. Hickories and one huge Ailanthus tree becoming engulfed. Other species are wineberry, Virginia knotweed, Virginia creeper, poison ivy, black locust, black cherry, and one huge London planetree.

Unit: 194
Acreage: 0.54
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Slope Dry	Red oak Ailanthus Bittersweet Norway maple Poison ivy	All <5' & 5-30' <5' >30' & 5-30' <5' & 5-30'			Foot traffic	Trash Erosion Dumping

Comments:

Border unit along West Alley Road and Cross Island Parkway. Some older oaks in unit (one pin oak). Ground cover predominantly vines. Part of unit floods from nearby unit 191; there is a lot of bare soil and some sand deposition here. Part of unit, near CIP, has mugwort patch, garlic mustard, Cyperus spp., black cherry, sweetgum, Virginia creeper, London planetree, Aster, goldenrod, common ragweed, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 195
Acreage: 1.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes	Landfill	Foot traffic	Trash
Deciduous	Sycamore maple	All	Yes		Vehicle	Dumping
Phanerophytes					E. Control	Erosion
Slope						
Dry						

Comments:

The forest has little or no herbaceous growth. Steep slopes that lead to the highway with two walls built to prevent the soil from eroding. Soil conditions are extremely dry. Other species are three large tulip trees, black birch, sweet cherry, one Eastern hemlock, bittersweet, mugwort, poison ivy, deadly nightshade, honey locust, and ornamental shrubs.

Unit: 196
Acreage: 2.43
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sycamore maple	All	Yes	Landfill	Foot traffic	Erosion
Deciduous	Black birch	<5' & 5-30'		Exotic	Vehicle	Trash
Phanerophytes	Ornamental shrubs	<5'	Yes	Walkway		
Slope	Black locust	<5' & 5-30'	Yes			
Dry	Ailanthus	<5' & 5-30'	Yes			
	Black cherry	All				

Comments:

The slope is extremely steep and most parts are difficult to stand on, let alone walk up. Sycamore maple regeneration is good, and with shrubs planted, there is only minor erosion. Walls have also been placed to prevent a landslide. The planted shrubs are dying out as the maples mature and shade them out. Other species: Ailanthus, poison ivy, Aster, garlic mustard, mugwort, two Austrian pines, Japanese honeysuckle black cherry, bittersweet, white ash, and a good deal of black and pin oak.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 197
Acreage: 31.39
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Exotic	Vehicle Foot traffic	Trash
Hemipterophytes Undulating Dry						

Comments:

Managed lawn between, and adjacent to, the LIE & CIP with a variety of planted trees such as Austrian pine, white pine, black oak, pin oak, hawthorn, American elm, etc. Herbaceous ground cover includes: Queen Anne's lace, Aster, chicory, common milkweed common plantain, English plantain, cow parsnip, etc.

Unit: 198
Acreage: 0.36
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes	Exotic	Vehicle	Trash
Mixed	Black cherry	<5' & 5-30'				
Lianas	Sweetgum	>30' & 5-30'				
Slope Dry						

Comments:

Trees on, and at bottom of, slope made by highway interchanges at Cross Island Parkway and Long Island Expressway. MC: High wildlife value/use, in conjunction with adjacent unit 199. Other species: bittersweet, white ash, Norway maple, white oak, swamp white oak, grey birch, English ivy, hawthorn, pin oak, Eastern red cedar, Japanese honeysuckle, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 199
Acreage: 0.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Fragrant sumac	<5'		Landfill		
Deciduous	Goldenrod	<5'				
Chamaephytes	Rubus	<5'				
Slope						
Dry						

Comments:

MC: to remove the Ailanthus trees so they don't eventually take over the scrub unit. It currently supports many birds and is aesthetically attractive. There are a few pin oak, pin cherry, and Ailanthus trees in unit. Other species: black cherry, smooth sumac, poison ivy, and Eastern red cedar.

Unit: 200
Acreage: 0.14
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Gas station	Vehicle	Scraping Dumping Compaction
Level						
Dry						

Comments:

Small area adjacent to Cross Island Parkway where cars can pull off. Possible old site for gas station/ rest stop. Three huge piles of fill here -- either dumped or old debris. Mugwort and common ragweed beginning to invade.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 201
Acreage: 0.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Level Dry	Bittersweet	<5'	Yes			

Comments:

Small clump of lianas under 5' growing upon ground between unit 202 and sidewalk along West Alley Road. Vines beginning to grow on trees in nearby unit. Quite a bit of mugwort present; also bindweed, and goldenrod here.

Unit: 202
Acreage: 0.50
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Moist	White ash Red maple	All All			Culvert	Dumping Erosion Trash

Comments:

Wet woods next to Phragmites unit 204. White ash and red maple are almost co-dominant. Ground cover is predominantly composed of garlic mustard and poison ivy. Other species: purple flowering raspberry, large black willows, spicebush, flowering dogwood, alder spp, Ailanthus, black birch, black cherry, poison ivy, jewelweed, red oak, mulberry, one London plane tree, and bittersweet.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 203
Acreage: 0.59
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Weeping willow	5'-30'	Yes			
Deciduous	Pin oak	>30' & 5-30'				
Hemicryptophytes	White ash	<5' & 5-30'				
Slope	River birch	<5' & 5-30'				
Dry	Cool season grass	<5'				

Comments:

Thin edge unit of pin oak and weeping willow around large Phragmites unit 204. Sweetgum present as well as other wet site species such as jewelweed and river birch. A lot of scrubby species coming in. Other species: Austrian pine (3), goldenrod, burdock, mugwort, Phragmites, black cherry, shining sumac, rose, Japanese honeysuckle, poison ivy, mulberry, dogbane, common milkweed, Rubus, etc.

Unit: 204
Acreage: 2.65
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	5'-30'		Pond site	Culvert	Dumping
Deciduous	Ailanthus	<5' & 5-30'	Yes	Landfill		Erosion
Geophytes						
Depression						
Wet						

Comments:

Former site of Alley Pond. Unit is wet, fed by culverts at north and south ends. Possibly becoming drier as culverts are blocked. Ailanthus coming on edges of unit. MC: wetland restoration.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 205
Acreage: 0.16
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	<5' & 5-30'	Yes		Culvert	Trash
Deciduous	Black cherry	<5' & 5-30'				
Geophytes	Water willow	<5'				
Slope	Pin oak	5'-30'				
Dry						

Comments:

Black cherry and Ailanthus have invaded embankments surrounding culvert "stream" just off the Cross Island Parkway. Water-willow dominates the understory in most of unit, particularly under black cherry trees; mugwort also prevalent as ground cover species.

A lot of Ailanthus regeneration. Other species are Rubus, goldenrod, 2 tulip trees, flowering dogwood, rose, poison ivy, honey locust, sweetgum, bittersweet, sycamore maple, grey birch, common milkweed, etc. MC: potential wet species propagation.

Unit: 206
Acreage: 0.67
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes		Apiaries	Trash
Deciduous	Ornamental shrub	<5'	Yes		Foot traffic	
Chamaephytes						
Slope						
Dry						

Comments:

MC: A private individual (?) is raising honeybees in this unit. Other than this, there is no real management concern. Other species: hawthorn, Japanese sophora, bittersweet, CSG, rose, Norway maple, poison ivy, Ailanthus, grey birch, mugwort, goldenrod, Japanese honeysuckle, black cherry, black locust, regeneration on edges only.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 207
Acreage: 1.22
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All			Pipes	Compaction
Deciduous	American beech	All			Vehicle	Erosion
Phanerophytes	Sweetgum	All				Auto
Undulating	Tulip tree	>30'				
Dry	Honeysuckle sp.	<5' & 5-30'				

Comments:

MC: Limit and prevent vehicle access to this unit by placing a barricade/berm at the entrance. This unit is the remnant of the natural woods in APP that has been separated via construction on the CIP and LIE. Other species are false Solomon's seal, Aster, wineberry, Virginia knotweed, mapleleaf viburnum, poison ivy, black cherry, ferns, American hornbeam, spicebush, black birch, Ailanthus, serviceberry, red maple, black locust, arrowwood, Rubus and one large white oak.

Unit: 208
Acreage: 0.97
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes		Drain	Trash
Deciduous	American sycamore	All			Foot traffic	Erosion
Phanerophytes	Sweetgum	All			Vehicle	
Level	Red maple	All				
Dry	Rose	<5' & 5-30'	Yes			
	Wild grape	All				

Comments:

MC: limit vehicle access into unit. Most of unit 208 has dry soil conditions except for the patch of jewelweed, red maple and black tupelo. In this area are bare spots with very little vegetative or leaf cover. Ailanthus indicates disturbance, especially during highway construction. Heavy accumulation of rose and lianas along the border. Other species: American beech, black oak, rose, black locust, spicebush, Austrian pine, sycamore maple, black cherry, ferns, black birch, hickory spp., Virginia knotweed, Aster, river birch, porcelain berry, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 209
Acreage: 0.47
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes			
Deciduous	Dogwood	<5' & 5-30'				
Chamaephytes	Thorn orn. Shrub	<5'	Yes			
Slope						

Comments:

Species composition is changing as young black cherries, black birch, sweetgum and black oak move in. Other species: Japanese honeysuckle, aster, apple spp., flowering dogwood, bitternut hickory, poison ivy, and grey birch.

Unit: 210
Acreage: 0.20
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Vehicle	Trash
Deciduous	Red maple	<5' & 5-30'			Foot traffic	
Chamaephytes	Pin oak	>30' & 5-30'			Culvert	
Depression	Red-osier dogwood	<5' & 5-30'				
Moist	Ailanthus	<5' & 5-30'	Yes			

Comments:

MC: First place in the park we have seen red-osier dogwood. Potential site for wetland community. In the unit is a clump of shining sumac, one weeping willow, plums, and fire cherry. Other species: swamp white oak, apple spp., crab apple, Phragmites, goldenrod, poison ivy, rose, smooth sumac, black cherry, highbush blueberry, etc. Culvert present that drains into the Alley.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 211
Acreage: 0.95
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All			Culvert	Erosion
Deciduous	Water oak	>30'	Yes		Vehicle	
Lianas	Red maple	>30' & 5-30'				
Depression	Black cherry	<5' & 5-30'				
Moist	White ash	All				
	Poison ivy	<5' & 5-30'				

Comments:

Culvert with stream running through unit, connects with Alley Creek. High species diversity. Other species include: Rubus, bittersweet, red-osier dogwood, Phragmites, wild grape, silver maple, tulip tree, Ailanthus, pin oak, willow spp., everlasting pea, Japanese honeysuckle, crab apple, goldenrod, etc. MC: another good wet site to develop.

Unit: 212
Acreage: 2.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	>30'		Full-crown	Campfire	Dumping
Deciduous	Red oak	>30'		Great tree		
Phanerophytes	Norway maple	<5' & 5-30'	Yes			
Slope	Sycamore maple	<5'	Yes			
Dry	Spicebush	<5'				

Comments:

Closed forest of very large tulip trees and red oaks that slopes toward depression with lianas (unit 213) from East Hampton Blvd. MC: largest tulip tree in LI is present here with old protective fence around it. Part of unit is moist and contains jewelweed and spicebush. Two large gullies with severe erosion problems, lots of root exposure. Mostly maple regeneration occurring. Other species: black birch, Aster, rose, enchanter's nightshade, ferns, poison ivy, false Solomon's seal, Virginia creeper, flowering dogwood, American beech, Sassafras, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 213
Acreage: 0.47
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes			Trash
Deciduous	Wild grape	<5' & 5-30'				
Lianas	Jewelweed	<5'				
Depression	Porcelain berry	<5' & 5-30'	Yes			
Moist						

Comments:

Huge lianaland just off LIE exit for Queensborough Community College. Most of vines are in a depression, but have grown up a slope formed by fill for the highway. Other vines include bindweed, Japanese honeysuckle, poison ivy, Virginia creeper. Some trees are black locust, sweetgum, tulip tree, Japanese Sophora, Ailanthus, and red oak. Other species include Rubus, Virginia knotweed, wineberry, rose, etc. MC: good wildlife spot; control liana growth.

Unit: 214
Acreage: 2.01
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes		Vehicle	Dumping
Deciduous	Wild grape	All				Trash
Lianas	Japanese honeysuckle	<5' & 5-30'	Yes			Auto
Slope	Rose	<5'	Yes			
Dry						

Comments:

Opening where Ailanthus and wild grape have invaded. Most of unit is closed forest, except area with grape and knotweed. Lots of rose in understory. Quite a bit of dumping here. Other trees are black birch, Japanese Sophora, 3 Eastern hemlock, sweet cherry, red oak, white ash, hickory spp., Sycamore maple, etc. Two abandoned autos in unit. Other species: rose, ferns, Virginia knotweed, tulip tree, Catalpa, poison ivy, enchanter's nightshade, jewelweed, garlic mustard, rough avens, spicebush, Aster, Virginia creeper, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 215
Acreage: 2.86
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	All			Park bench	Fire
Deciduous	Black birch	>30'				
Phanerophytes	Red maple	All				
Slope	Black oak	>30' & 5-30'				
Dry	Mapleleaf viburnum	<5'				

Comments:

A large pocket of bench and tulip that goes from the CIP and almost up to East Hampton Blvd. There are quite a few fallen trees and signs of small fires in the past on the decaying logs. Regeneration is good, but numerous areas of just leaf litter can be seen. A lot of residential dumping (i.e., clippings, prunings, etc.). Other species: beechdrops, Ailanthus, spicebush, poison ivy, Japanese honeysuckle, Aster, mapleleaf viburnum, wild grape, flowering dogwood, sycamore maple, Sassafras, white ash, black cherry, true Solomon's seal, Rubus, etc.

Unit: 216
Acreage: 13.67
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Full-crown	Foot traffic	Organic
Deciduous	Tulip tree	All		Park bench		Erosion
Phanerophytes	Black birch	<5' & 5-30'		Tree well		Trash
Slope	Ailanthus	<5' & 5-30'	Yes			
Dry	Black cherry	All				
	Black oak	>30'				

Comments:

Closed forest of large, full-crown red oaks with a lot of intermediate oak regeneration that is doing very well. Patches of invasive, pioneering species continuous throughout unit. (Those species listed above). Ground cover mostly poison ivy and bittersweet. MC: oak regeneration and also, the bridge on the tulip tree trail near the CIP needs immediate repair. Other species include Aster, false Solomon's seal, lily spp., goldenrod, hickory spp., American beech, flowering dogwood, Asiatic dayflower, Norway and sycamore maple, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 217
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	<5' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Bittersweet	<5' & 5-30'	Yes			Trash
Lianas	Mugwort	<5'	Yes			Encroach
Level	Ailanthus	<5' & 5-30'	Yes			
Dry	Rose	<5' & 5-30'	Yes			

Comments:

Edge unit of very diverse species. Technically, a woodland with a very dense liana-scrub-herbaceous ground cover. Trees include sycamore maple and silver maple. Lianas growing over many trees--emergent vineland. MC: a lot of dumping; unit is on fill; possible encroachment from nearby homes. Other species: smooth sumac, Japanese honeysuckle, smartweed, rose, poison ivy, arrowwood, great ragweed, some red oak regeneration, crab apple, goldenrod, etc.

Unit: 218
Acreage: 0.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes	Landfill	Foot traffic	Erosion
Deciduous						Dumping
Phanerophytes						Trash
Slope						
Dry						

Comments:

Closed forest of Ailanthus that borders 232rd St. MC: severe erosion upon slope that has washed onto Tulip Trail in one spot. A lot of lawn clippings and other gardening debris here, as well as dumping and trash. Three large butternuts here and a fair amount of black cherry. Slope produced by fill, formed when houses were built. Wet species: Virginia knotweed, Asiatic dayflower - along trail where water collects. Others include bittersweet, mugwort, black locust, Japanese honeysuckle, sweet cicely, poison ivy, crab apple, rose, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 219
Acreage: 0.51
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'				
Deciduous	Black cherry	5'-30'				
Lianas	Black birch	5'-30'				
Slope	Sycamore maple	<5' & 5-30'	Yes			
Dry	Bittersweet	<5' & 5-30'	Yes			
	Poison ivy	<5'				

Comments:

Sloping closed forest of older red oak, and other trees with a lot of sycamore maple regeneration. Unit is between Tulip Tree Trail and Cross Island Parkway. Ground cover dominated by lianas mentioned above which are beginning to grow into the tree crowns. Other species: garlic mustard, Rubus, rose, Japanese honeysuckle, Ailanthus, Bitternut hickory (<5), Aster, etc.

Unit: 220
Acreage: 0.36
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	<5' & 5-30'				
Deciduous						
Phanerophytes						
Slope						
Dry						

Comments:

Unit primarily, if not exclusively, black birch. Area apparently on fill with berms towards the street. Mostly leaf litter on ground. Other species include red oak, goldenrod, Aster, and black locust.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 221
Acreage: 0.49
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All			Foot traffic	Trash
Deciduous	Tulip tree	>30' & 5-30'				Erosion
Phanerophytes	Red oak	>30'				Dumping
Depression	Black birch	<5' & 5-30'				
Dry	Black cherry	<5' & 5-30'				

Comments:

MC: Nice site to propagate wet species, but too much erosion, trash, and dumping. Small depression just off Springfield Blvd. with quite a bit of red maple. Large oaks and tulips growing upon slopes ground cover is predominantly leaf litter. Other species: Wisteria, poison ivy, Aster, true Solomon's seal, black cherry, London planetree, Norway maple, goldenrod, American beech, etc.

Unit: 222
Acreage: 0.98
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'			Foot traffic	
Deciduous	Black cherry	>30' & 5-30'				
Lianas	Hickory spp.	>30' & 5-30'				
Level	Poison ivy	<5'				
Dry						

Comments:

MC: little or no regeneration. Closed forest of oak and cherry with some hickory present and poison ivy dominating the ground cover. Unit adjacent to Tulip Tree Trail. Other species are rose, carrion flower, large tulip tree, goldenrod, Aster, bittersweet, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 223
Acreage: 1.11
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Wisteria	<5' & 5-30'	Yes	Exotic	Foot traffic	Fire
Deciduous	Red oak	>30' & 5-30'		Rock ring		
Lianas	Ailanthus	<5' & 5-30'	Yes			
Slope						
Dry						

Comments:

MC: no oak regeneration because of lianas, but a great site for it. Most of unit has Wisteria growing upon everything, but a sizeable portion has large red oaks with Wisteria blanketing ground. Ailanthus beginning to invade. Other species: white ash, black birch, wineberry, Asiatic dayflower, and hickory spp.

Unit: 224
Acreage: 1.19
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Erosion
Deciduous	Black locust	>30' & 5-30'	Yes		Loitering	Compaction
Phanerophytes	Sycamore maple	All	Yes		Campfire	Vandalism
Level	Rose	<5'	Yes			
Dry						

Comments:

Black cherry-black locust closed forest with a blanket understory of sycamore maple regeneration. No locust regeneration, few cherries <5', few sycamore maple >30'. Understory easy to walk though, but in one spot there's quite a bit of rose. Huge gully borders unit. One area where the soil is compacted and gatherings take place. Other species: Virginia knotweed, red maple, spicebush, Rubus, goldenrod, poison ivy, hickory spp. with regeneration, some large tulip trees, etc. MC: Sycamore maple regeneration rampant!!!

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 225
Acreage: 2.30
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	All	Yes	Culvert	Foot traffic	Dumping
Deciduous	Black cherry	>30' & 5-30'		Exotic		Berm
Lianas	Bittersweet	All	Yes			
Slope	Rose	<5' & 5-30'	Yes			
Dry	Wisteria	All	Yes			

Comments:

Emergent vineland. Black locust/black cherry closed forest with lianas and a good amount of rose in understory. Tulip Tree Trail bisects unit. Area adjacent to playground. Dumping and fill when berm was made, possibly when houses were put in. MC: good wildlife potential. Openings in unit. Some spots are quite scrubby and difficult to walk through. Other species: spicebush, Sassafras, white poplar (<5'), mugwort, great ragweed, Virginia knotweed, shining sumac, Japanese Sophora, red oak, tulip tree, Rubus, sweetgum, sycamore maple, etc.

Unit: 226
Acreage: 0.64
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sycamore maple	All	Yes	Landfill	Foot traffic	Dumping
Deciduous						Trash
Phanerophytes						Organic
Slope						
Dry						

Comments:

A unit entirely dominated by sycamore maple. MC: dumping in unit heavy; residential dumping is also evident. The slopes along the unit's edge were created during the building of the nearby homes. Other species: rose, bittersweet, Japanese honeysuckle, Ailanthus, pokeweed, mugwort, smartweed, Asiatic dayflower, Aster, black cherry, black locust, bindweed, and lamb's quarters.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 227
Acreage: 1.17
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	London planetree	>30' & 5-30'	Yes	Road		Dumping
Deciduous	Phragmites	<5'				Trash
Geophytes	Jewelweed	<5'				
Level						
Wet						

Comments:

Very mixed woodland unit of the above species. No regeneration. Blanket of Phragmites and good amount of jewelweed. Pockets of dry soil where trees and mugwort are. Surface water near CIP. Fallen trees, debris present. Old path here. Area at bottom of fairly steep slope. Other species: tulip tree, bittersweet, ferns, rose, Virginia knotweed, mulberry, red maple, Rubus, aster, white ash (<5'), poison ivy, black cherry, red oak, etc. MC: could be nice "wetland" area.

Unit: 228
Acreage: 1.31
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Erosion
Deciduous						Vandalism
Phanerophytes						Trash
Slope						
Dry						

Comments:

MC: A good site for red oak, which are tall and thin here. A variety of regenerating species - oak spp., white ash, hickory spp., black birch, black cherry, sycamore maple. Trees not regenerating: American Beech and tulip tree. A huge gully with an old abandoned car, plus a lot of vandalism, tree cuttings and swings. Wisteria invading from nearby unit 223. Ground cover predominantly poison ivy, plus CSG, Aster, Rubus, goldenrod, rose, true Solomon's seal Japanese honeysuckle, bittersweet, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 229
Acreage: 0.94
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Trash
Deciduous	Bittersweet	All	Yes			
Lianas	White ash	All				
Slope	Tulip tree	>30' & 5-30'				
Dry	Black birch	All				
	Poison ivy	All				

Comments:

Closed forest primarily of red oak. Bittersweet is beginning to grow into crowns of many of the trees, specifically near edge of unit 233. A few openings caused by blowdowns where lianas and some rose have invaded. Some species are planted, especially near unit 223. MC: Oak regeneration not as good as it could be, due to vines. Other lianas are Japanese honeysuckle, porcelain berry, wild grape, and Wisteria. Other species: witch Hazel, hickory spp., some large American beeches, red maple, Aster, Norway maple, 2 black willows (>30'), etc.

Unit: 230
Acreage: 0.78
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Exotic	Foot traffic	
Deciduous	Tulip tree	>30'				
Lianas	Witch hazel	<5' & 5-30'				
Slope						
Dry						

Comments:

MC: Lianas are more prolific than Phanerophytes, but not yet growing into the trees. Closed forest of above species and dying grey birch and a variety of other trees such as black birch, black cherry, and Sassafras. Ground cover is a blanket of bittersweet and some poison ivy. Other species; Rubus, red maple, planted hawthorn and Austrian pine, goldenrod, Aster, Japanese honeysuckle, rose, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 231
Acreage: 0.51
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes			
Deciduous	Rubus	<5'				
Lianas	Rose	<5'	Yes			
Slope	Wisteria	<5' & 5-30'	Yes			
Dry						

Comments:

What was a woodland is now a lianaland. The lianas are growing over shrubs and shading them out, even red oaks are overtopped by lianas there is an opening in the forest where there are few trees, some of which are regenerating (i.e., bitternut hickory, Ailanthus). Other species: black locust, pokeweed, Virginia knotweed, mugwort, goldenrod, Asiatic dayflower, wineberry, porcelain berry, sycamore maple, and Virginia creeper.

Unit: 232
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Staghorn sumac	<5 & 5-30'				Trash
Deciduous	Smooth Sumac	<5'				
Lianas	Bittersweet	<5 & 5-30'	Yes			
Slope						
Dry						

Comments:

A scrubby unit that is dominated by staghorn and smooth sumac, with bittersweet a very close third. There are a few black oaks and black cherries. Mugwort is quite abundant. The sumac and bittersweet are great for wild life and should be encourage. Other species: goldenrod, poison ivy, and wineberry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 233
Acreage: 0.85
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Landfill	Vehicle access	Trash
Hemicryptophytes						
Level						
Dry						

Comments:

MC: High wildlife usage area by nesting pheasants (1 male, 3 females) : pheasants constantly sited here. Area next to Northern Boulevard entrance ramp as you get on the Cross Island Parkway. There is one black oak along with hawkweed, sedge, knapweed, yarrow, Queen Anne's lace, little bluestem, and Ailanthus (regenerating), and encroaching along the edge.

Unit: 234
Acreage: 0.84
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Wetland	Red maple	All			Foot traffic	Dumping
Deciduous	Black willow	>30' & 5-30'				Trash
Geophytes	A. Sycamore	>30' & 5-30'				Sewer line
Depression	Phragmites	5-30' &<5'				
Moist	Jewelweed	5-30' &<5'				
	Bittersweet	5-30' &<5'	Yes			

Comments:

The community structure is changing as this wet area slowly dries and the drier upland species move in. Bittersweet is especially invasive along edges. MC: pockets of water and along with them comes the odor of sewage. The wetland drains into a culvert which passes under the CIP and drains into Alley Creek. Sewage leaks into and out of the wetland. Other species: arrowwood, silver maple, white ash, pokeweed, Aster, moss, horsetail, poison ivy, Japanese honeysuckle, E. cottonwood, black oak, mugwort, rose, black cherry , etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 235
Acreage: 0.79
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black willow	>30' & 5-30'				Trash
Deciduous	E. Cottonwood	All				Dumping
Chamaephytes	A. Sycamore	>30' & 5-30'				
Level	Rose	<5 & 5-30'	Yes			
Dry						

Comments:

Other species: large patch of shining sumac, poison Ivy, Virginia creeper, smartweed, mugwort, Japanese knotweed, crab apple, catbrier, white ash, sweetgum, Phragmites, pussy willow. Strip bordering soft ball field and upland of the wetland in 232.

MC: Some sewage leaks in this area.

Unit: 236
Acreage: 0.22
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Silver maple	All			Sewer line	Sewer leak
Deciduous	Pin oak	<5 & 5-30'				
Phanerophytes						
Level						
Surface water						

Comments:

It was hard to determine if there was any regeneration and what the dominant vegetation < 15' was. MC: Must report leaking sewer cap to EPA of NYC and make sure this doesn't happen on a regular basis. This is the source that flows eventually into Alley Creek and Little Neck Bay. Other species are Phragmites, sweetgum, poison ivy, crab apple, moss, and rose.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 237
Acreage: 0.28
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Silver maple	All				Dumping
Deciduous	Hickory spp.	All				Trash
Lianas	Black locust	All	Yes			
Slope						
Dry						

Comments:

Other species: black cherry, poison ivy, bittersweet, Virginia creeper, Catalpa, black oak, mulberry, Japanese honeysuckle, apple spp., and Sassafras.

Unit: 238
Acreage: 1.13
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes		Foot traffic	Trash
Deciduous	Poison ivy	<5' & 5-30'				Dumping
Lianas						
Level						
Dry						

Comments:

Other species: silver maple, crab apple, black oak, red maple, Norway maple.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 239
Acreage: 0.60
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	All	Yes	Exotic		Trash
Deciduous	Black oak	All				Dumping
Phanerophytes	Black cherry	>30' & 5-30'				Fire
Slope	Sugar maple	All				
Dry	Bittersweet	<5' & 5-30'	Yes			
	Poison ivy	<5' & 5-30'				

Comments:

Other species: black locust, American hornbeam, bitternut hickory, Japanese honeysuckle, crab apple, flowering dogwood, American beech.

Unit: 240
Acreage: 1.42
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes		Foot traffic	Dumping
Deciduous	Black locust	5'-30'	Yes		Bird coop	Auto
Phanerophytes	Black cherry	>30' & 5-30'			Pump station	Trash
Slope	Japanese honeysuckle	<5'	Yes			
Dry						

Comments:

Other species: lianas, poison ivy, Austrian pine, red oak, 2 drying black birch, Asiatic dayflower, smartweed, mugwort, hickory spp., Virginia knotweed, hawthorn, Norway maple, rose, chives. Sloping closed forest bordered by access road to LIE. A pheasant coop is adjacent to neighboring houses. Unit composed mainly of Ailanthus with Japanese honeysuckle covering most of the ground. Two large oaks have split and are down on the ground.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 241
Acreage: 0.80
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes	Pipeline	Foot traffic	Erosion
Deciduous	Black birch	>30'				
Phanerophytes	Hickory spp.	>30'				
Slope	Spicebush	<5'				
Dry						

Comments:

Ground cover composed of aster and Japanese honeysuckle. Lower slope with erosion problems bounded by road. A few large white ash, black oak, and tulip trees. Small stand of sassafras by road. Enough spicebush to mention, but not as significant as other species. Other spp: black cherry, royal Paulownia, flowering dogwood, liana. Management problems due to erosion, also large numbers of Ailanthus springing up and little regeneration of native species.

Unit: 242
Acreage: 1.55
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'			Foot traffic	Erosion
Deciduous	White ash	>30'				Dumping
Phanerophytes	Tulip tree	>30'				Organic
Slope	Black birch	All				
Dry	American beech	All				
	Norway maple	5-30'&<5'	Yes			

Comments:

Other species: chives, lianas, Aster, Sassafras. Closed forest slope bordered by residences and steeply dropping slope. Areas of dumping by homes including piles of concrete and garden wastes. One large depression in unit. Ground cover primarily aster. Difficult to pick dominant species of tree due to the highly diversified mix. Norway maple concentrated by residences. Large stack of firewood by homes belonging to owner of pheasant coop in unit 240.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 243
Acreage: 4.71
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	>30'			Foot traffic	Erosion
Deciduous	Red oak	All				Dumping
Phanerophytes	Black oak	All				Trash
Slope	Norway maple	<5' & 5-30'	Yes			
Dry	Hickory spp.	All				

Comments:

A very large area with large tulip trees and mature oaks. A lot of Norway maple regeneration, little oak, and less tulip. A lot of leaf litter. Dumping along 240th street (access through gates and holes in fence). Other trees: Black Cherry, Ailanthus, flowering dogwood, American basswood. Other species: Poison Ivy, Aster, patches of wild grape, spicebush, Japanese honeysuckle, bittersweet, etc. MC: Want to see more tulip tree regeneration, and there is also severe erosion, including gullies.

Unit: 244
Acreage: 0.50
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Hole
Deciduous	American beech	>30' & 5-30'				
Phanerophytes	Black birch	>30' & 5-30'				
Slope	Red maple	5'-30'				
Dry						

Comments:

Patch of young regenerating trees in forest adjacent to service road in the alley. Black Birch regenerating at bottom of slope, American beech at top -- almost equal amounts of each. Not much ground cover, some CSG and aster, but mostly leaf litter. Some tulip tree regeneration. One large black oak in unit. Man-made hole present. Other species: Virginia Creeper, Eastern Cottonwood, black cherry, rose, Japanese honeysuckle, flowering dogwood, arrowwood, and mugwort.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 245
Acreage: 1.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'				Trash
Deciduous	Ailanthus	<5' & 5-30'	Yes			
Phanerophytes	American beech	>30' & 5-30'				
Slope						
Dry						

Comments:

Disturbed strip of closed forest between the alley and residential area. Ailanthus, mulberry, and black cherry growing near the forest edge-highest variety of species here. Droppings found in unit, may be raccoon or opossum. Mostly Ailanthus regeneration, some beech and no oak. A lot of Japanese knotweed and rose near old field (unit 263). Sycamore maple regeneration near houses. Other species: 2 chestnut oaks, tulip trees, black birch, and hickory spp. MC: Severe erosion and dumping problems.

Unit: 246
Acreage: 1.06
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	<5' & 5-30'	Yes			Dumping Erosion
Deciduous						
Lianas						
Slope						
Dry						

Comments:

MC: dumping, erosion, and invasive lianas. Very disturbed unit of Ailanthus with a diversity of trees species: red oak, hickory spp, American beech, red maple, honey locust, black cherry, and black locust. A lot of lianas creating a vineland that is difficult to walk through. Other species : Japanese barberry, money tree, black birch, poison ivy, Virginia creeper, large chestnut oaks, crab apple, weeping willow, rose, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 247
Acreage: 0.21
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Weeping willow	All	Yes			Dumping
Deciduous	Rose	<5' & 5-30'	Yes			
Chamaephytes						
Slope						
Dry						

Comments:

Small stand of weeping willow with rose in understory. One spot where willow is regenerating nicely. Oaks are basically near/ on residential property. Ailanthus and sycamore maple are growing where-ever they can. Very disturbed area: terrain undulates were there was previous dumping. Rose hides the disturbance well. Other trees include American beech, black oak, and red oak. Other species: wine berry, English ivy, poison ivy, mugwort, wild grape, etc.

Unit: 248
Acreage: 0.71
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sycamore maple	All	Yes			Dumping
Deciduous	Red oak	>30' & 5-30'				Trash
Phanerophytes						
Level						
Dry						

Comments:

Another disturbed strip of closed forest, this one reaches to northernmost corner. Primarily sycamore maple with patches of American elm, Sassafras, American beech, and a good amount of black cherry. Although not as much oak, there are rather large ones and it's regenerating nicely in one area. Unit ends in a mugwort field that is included in unit. Other species: rose, 1 weeping willow, mugwort, wineberry, aster, poison ivy, American hornbeam, crab apple, London planetree, wild grape, bittersweet, black willow, Japanese knotweed, privet, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 249
Acreage: 3.19
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'		Hedgerow	Foot traffic	Dumping
Deciduous	Crab apple	<5' & 5-30'		Exotic		Trash
Hemicryptophytes	Black cherry	<5' & 5-30'				
Slope	Sweetgum	>30' & 5-30'				
Dry	Pin oak	>30' & 5-30'				

Comments:

Unit is a landscaped slope at southernmost end of the alley. Exotics planted to provide buffer between park and CIP entrance ramp. Other species: hawthorn, bittersweet, smooth sumac, pine spp., goldenrod, mugwort, poison ivy, white ash, prunus spp., red-osier dogwood, pussy willow, dogbane, tulip tree. Great species diversity.

Unit: 250
Acreage: 1.74
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	London planetree	>30' & 5-30'	Yes	Landfill	Vehicle access	Dumping
Deciduous	Ailanthus	All	Yes	Fence	Foot traffic	Trash
Geophytes	Black willow	All				
Depression	Mulberry spp.	5'-30'				
Surface water	Gray birch	<5' & 5-30'				
	Phragmites	<5' & 5-30'				

Comments:

MC: A nice wet area: great educational spot. A small oasis in the southern end of the Phragmites dominated field. The unit has steep slopes covered with Ailanthus, Phragmites, and mugwort that lead to a water-filled depression. The species composition is changing as the eastern cottonwood and London planetree seem to be flooded out. This unit is unique, with areas of natural and disturbed site species. Other spp: Cattails, jewelweed, bur marigold, Japanese honeysuckle, poison ivy, bittersweet, duckweed, wineberry, red maple, cyperus spp...

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 251
Acreage: 43.77
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'			Foot traffic	Dumping
Geophytes						
Level						
Dry						

Comments:

Huge unit of Phragmites which surrounds the tidal channel in Alley Pond Park. Soil composition varies from wet to dry, but overall it is dry. Many other species are mixed in with the Phragmites at various times; these include mugwort, goldenrod, porcelain berry, climbing false buckwheat, Rubus, deadly night shade, common milkweed, Japanese knotweed, jewelweed, smartweed, path rush, bindweed, and trees such as mulberry, weeping willow, ailanthus, Eastern cottonwood, black locust, Royal Paulownia, etc. Stand of alder spp. Near unit 263.

Unit: 252
Acreage: 0.24
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Landfill	Foot traffic	Compaction Erosion
Hemicryptophytes						
Level						
Dry						

Comments:

A herbaceous community made up of CSG with Phragmites invading. The unit has shrunk considerably in area since the aerial photo was taken in march of 1984. Other species: Phragmites, English Plantain, mugwort, goldenrod, and switchgrass.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 253
Acreage: 1.50
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill	Foot traffic	Compaction
Deciduous	Cool season grass	<5'				Erosion
Hemicryptophytes	Common ragweed	<5'				
Slope						
Dry						

Comments:

A field with mixed grasses and herbaceous plants. The growth is low, possibly due to soil compaction. Other species: Aster, common plantain, Queen Anne's lace, sweet white clover, bush clover, goldenrod, Phragmites, and English plantain.

Unit: 254
Acreage: 0.24
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic plant	Phragmites	5'-30' & <5'			Foot traffic	
	Black willow	>30' & 5-30'				
Geophytes						
Depression						
Surface water						

Comments:

Other species: silver maple, jewelweed, daisy, mugwort, eastern cottonwood, and other aquatic plants. Stand of Phragmites with small spring and subsequent stream, leads into tidal channel. MC because spring and stream are clean and should remain so.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 255
Acreage: 3.55
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'		Landfill	Foot traffic	
	Sweet white clover	<5'		Foundation		
Hemicryptophytes	Goldenrod	<5'				
Slope	Phragmites	5'-30' & <5'				
Dry						

Comments:

Herbaceous area where CSG dominates between the Phragmites and the mugwort / clover field. The Douglaston woods area drains through this unit creating small drainage paths. Species listed above are mixed in, transitional. A lot of rabbit pellets; also a Great blue heron flushed. Other species; Queen Anne's lace, mugwort, aster, new England aster, groundsel tree, marsh elder, common ragweed, switchgrass, patches of Rubus, English plantain, bayberry, cinquefoil, black cherry, elderberry, etc.

Unit: 256
Acreage: 0.81
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill	Foot traffic	Erosion
Deciduous	Phragmites	<5'			Dirt bikes	Compaction
Hemicryptophytes	Black willow	>30' & 5-30'				
Knoll						
Dry						

Comments:

Knoll created by landfill. Dirt bikes pass through. Phragmites on edge of slope. Additional species: Queen Anne's lace, clover, London plane tree seedling, aster, Virginia creeper, goldenrod.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 257
Acreage: 0.28
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	5'-30' & <5'			Foot traffic	Compaction
Geophytes	Goldenrod	<5'			Bike/ ATV	
Level						
Dry						

Comments:

Phragmites and goldenrod co-dominate this herbaceous area which borders both sides of the nature trail. MC: Very nice diversity here except for the Phragmites. Other species are little bluestem, New England aster, poison ivy, common ragweed, switchgrass, some eastern cottonwoods (5-30' & <5'), small white aster, dogbane etc.

Unit: 258
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	5'-30' & <5'	Yes			Trash
Deciduous	Bittersweet	<5'	Yes			Dumping
Lianas						
Slope						
Dry						

Comments:

Small unit of Ailanthus with bittersweet growing all around it's edges. Ground cover is basically leaf litter. It will be interesting to see who wins out here. Very small amount of other spp., such as goldenrod, Virginia creeper, and Phragmites. Very little Ailanthus regeneration.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 259
Acreage: 0.30
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'				
	Prunus spp.	<5' & 5-30'				
Phanerophytes	Smooth sumac	<5'				
Slope	Common ragweed	<5'				
Dry	Little bluestem	<5'				
	Cool season grass	<5'				

Comments:

Old field unit with a fair amount of woody species-some natural invasion, some planted species. MC: species diversity. Unit borders the CIP. Lianas growing over some of the trees. Other species: Switchgrass, New England aster, Queen Anne's lace, dogbane, bittersweet, Aster, evening primrose, wild lettuce, Phragmites, etc.

Unit: 260
Acreage: 0.26
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes		Foot traffic	Compaction
Deciduous	Goldenrod	<5'			Bike/ ATV	
Hemicryptophytes	Cool season grass	<5'				
Level						
Dry						

Comments:

Nature trail cutting through small clump of black locust closed forest. Understory of goldenrod and mixed species. One large cottonwood tree. Pokeweed, path rush, climbing false buckwheat, urtica species, bittersweet, Phragmites (one clump) and yarrow.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 261
Acreage: 0.45
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes	Landfill	Foot traffic	Compaction
Deciduous	Ailanthus	<5' & 5-30'	Yes			Trash
Lianas	Box Elder	<5' & 5-30'				
Slope	Bittersweet	<5'	Yes			
Dry						

Comments:

Long strip dominated by black locust between Cross Island Parkway and foot trail. Understory varied: some sections dominated by liana (bittersweet, Japanese honeysuckle). Mugwort borders along the road with a lot of Ailanthus; Phragmites borders other side. Other species: dogbane, climbing false buckwheat, thistle, white ash, white snakeroot, Prunus spp., poison ivy, deadly nightshade.

Unit: 262
Acreage: 9.82
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes		Foot traffic	Compaction
	Sweet white clover	<5'	Yes			
Hemicryptophytes	Cool season grass	<5'				
Level						
Dry						

Comments:

Large meadow of clover and mugwort, either of which dominates, depending upon the season. Cool season grasses form a blanket on the ground. Other species: Phragmites, Aster, goldenrod, rose, Queen Anne's lace, common ragweed. Scattered trees include Eastern Cottonwood, weeping Willow, and black locust. MC: potential site for active meadow management.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 263
Acreage: 1.85
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes		Foot traffic	
	Black cherry	<5' & 5-30'				
Phanerophytes	Rose	<5'	Yes			
Level	Goldenrod	<5'				
Dry	Virginia creeper	<5'				

Comments:

Old field unit between forest edge and large mugwort unit 262. A lot of oak and cherry regeneration; some crab apple, rose and lianas becoming quite abundant. Unit varies in vegetation <15'. Other species: bayberry, bush clover, pin oak, black locust, dogbane. Japanese knotweed, Japanese honeysuckle, Ailanthus, clover, poison ivy, shining sumac, Phragmites, Aster, tulip tree, etc. MC: great wild life habitat.

Unit: 264
Acreage: 0.14
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Rose	<5' & 5-30'	Yes	Exotic	Garden	
Deciduous	Japanese knotweed	<5' & 5-30'	Yes			
Chamaephytes	Japanese honeysuckle	<5' & 5-30'	Yes			
Slope	Virginia creeper	<5' & 5-30'				
Dry						

Comments:

Scrubby unit downslope from houses toward the Alley service road. Some oak regeneration. One large eastern cottonwood and one snag present. Active garden at top of slope near house. Other species: Ailanthus, mugwort, goldenrod, Phragmites, and aster.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 265
Acreage: 0.15
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Ailanthus	<5' & 5-30'	Yes			

Comments:

Pure stand of Ailanthus growing atop landfill slope adjacent to Cross Island Parkway. Ground cover is predominantly white snakeroot and urtica species. Also present are Rubus, Japanese honeysuckle, poison ivy, Virginia creeper, rose, two black cherry trees, mugwort, and bittersweet which is beginning to grow up trees.

Unit: 266
Acreage: 0.21
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Little bluestem	<5'			Foot traffic	
	Goldenrod	<5'				
Hemicryptophytes	Bayberry	<5'				
Level	Tick trefoil	<5'				
Dry						

Comments:

Small herbaceous unit of above species with clumps of bayberry within and near edges. Area bordered by nature trail. MC: Very nice meadow area. Other species: Aster, lichens, moss, switchgrass, Queen Anne's lace. Unit is drier than most of the other meadow areas in Alley pond.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 267
Acreage: 0.18
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Landfill		
Deciduous	Bayberry	<5' & 5-30'				
Lianas	Rubus	<5'				
Level	Shining sumac	<5' & 5-30'				
Dry	Phragmites	<5' & 5-30'				

Comments:

Primarily a vineland, however, there are numerous clumps of bayberry and Rubus. I believe the vines are spreading throughout the unit. Other species: Porcelain berry, common mullein, goldenrod, London planetree, box elder, thistle, evening primrose, little bluestem, and vigorously regenerating shining sumac.

Unit: 268
Acreage: 0.11
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black willow	5'-30'			Storm drain	Dumping
Deciduous	London planetree	>30'	Yes			Pollution
Lianas	Bittersweet	<5' & 5-30'	Yes			Erosion
Depression	Phragmites	<5' & 5-30'				
Surface water						

Comments:

The water pollution entering the tidal creek and its point source. This seems to be a drainage area for the highway as indicated by the erosion. A culvert is present and the water is flowing slightly. There is a storm drain on the Cross Island line with this depression. Other species: elderberry, sensitive fern, wild grape, deadly nightshade, goldenrod, poison Ivy, grey birch, smooth sumac, Ailanthus, black cherry, black birch, moss.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 269
Acreage: 0.12
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Polygonum sp.	<5'				
Geophytes						
Level						
Moist						

Comments:

Patch of polygonum sp. Adjacent to one of the freshwater ponds in the alley. MC: Nice wildlife spot; noted 7-8 open terrapin eggs dug up lying close to pond. Ground cover is matted down Polygonum sp. Some elderberry regenerating; Phragmites in unit.

Unit: 270
Acreage: 0.40
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cattails, common	<5' & 5-30'				
	Phragmites	<5' & 5-30'				
Geophytes						
Depression						
Surface water						

Comments:

Freshwater pond in APEC wetlands with the above aquatic plants growing in it. Pond is filling in with cattails. MC: because of its uniqueness. Duckweed growing in one of its runoff channels. No wildlife sighted at entitation time, although area is sheltered and less accessible than the other freshwater pond.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 271
Acreage: 0.77
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Rubus	<5'			Foot traffic	
Deciduous	Elderberry	<5' & 5-30'				
Chamaephytes	Polygonum sp.	<5' & 5-30'				
Level	Mugwort	<5'	Yes			
Moist	Phragmites					

Comments:

Large area in the Phragmites -- a scrubland of Rubus and elderberry with patches of polygonum, Phragmites and mugwort. Area extends to edge of freshwater pond (unit250). MC: A lot of birds present - Nice wildlife habitat. Elderberry is scattered and regenerating; Rubus is in patches. Other species include wild lettuce, Aster, goldenrod, deadly nightshade, cool season grasses, etc.

Unit: 272
Acreage: 1.26
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Landfill	Nature path	Erosion
Deciduous	Ailanthus	<5' & 5-30'	Yes		Storm drain	Dumping
Lianas	Bittersweet	<5' & 5-30'	Yes			Trash
Undulating	Black cherry	All				
Dry						

Comments:

Unit adjacent to cip, therefore, lots of trash, dumping and fill when road was put in. The ground cover is dominated by aster, although it is mostly leaf litter. Erosion (gully) at drain outlet. One black cherry >30' ; oak is regenerating nicely, but is beginning to be choked out. The Ailanthus is regenerating well. MC: small emergent vineland, the bittersweet will definitely take over in 2 years. Other species: aster, mugwort, American elm, eastern cottonwood, goldenrod, black locust, bitternut hickory (5-30' & <5').

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 273
Acreage: 2.24
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Little bluestem	<5'			Landfill	
	Goldenrod	<5'				
Hemicryptophytes Level	Cool season grass	<5'				
	Japanese honeysuckle	<5'	Yes			
Dry	Tick trefoil	<5'				
	Rubus	<5'				

Comments:

MC: manage for a field. This field creates a great viewing area for a sizable area of the marsh behind APEC. The field is diverse and is dotted with bayberry, crab apple, smooth sumac, eastern cottonwood, black willow, and Ailanthus. Other terrestrial herbaceous species: vetch, rose, porcelain berry, bittersweet, mugwort, red maple, red oak seedlings, etc.

Unit: 274
Acreage: 1.80
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Rubus	<5'			Landfill	
Deciduous	Cl false buckwheat	5-30'&<5'				
Lianas						
Level						
Dry						

Comments:

A relatively small area compared to the Phragmites, which surrounds it. Impossible to walk through, but it probably provides excellent cover for wildlife. The Rubus and climbing false buckwheat are growing on top of dumped brick and concrete.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 275
Acreage: 0.10
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30'&5-30'	Yes		Foot traffic	
Deciduous	Mugwort	5-30'&<5'	Yes		Bike/ ATV	
Hemicryptophytes						
Slope						
Dry						

Comments:

Small unit of black locust with mugwort as ground cover. Area is bordered by nature trail and adjacent to a huge drainage ditch.

Unit: 276
Acreage: 0.24
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	5'-30'&<5'			Foot traffic	
Deciduous	Mugwort	<5'	Yes		Bike/ ATV	
Hemicryptophytes	Smooth sumac	<5'				
Slope	Bittersweet	<5'	Yes			
Dry	Ailanthus	5'-30'&>5'	Yes			
	Silver hair	<5'				

Comments:

Old field unit which borders nature trail. Borderline woodland; black cherry is approximately 15' and there are a few other trees such as grey birch, 1 black locust, and 1 crab apple. Bittersweet beginning to grow on trees. Other species; sheep sorrel, goldenrod, butter-and-eggs, common mullein, path rush, Queen Anne's lace, little bluestem, Virginia creeper, CSG, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 277
Acreage: 0.91
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'		Landfill		
	Cool season grass	<5'				
Hemicryptophytes Level Dry	Queen Anne's lace	<5'	Yes			

Comments:

MC: Manage for a field. A field unit, but unlike 33 because it is dominated solely by goldenrod and there is very little shrub or woody growth. Other species: evening primrose, English plantain, cinquefoil, thistle, wild lettuce, moss, crab apple, black cherry, bayberry, Rubus, common mullein, etc.

Unit: 278
Acreage: 0.67
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	All	Yes	Culvert	Dumping	Dumping
Deciduous	Black cherry	5-30'&<5'				Trash
Hemicryptophytes	Ailanthus	5-30'&<5'	Yes			
Slope	Mulberry spp.	<5'				
Dry	Aster	<5'				
	Bittersweet	<5'	Yes			

Comments:

Closed forest between the alley and the CIP. Culvert and ditch runs through middle of unit. There are openings in unit with black locust regeneration. Other species: aster, garlic mustard, poison ivy, red oak, 1 large tulip tree, goldenrod, Virginia knotweed, spicebush, rough avens, mugwort, pokeweed, Rubus. Vines occur at edges.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 279
Acreage: 0.95
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'			Foot traffic	Compaction
	Sweet white clover	<5'	Yes		Bike/ ATV	
Hemicryptophytes	Mugwort	<5'	Yes			
Level	Cool season grass	<5'				
Dry	Queen Anne's lace	<5'	Yes			

Comments:

Nice meadow area of goldenrod and sweet white clover, which tends to be dominated at different times of the year by either of these species. This unit includes a nature trail and is divided by a strip of trees and Phragmites with less sweet white clover and more dogbane, some red osier dogwood in southern half. Tire tracks through unit. MC: great herbaceous variety that includes aster, Rubus, evening primrose, Phragmites, knapweed, common ragweed, 1 crab apple tree, little bluestem, black locust, moss, poison ivy, New England aster, yarrow, etc.

Unit: 280
Acreage: 0.27
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	5'-30'&<5'		Culvert		Pollution
	Bittersweet	5'-30'&<5'	Yes			Erosion
Geophytes						
Level						
Surface water						

Comments:

This is a drainage area of the Cross Island parkway. The culvert is no longer functional, and severe erosion is caused because the piping can no longer channel and contain the storm water flow. Other species: poor-man's pepper, 3 large eastern cottonwoods jewel weed, London planetree, bindweed, grey birch, mugwort, black cherry, crab apple, Virginia creeper, and black willow. MC: potential wetland site development.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 281
Acreage: 2.70
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	5'-30' & <5'	Yes	Landfill	Foot traffic	Wood dump
Hemicryptophytes						
Undulating						
Dry						

Comments:

Huge mugwort field near APEC, which is highly disturbed with a lot of ditches and berms giving an undulating effect. Old stumps scattered throughout unit.

Unit: 282
Acreage: 1.84
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	5'-30' & <5'				
	Goldenrod	<5'				
Geophytes						
Level						
Dry						

Comments:

Huge unit of Phragmites that ends atop a berm created when Cross Island parkway was built. Goldenrod not nearly as plentiful, but enough to be significant. Trail goes through unit. Weeping willows and eastern cottonwood are present. Other species: dogbane cool season grasses, wild parsnip, silver maple, mulberry, New England aster, path rush. Willows and cottonwoods form islands, which is good for wildlife habitat/usage.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 283
Acreage: 0.50
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Compaction
Deciduous	Bitternut hickory	All			Nature path	
Hemicryptophytes	Sassafras	5'-30'&<5'				
Level						
Dry						

Comments:

Nice oak hickory forest; some Sassafras present. Other species: flowering dogwood, pin oak, mulberry, American hornbeam, black cherry, tulip tree, aster, mugwort, cool seasons grasses, poison ivy, golden, spicebush, Rubus, porcelain berry, elderberry, bittersweet, utrica sp., and bittersweet. MC: No regeneration of trees, except Sassafras.

Unit: 284
Acreage: 0.86
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Porcelain berry	5'-30'&<5'	Yes			Dumping
Deciduous	Bittersweet	5'-30'&<5'	Yes			
Lianas	Alder sp.	5'-30'&<5'				
Level						
Dry						

Comments:

Porcelain berry growing over alder between meadow and small forested edge. MC: alder is an important source of food for wildlife, yet it is becoming entangled. Some blowdowns in unit. Other lianas: bindweed, wild grape, Virginia creeper. Other trees: paper birch, eastern cottonwood, weeping willow, Ailanthus, black locust. Herbaceous ground cover: mugwort, goldenrod, jewelweed, thistle, smartweed, New England aster, etc. some trees were planted (i.e. crab apple).

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 285
Acreage: 0.56
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	5'-30' & <5'			Foot traffic	Pollution
	Speckled alder	5'-30' & <5'				
Geophytes	Gray birch	5'-30'				
Level	Bayberry	5'-30' & <5'				
Wet						

Comments:

MC: the speckled alder is good for warblers, and the cattails are also valuable. This drainage path provides a unique habitat with great diversity. The area is wet, with pockets of surface water. The area is succeeding into a wooded unit. Other species: wild strawberry, willow sp., elderberry, bittersweet, porcelain berry, goldenrod, silver maple, dogbane, smooth sumac, Rubus, mugwort, everlasting pea, and large eastern cottonwoods.

Unit: 286
Acreage: 0.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'				
	Honeysuckle sp.	<5'				
Hemicryptophytes	Dogbane	<5'				
Level						
Dry						

Comments:

Small herbaceous unit with honeysuckle vines covering most of the ground. A nice amount of sweet white clover also present. Cool season grass, Queen Anne's lace, Rubus, and common mullein here, also.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 287
Acreage: 0.07
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Slope Dry	Bittersweet	5'-30' & <5	Yes	Landfill		Dumping

Comments:

Thin vineland unit on slope created by landfill. Some trees present, but either dying or becoming out-competed (Norway maple, Ailanthus, black cherry). Other species: goldenrod, red-osier dogwood, tartarian honeysuckle, Rubus, and honeysuckle vines.

Unit: 288
Acreage: 1.75
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Level Moist	March elder Phragmites Salt water cordgrass Salt meadow cordgrass	<5' <5' <5' <5'				

Comments:

Patches of march elder in high marsh areas of Alley Pond Park. Very few pure stands in the park: more often the marsh elder is mixed with Phragmites. Salt water cordgrass form a blanket underneath, but not much meadow cordgrass. A lot of warblers noted at this time. MC: high marsh is fragile.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 289
Acreage: 7.45
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Salt water cordgrass	<5'				Dumping
Hemicryptophytes Level Surface water						

Comments:

Salt water cordgrass in Alley Pond Park which appears along various places influenced by tidal flow. Wildlife abundant in these spots. Some areas have been disturbed by dumping. Other species: Phragmites, marsh elder, etc. MC: salt marsh is fragile and important to maintain.

Unit: 290
Acreage: 7.32
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Salt meadow cordgrass Spikegrass	<5' <5'			Foot traffic	
Level Wet						

Comments:

Blanket of salt meadow cordgrass and spikegrass almost in an equal mix. Noted rabbit pellets in unit. A nice amount of goosefoot and glasswort present. Other species: Phragmites, marsh elder, salt water cordgrass, etc. Foot traffic is minimal, but apparent. MC: important to protect high marsh areas, which are rare in Alley Pond Park.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 291
Acreage: 6.41
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert						Dumping
Level						
Surface water						

Comments:

Mud flats, which border tidal channels. Dumping and woody debris apparent at low tide. MC: a lot of wildlife, specifically birds, are present; important part of intertidal community. Other species: salt water cordgrass.

Unit: 292
Acreage: 0.28
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Warm season grass	<5'			Foot traffic	
Geophytes						
Level						
Wet						

Comments:

Small herbaceous border at the freshwater pond in the Alley. Grass is matted down, and therefore difficult to identify. Area Floods during heavy rain season; soil is clay-like. Area frequented by water fowl. MC: to protect this place as a nice buffer against Phragmites.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 293
Acreage: 0.61
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic plant						Dumping

Depression
 Surface water

Comments:

Freshwater pond in midst of Phragmites in the Alley wetlands. Pond is a good size; a lot of ducks sighted. One motorbike dumped near pond's edge. There is access to the pond, although it is hidden. MC: unique spot; nice wildlife area.

Unit: 294
Acreage: 0.15
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Level Dry	Rubus	<5'				

Comments:

Small scrubland of Rubus adjacent to herbaceous unit 262 and a huge area of Phragmites. Some bittersweet and climbing false buckwheat growing amongst it. Other species: Phragmites, goldenrod, cool season grass, mugwort, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 295
Acreage: 0.72
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'			Foot traffic	
Deciduous	Phragmites	<5' & 5-30'				
Hemicryptophytes	E. Cottonwood	All				
Level	Cool season grass	<5'				
Dry						

Comments:

Nice herbaceous area along path becoming invaded by woody species (mostly Eastern cottonwood, bayberry, and willow sp.). MC: porcelain berry, Virginia creeper, and Rubus are also invading; control in this old field habitat. Other species: dogbane, silver maple, mint sp., bittersweet, switchgrass, New England aster, willow spp., dogbane, gray birch, Ailanthus, and poison ivy.

Unit: 296
Acreage: 0.10
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Switchgrass	<5'			Foot traffic	Dumping
	Goldenrod	<5'				Compaction
Hemicryptophytes						
Level						
Dry						

Comments:

Small unit adjacent to Nature Trail leading directly from APEC. Unit predominantly switchgrass, but enough goldenrod to mention. Area becoming invaded by mugwort along its edge. MC: dumping evident; a truck has passed through unit and ripped up soil as well as compacted it. Other species include porcelain berry (which can cause problem), Queen Anne's lace, a single oak and crab apple, Rubus, wild strawberry, dogbane, rose, tick trefoil, common mullein, and cool season grasses.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 297
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill		Dumping
Hemicryptophytes						
Knoll						
Dry						

Comments:

Small mound of mugwort atop dumped fill. Unit extends from tiny clump of black locust (not included in this unit) out into meadow. Everlasting pea, goldenrod, and dogbane growing in small amounts; also black locust and deadly nightshade present.

Unit: 298
Acreage: 0.33
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Sweet white clover	<5'	Yes			
	Mugwort	<5'	Yes			
Hemicryptophytes	Cool season grass	<5'				
Level	Goldenrod	<5'				
Dry						

Comments:

Nice meadow unit of above species. Others include Aster, Queen Anne's lace and everlasting pea. Mugwort is invading, but in small amounts, clover predominates through out the unit. Cottontail sighed. MC: good site for active meadow management.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 299
Acreage: 0.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'				
Hemicryptophytes	Cool season grass	<5'				
Level						
Dry						

Comments:

Unit is dominated by goldenrod; cool season grass makes up a decent percentage of ground cover. Mugwort is invading here, too. Other species: Aster, Queen Anne's lace, poison ivy, Rubus, rose, Virginia creeper, one crab apple, Phragmites (on border of unit), switch grass and some smooth sumac, dogbane, everlasting pea from adjacent unit 287, yarrow, and moss.

Unit: 300
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black cherry	<5' & 5-30'				
Deciduous	Bittersweet	<5' & 5-30'	Yes			Foot traffic
Phanerophytes	Switchgrass	<5'				Sewer line
Level	Smooth sumac	<5'				
Dry						

Comments:

Scrubby unit of black cherry trees under 15' ; as they grow taller, community structure will change to woodland. Small strip atop sewer line that borders both sides of path leading to wooden platform on tidal channel. Quite a bit of bittersweet which is becoming a problem. Although wildlife count is low, there are usually a lot of small birds in the area. Other species: bayberry, Japanese honeysuckle, CSG, porcelain berry, mugwort, rose, Phragmites, goldenrod, crab apple.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 301
Acreage: 1.32
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes		Foot traffic	
Hemicryptophytes	Cool season grass	<5'				
Level						
Dry						

Comments:

Herbaceous field of mugwort and cool season grasses mixed in a patchwork. A lot of rabbit pellets noted. Other species: clotbur, Phragmites, wild lettuce, and one bayberry shrub.

Unit: 302
Acreage: 0.91
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes			Scraping
	Small white aster	<5'				
Hemicryptophytes	Cool season grass	<5'				
Depression	Queen Anne's lace	<5'	Yes			
Dry	Phragmites	<5'				

Comments:

Small depression caused by scraping when Cross Island Pkwy was put in. Unit is between exit ramp for Northern Boulevard and dirt berm that was created. Nice meadow area; floods in one spot where there is a small "pond" . Chairmaker's rush is present here. Other species: pin oak, mulberry, silver maple, yarrow, thistle, Phragmites, dandelion, Aster, common ragweed, Eastern cottonwood (5-30' & <5'), and evening primrose.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 303
Acreage: 1.35
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Japanese sophora	<5' & 5-30'	Yes		Foot traffic	Dumping
Deciduous	E. Cottonwood	All			Apiary	
Hemicryptophytes	Ailanthus	<5' & 5-30'	Yes			
Undulating	Mugwort	<5' & 5-30'	Yes			
Dry	J. Knotweed	<5' & 5-30'	Yes			

Comments:

Woodland near APEC at the start of the nature trail. Undulating area with wet depression; Ailanthus grows upon disturbed slope near apiary. Box elder grows in depression along with jewelweed and willow species. Others include bur-cucumber, box elder, jewelweed, goldenrod, and bur marigold.

Unit: 304
Acreage: 0.51
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Common cattails	<5' & 5-30'			Foot traffic	Dumping
	Phragmites	<5' & 5-30'				
Geophytes						
Depression						
Moist						

Comments:

MC: very nice area that has been drying up increasingly; cattail and Phragmites are co-dominant, but Phragmites will probably take over. Many nice wet species present such as chairmaker's rush, bur marigold, purple loosestrife, duckweed, and Cyperus spp. Disturbance has occurred on unit's border where soil and debris was dumped. Part of unit 303 with Eastern Cottonwoods and herbaceous species was once part of this unit. Other species: climbing false buckwheat, mugwort.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 305
Acreage: 0.42
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Goldenrod	<5'				Stumps
	Cool season grass	<5'				
Hemicryptophytes Level Dry	Small white aster Mugwort	<5'	Yes			

Comments:

Small meadow of above species, but mugwort is just beginning to invade around edges and is at very small heights. Good amounts of Queen Anne's lace, dogbane, mint spp., and knapweed. MC: Nice meadow area with good potential for wildflowers, butterflies, etc.

Unit: 306
Acreage: 0.40
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Vegetables	<5'	Yes		Garden Foot traffic	
Therophytes Level Moist						

Comments:

APEC Community Organic Garden. Some cultivated flowers present and invasive species such as Phragmites and mugwort.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 307
Acreage: 0.93
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Weeping willow	>30' & 5-30'	Yes	Building	Env. Center	Wood chip
Hemicryptophytes Level Dry	Cool season grass	<5'			Foot traffic Vehicle	

Comments:

Alley Pond Environmental Center and its surrounding grounds, observation deck, picnic tables and parking lot. Other species include Eastern cottonwood, mugwort, Ailanthus, grey birch, honey locust, Japanese Sophora, etc.

Unit: 308
Acreage: 0.06
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'				
Geophytes	Goldenrod	<5'				
Depression Moist	Cool season grass	<5'				

Comments:

Small wet depression behind APEC, next to water pump station. Other species: cattails, chairmaker's rush, clotbur, goldenrod, Aster, Cyperus spp., willow spp., smartweed, mugwort. MC: Small, but nice wet area, which will change if it becomes drier.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 309
Acreage: 0.62
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes			Dumping
Hemicryptophytes Undulating Dry						

Comments:

Mugwort field adjacent to unit 312 where landscaping is being done. A patch of trees near shoreline and scattered ones throughout unit; these include black locust, Ailanthus, and London planetree. A lot of dumping here, so surface appears undulating. Other species: Phragmites. No real regeneration, but if unit fills in, it may become part of unit 303. The lack of regeneration and small number of trees is the only difference.

Unit: 310
Acreage: 1.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes	Landfill		Dumping
Deciduous	Black locust	<5' & 5-30'	Yes			Trash
Hemicryptophytes	Box Elder	<5' & 5-30'				
Undulating	Weeping willow	>30'	Yes			
Dry	E. Cottonwood	All				
	Mugwort	5-30' & <5	Yes			

Comments:

Woodland is a midst of a disturbed field with mugwort dominating ground cover. Rabbits possibly browse in one area. Some other trees include mulberry, silver maple, and black willow. Tree species are almost in equal amounts. Some "islands" of trees are on top of mounds.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 311
Acreage: 11.12
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	Yes	Landfill	Foot traffic	Oil dump
Hemicryptophytes Level Dry	Phragmites	<5' & 5-30'				Dumping

Comments:

Huge field of mugwort with scattered trees. Phragmites appears in various spots; not as plentiful as mugwort. Unit is bordered by dirt berm on its sides and also by establishments on Northern Blvd. Auto and mechanic businesses are dumping oil and various auto parts behind their properties. Trees include Ailanthus, Eastern cottonwood, weeping willow, black locust, and a line of Arbor Vitae along diner parking lot. Also some goldenrod and clover present along with white pine. Very disturbed fill site ditches and berms; dumping abounds.

Unit: 312
Acreage: 1.07
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Pump station Foot traffic Vehicle	Compaction
Chamaephytes Level Dry						

Comments:

Pumping station adjacent to Northern Boulevard and APEC. At time of entitation, area is a virtual desert, but landscaping is taking place; therefore, species composition and community structure will change. A lot of ornamental shrubs being planted; also some pines and Eastern red cedar. Only concern is the close proximity of disturbance to the tidal flow. Other species: Eastern cottonwood, mugwort, and Phragmites.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 313
Acreage: 0.77
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'			Foot traffic	
	Queen Anne's lace	<5'	Yes			
Hemicryptophytes	Mugwort	<5'	Yes			
Level						
Dry						

Comments:

Level field at northeast corner of the Alley wetland. Other species: sweet white clover, rose, Aster, common ragweed, and goldenrod.

Unit: 314
Acreage: 0.60
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'	Yes		Foot traffic	Oil dump Compaction Trash
	Goldenrod	<5'				
Hemicryptophytes	Mugwort	<5'	Yes			
Level	Cool season grass	<5'				
Moist	E. Cottonwood	<5' & 5-30'				
	Aster spp.	<5'				

Comments:

Area at end of huge disturbed mugwort field. It is fairly moist and Phragmites dominates. Unit near business along Northern Boulevard. Large oil dump (with cattails growing in it) at northeast corner. Eastern cottonwood regenerating nicely. Raccoon tracks on muddy foot path. Other species: willow spp.(<5'), poison ivy, path rush, clover, Cyperus spp., Polygonum spp., rose, common ragweed, porcelain berry, etc. MC: Nice bird spot; also, oil pit problem.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 315
Acreage: 0.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	E. Cottonwood	5'-30'		Comm. Area		
Deciduous	Black locust	<5' & 5-30'	Yes	Landfill		
Phanerophytes	Smooth sumac	<5' & 5-30'		Foundation		
Level	Mugwort	<5'	Yes			
Dry						

Comments:

This unit is bordered on one side by Northern Blvd, also there is a large concrete and metal foundation in it. This unit appears to be changing from a woodland to a scrub area. There are not regenerating and the smooth sumac may begin to spread. Other species: goldenrod, 1 silver maple, porcelain berry, cat brier, and poison ivy.

Unit: 316
Acreage: 0.30
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Comm. Area	Vehicle	
Hemicryptophytes						
Level						
Dry						

Comments:

DEP Bureau of Sewers Construction Area. It is enclosed by fencing, accessible by car, and there is heaps of sand and piping present. Some mugwort growing in the area. Other species: evening primrose.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 317
Acreage: 7.86
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Comm. Area		Dumping
Hemicryptophytes	E. Cottonwood	<5' & 5-30'		Landfill		
Level				Exotics		
Dry						

Comments:

This unit is very diverse, mostly herbaceous, and seems to have had a miniature golf or amusement area (cement, outdoor carpeting, green asphalt) which included some exotic plantings: lilac, Forsythia, buttonbush. There are also Eastern cottonwood trees scattered throughout. There are metal barrier posts to keep cars from being abandoned here. Other species: switchgrass, common mullein, black locust, Rubus, London planetrees, evening primrose, goldenrod, sweet white clover, black cherry, pin oak, sycamore maple, groundsel tree, St. Johnswort, moss, etc.

Unit: 318
Acreage: 0.11
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes			
Deciduous	Smooth sumac	<5' & 5-30'				
Lianas	Mugwort	<5'	Yes			
Level	Phragmites	<5'				
Dry						

Comments:

Small unit alongside paved path adjacent to Cross Island Parkway entrance ramp. 1 black cherry and 1 crab apple in unit. Disturbance from construction crews ripping up paved path. Mugwort/Phragmites will probably out-compete the sumac. Other species include: white snakeroot, goldenrod, poison ivy, milkweed, yarrow, Aster and shining sumac.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 319
Acreage: 0.09
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes	Landfill		Dumping
Deciduous	Phragmites	<5' & 5-30'				
Geophytes	Mugwort	<5'	Yes			
Slope						
Dry						

Comments:

Unit of Ailanthus which curves around edge of Phragmites and small freshwater pond (unit 323). Primarily dry conditions, but some wet to moist sites near Phragmites. Trees atop sloping hill of concrete debris. Not many other species -- climbing false buckwheat, smooth sumac, porcelain berry, and pokeweed.

Unit: 320
Acreage: 0.21
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	E. Cottonwood	>30' & 5-30'		Landfill		Dumping
Deciduous						
Phanerophytes						
Level						
Dry						

Comments:

A small stand of old and large Eastern cottonwoods. Other tree species include black locust, Ailanthus, London planetree, and black cherry. Other species: mugwort, Phragmites, smooth sumac, shining sumac, bayberry and porcelain berry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 321
Acreage: 0.05
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill		Compaction
	E. Cottonwood	<5'		Comm. Area		
Hemicryptophytes Level Moist	Three awn grass	<5'				

Comments:

This unit seems to have been part of the enclosed construction area; some sand and construction-type stones are lying around. It differs from the surrounding mugwort area because it contains a low growing herbaceous cover of grasses, rushes, Amaranthus, and is especially interesting since Eastern Cottonwood saplings are only springing up here. Other species: goldenrod, Queen Anne's lace, smartweed and path rush.

Unit: 322
Acreage: 0.11
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes	Comm. Area	Foot traffic	Dumping
Deciduous	Black locust	<5' & 5-30'	Yes	Landfill		Trash
Hemicryptophytes Level Dry	Mugwort	<5'	Yes			

Comments:

A thin wooded strip of trees with an understory dominated by mugwort. There is plenty of trash and pieces of concrete and asphalt. Other species: black cherry, smooth sumac, Phragmites, box elder, marsh elder, mulberry, and elm species.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 323
Acreage: 0.16
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'				
Geophytes						
Depression						
Surface water						

Comments:

MC: Fresh water site for birds and a good spot for educational purposes. A small fresh pond that drains northward towards the Railroad and into Little Neck Bay. No birds sighted at time of mapping, but looks like a good spot. Some duckweed growing in the pond.

Unit: 324
Acreage: 0.35
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Box Elder	<5' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Ailanthus	<5' & 5-30'	Yes		Campfire	Fire
Phanerophytes						
Level						
Moist						

Comments:

This unit is dominated by box elder and Ailanthus. It seems to be heavily dumped and there is probably use by the public. MC: this unit is used by birds , such as American egrets and yellow leg spp.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 325
Acreage: 0.50
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes	Comm. Area		Trash
Deciduous	Black locust	>30' & 5-30'	Yes	Landfill		Dumping
Geophytes	Phragmites	<5' & 5-30'				
Undulating	Mugwort	<5'	Yes			
Moist	Jewelweed	<5'				
	J. knotweed	5-30' & <5'	Yes			

Comments:

A diverse wooded unit that has very moist soil, as indicated by the jewelweed, Phragmites, and smartweed. There is litter all over the unit, as well as dumping. Other species: silver maple, Norway maple, black cherry, mulberry, Royal Paulownia, Virginia creeper, smooth sumac, Rubus, elderberry, bindweed, porcelain berry, shining sumac, goldenrod, moss and white snakeroot.

Unit: 326
Acreage: 0.54
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	<5' & 5-30'	Yes	Landfill	Vehicle	Dumping
Deciduous	Bigtooth aspen	All		Road	Foot traffic	Trash
Phanerophytes	Ailanthus	<5' & 5-30'	Yes	Culvert		Pruning
Slope						
Dry						

Comments:

Closed forest of mixed species adjacent to LIRR and surrounding an old dirt road perpendicular to the Cross Island Parkway. Black locust dominate; a good size patch of big tooth aspen and a significant amount of Ailanthus present. Ground cover primarily mugwort, but a lot of other species. Bad accessibility problem - surprised there are not more abandoned autos here. Other species are European beech, Rubus, sweetgum, smooth sumac, Phragmites, mulberry, rose, jewelweed, garlic mustard, poison ivy, grey birch, silver maple, switchgrass, pin oak, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 327
Acreage: 0.58
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	Yes	Landfill	Vehicle	Auto
Deciduous	Shining sumac	<5' & 5-30'		Road	Foot traffic	Trash
Phanerophytes	Black cherry	5'-30'				
Slope	Switchgrass	<5'				
Dry						

Comments:

Other species: smooth sumac, goldenrod, Rubus, bittersweet, common mullein, path rush, and Amaranthus. This woodland is bordered by the railway and it continues down the embankment. It is mainly scrubby trees with a dirt utility road cutting through. Many herbaceous meadow plants grow there also. Single trees are American elm, London planetree, and Royal Paulownia.

Unit: 328
Acreage: 2.36
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Railroad	
Level						
Dry						

Comments:

Port Washington branch of the Long Island Railroad, which runs through northern end of Alley Pond Park. Some Ailanthus, mugwort, and Phragmites growing along its embankments.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 329
Acreage: 2.28
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill		Dumping
	Sweet white clover	<5'	Yes	Amusmt. Park		Trash
Hemipterophytes Level Dry	Cool season grass	<5'				

Comments:

A predominantly mugwort field with sweet white clover growing atop asphalt wasteland. Possibly old amusement park site. Unit runs adjacent to Northern Boulevard on both sides of Alley Creek. Surface is undulating on east side of unit where there is more asphalt fill. Western half has more moss and goldenrod present. Metal bollards block access from road. Other species, of which there is very little, include Queens Anne's lace, common mullein, Ailanthus, and planted trees (willows) near road.

Unit: 330
Acreage: 0.29
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Privet	5'-30'	Yes	Amusmt. Park		Auto
Deciduous	Mugwort	<5'	Yes	Hedgerow		
Chamaephytes Slope Dry	Phragmites	<5' & 5-30'		Exotic		

Comments:

This unit was probably part of an old amusement area. It contains a canal with stone walls and a privet hedgerow on both sides. There is also a collapsed concrete bridge over the canal in a ditch area that fills with water. Other species: Phragmites and cattails; on higher ground, mugwort, Ailanthus, London planetree, and red maple are present.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 331
Acreage: 0.84
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Landfill	Vehicle Foot traffic	
Level						
Dry						

Comments:
 This is the parking lot for the Pebble Beach Golf Center.

Unit: 332
Acreage: 0.57
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Landfill	Sports Vehicle Foot traffic	
Level						
Dry						

Comments:
 This is the Pebble Beach Golf Center, which houses the office, golf course and trees. Unit is located on Northern Boulevard.
 Other spp: European weeping birch, Japanese yew, Japanese black pine, and cool season grass.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 333
Acreage: 1.07
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	E. Cottonwood	>30' & 5-30'			Foot traffic	Dumping
Deciduous	Ailanthus	<5' & 5-30'	Yes			
Hemicryptophytes	Black locust	5'-30'	Yes			
Level	Weeping willow	>30' & 5-30'	Yes			
Moist	Smooth sumac	<5' & 5-30'				
	White ash	5-30'&<5'				

Comments:

Inaccessible woodland strip near stream (unit 348) which provides nice cover for wildlife, therefore a MC. A lot of Phragmites, mugwort, chives, and rough avens as well as patches of rose, Japanese knotweed, wineberry and sumac. Many birds such as herons, kingfishes, woodpeckers, etc. Vines growing on trees; surface water in one spot. Other species: crab apple, tulip tree, bittersweet, garlic mustard, cool season grass, honey locust, dogbane, and Rubus.

Unit: 334
Acreage: 0.50
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Landfill Parking lot	Vehicle	Trash
Slope						
Dry						

Comments:

MC: There is vehicle access and this presents a potential problem for illegal dumping and abandoned cars. A former parking lot that is no longer in use. Vegetation is slowly invading the cracked asphalt.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 335
Acreage: 0.71
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill		Dumping
Hemicryptophytes	Cool season grass	<5'				
Level						
Dry						

Comments:

A meadow unit that has a fence running through it. This separates the golf driving ranging from the woodland and forested units. The meadow is diverse and contains goldenrod, sweet white clover, evening primrose, small white aster, smooth sumac, pin oak, Eastern red cedar, black cherry, rose and Wisteria.

Unit: 336
Acreage: 0.22
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Wisteria	<5' & 5-30'	Yes	Landfill		Dumping
Deciduous	Honeysuckle sp.	<5'	Yes			
Lianas	Bittersweet	<5' & 5-30'	Yes			
Level	Mugwort	<5'	Yes			
Dry	Rose	<5' & 5-30'	Yes			

Comments:

A scrubby unit that is dominated by the wandering Wisteria. There are heavy spots of concrete dumping. A few trees in the unit are mimosa, black cherry, black locust, and Norway maple. Other species: porcelain berry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 337
Acreage: 1.14
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	<5' & 5-30'	Yes	Landfill		Dumping
Deciduous	American elm	All		Billboard		Trash
Hemicryptophytes	Mugwort	<5'	Yes			
Undulating						
Dry						

Comments:

Unit 337 has limited access because there is a chain fence and a lock on the entrance gate. A very disturbed site with dumping all over the unit. Currently the removal of a billboard is taking place. Community structure is changing due to the vigorous regeneration. Other species: rose, poison ivy, Japanese knotweed, white ash, American elm, black cherry, shining sumac, New York aster, Queen Anne's lace, Aster, CSG, wild grape, Ailanthus, sweet white clover, Norway maple, Eastern cottonwood, goldenrod, and Eastern red cedar.

Unit: 338
Acreage: 4.33
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5'		Amusmt. Park		Compaction
	Marsh elder	<5' & 5-30'				
Geophytes	S.m. Cordgrass	<5'				
Level	S. Water cordgrass	<5'				
Surface water	Groundsel tree	<5' & 5-30'				

Comments:

Very disturbed area, possibly old site of an amusement park that has been influenced by tidal flow. This situation has created a patchwork of the above species, many of which are growing up through the asphalt. Species dominance varies from spot to spot, but overall, the picture is as above. Surface water in spots, especially where salt water cordgrass is located. Other species: goosefoot, goldenrod, mugwort, clover, etc. MC: nice wildlife habitat; noted raccoon scat in area.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 339
Acreage: 1.23
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Dry	E. Cottonwood Mugwort	All <5'	Yes	Landfill Amusmt. Park		Dumping

Comments:

Woodland unit of regenerating cottonwood growing on old amusement park site. Mugwort dominates the groundcover, but there is also a good amount of sweet white clover, Phragmites, and CSG. Old fence adjacent to new fence of golf driving range; Phragmites growing along this area. Clump of Ailanthus present and some London planetree. Other species: groundsel tree, black cherry, goldenrod, marsh elder, Queen Anne's lace, etc.

Unit: 340
Acreage: 6.68
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Hemicryptophytes Level Dry	Mugwort Clover Goldenrod	<5' & 5-30' <5' <5'	Yes	Landfill	Vehicle	Dumping Trash

Comments:

Very large mugwort field growing on asphalt and fill. Large berm borders almost all of unit. Most of the soil is composed of fill. Mugwort encroaches into driving range and old parking lot (unit 334). A lot of bare, patchy spots in groundcover. Other species include thistle, Phragmites, good amount of small white aster, common sunflower, Aster, CSG, evening primrose, common mullein, Eastern cottonwood, black locust, groundsel tree, moss, moth mullein, etc. Small patch of WSG which, eventually, may become another unit.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 341
Acreage: 7.34
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Landfill	Sports Vehicle Foot traffic	Compaction
Level						
Dry						

Comments:

Golf Driving Range. The soil is extremely compacted, dry, and has poor drainage, which results in puddles.

Unit: 342
Acreage: 4.66
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sycamore maple	All	Yes	Foundation	Foot traffic	Dumping
Deciduous	Ailanthus	All	Yes			Trash
Phanerophytes	Black locust	All	Yes			
Slope	Black cherry	All				
Dry	Red oak	>30'				
	Black willow	>30&5-30'				

Comments:

MC: Illegal dumping and filling of wetlands in occurring behind the private homes, condominiums and especially the American Legion Hall. Dumping and discarding of trash occurs at will and with no violations. The boundary along the private property is uncertain due to the heavy dumping. There seem to be a group nesting Black-crowned Night Herons. There are pockets of silver and red maple, Jewelweed, weeping and black willow along the pond's shoreline. Other species: American beech, marsh marigold, Japanese honeysuckle, CSG, poison ivy, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 343
Acreage: 0.48
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill		
Hemicryptophytes						
Level						
Dry						

Comments:

Mugwort field extending from black locust unit 344. Unit is probably on top of landfill but it is not as apparent/disturbed as mugwort unit 329. Phragmites line edge of unit near channel. Scattered trees present are Ailanthus, black locust, and mulberry. Also rose present.

Unit: 344
Acreage: 0.20
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes	Landfill		
Deciduous	Mugwort	<5'	Yes			
Phanerophytes						
Undulating						
Dry						

Comments:

Small stand of black locust with dense undergrowth of mugwort growing on small mounds of asphalt material. Other species: mulberry.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 345
Acreage: 0.29
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'			Landfill	
	Warm season grass	<5'				
Hemicryptophytes Level	Mugwort	<5'	Yes			
	Goldenrod	<5'	Yes			
Moist	Queen Anne's lace	<5'				
	Sweet white clover	<5'	Yes			

Comments:

Diverse meadow-like area distinct from surrounding Phragmites by its many different herbaceous plants. Predominantly grasses, but other species include: Aster, groundsel tree, English plantain, mugwort, yarrow, curly dock, toadflax, path rush, and little bluestem.

Unit: 346
Acreage: 0.39
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	S.m cordgrass	<5'				Dumping
	Spikegrass	<5'				
Hemicryptophytes Level Surface water	Marsh elder	<5'				

Comments:

Salt meadow cordgrass surrounding a body of water formed by tidal flow. Unit is located between driving range and tidal channel. Area not as natural as it could be due to disturbance, but apparently, it is progressing this way. MC: great waterfowl site with little interference by man. Other species: salt water cordgrass and Phragmites.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 347
Acreage: 1.46
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	S.m. Cordgrass	<5'				Golf balls
Hemicryptophytes Level Surface water						

Comments:

Large unit of salt meadow cordgrass between northern end of driving range and railroad. Area apparently influenced by tides. Patches of mud flats; some scattered Phragmites on edges. Only disturbance is from an occasional golfball. Other species: marsh elder, glasswort, spikegrass, and goldenrod, Unit is virtually inaccessible. Raccoon tracks noted toward edge of unit near runoff channel.

Unit: 348
Acreage: 1.49
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic plant	Duckweed	<5'				Dumping Trash
Hydrophytes Level Surface water						

Comments:

Small channel of water(possibly spring fed) that runs parallel to Douglaston Parkway. MC: very nice wildlife spot; always a lot of birds present--at this time, waders and ten yellowlegs. Also, dumping from slopes of unit 342 entering waters here. Channel is approximately 120' across at its widest edge. Other species: jewelweed, algae, moss, Phragmites, etc.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 349
Acreage: 1.90
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'		Fence		
	Porcelain berry	<5' & 5-30'	Yes			
Lianas	Groundsel tree	<5' & 5-30'				
Level	Marsh elder	<5'				
Moist						

Comments:

Phragmites unit which borders channel leading to inlet from Little Neck Bay. Moist-site scrubs present as well as other "wet" species such as purple loosestrife, jewelweed, and willow spp. Yet, MC: because area is an emergent vineland, porcelain berry is growing atop Phragmites throughout most of unit. Surface water present in spots.

Unit: 350
Acreage: 0.07
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Silver hair grass	<5'				Trash
Hemicryptophytes						
Level						
Dry						

Comments:

Small desert area, which occasionally floods and that is scarcely vegetated. Surface may be too compacted or eroded. A small amount of salt meadow cordgrass present. Raccoon tracks noted. Hopefully this unit will become invaded by either salt meadow cordgrass or other herbaceous species.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 351
Acreage: 0.69
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Sweet white clover	<5'	Yes			
	Phragmites	<5'				
Hemicryptophytes	Mugwort	<5'	Yes			
Level	Goldenrod	<5'				
Moist						

Comments:

Grassy meadow in between Phragmites unit 349 and berm from unit 340. Phragmites and mugwort invasive from these neighboring units. Unit apparently gets wet in spots. Clover is more visibly dominant in early summer. Other species: cool season grasses, groundsel tree, small white aster, Eastern cottonwood (<5'), dogbane, evening primrose, bindweed, Queen Anne's lace, clotbur, common ragweed, etc.

Unit: 352
Acreage: 0.51
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	<5' & 5-30'			Landfill	
Deciduous	Gray birch	<5' & 5-30'				
Phanerophytes						
Slope						
Dry						

Comments:

Black cherry growing along northern slope of LIRR tracks. Small amount of grey birch mixed in (sparingly), but enough to be significant. Trees growing in gravel and soil screenings from railroad. Other species Rubus, shining sumac, goldenrod, pokeweed and Phragmites.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 353
Acreage: 0.21
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Level Dry	Marsh elder	<5'		Landfill		Trash Dumping

Comments:

Bottom of railroad slope with scattered trees at edge of salt marsh. Marsh elder growing in gravel. Other species include poison ivy, goldenrod, Ailanthus, black cherry, switchgrass, and goosefoot.

Unit: 354
Acreage: 10.53
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	S.m. Cordgrass	<5'				Trash
	S. Water cordgrass	<5'				
Geophytes Level Surface water	Spikegrass	<5'				

Comments:

This unit is distinctive because of the patchy distribution of salt meadow and salt water cordgrasses. There are very wet areas where salt water cordgrass is dominant and drier areas where salt meadow cordgrass and spikegrass are more abundant. There are also intermixed patches of algae and glasswort growing in unit. There is a lot of trash that has washed in with the tide or storms. There were several different bird species sighted. Vital intertidal community--MC for this reason. Other species: marsh elder and goosefoot.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 355
Acreage: 0.28
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal						Trash
Depression						
Surface water						

Comments:

A small depression filled with stagnant brackish water. Multiple units. Some vegetation such as salt water cordgrass and glasswort present. There are isolated pockets of flotsam scattered throughout unit.

Unit: 356
Acreage: 0.42
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Landfill	Foot traffic	Trash
Deciduous	Sycamore maple	<5' & 5-30'	Yes			
Lianas						
Level						
Dry						

Comments:

Small strip of vineland that once was a closed forest extending into adjacent Crocheron Park. MC: it could be a nice forested buffer to the Little Neck wetlands. Paved pathway adjacent to unit is ripped up and repaved-- this has caused disturbance. Not much sycamore maple. Other species: crab apple, pin oak, black cherry, Virginia creeper, mugwort, and cool season grasses.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 357
Acreage: 0.46
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Foot traffic Fishing	Trash
Slope Dry						

Comments:

Small beach at end of Alley Pond Park near Little Neck Bay. Favorite fishing spot. Trash along shoreline. Footpath leading to unit from paved path. MC: only beach in Alley Pond Park, should be protected.

Unit: 358
Acreage: 0.18
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	<5' & 5-30'	Yes	Phone pole		Trash
Deciduous	Black cherry	<5' & 5-30'		Drain pipe		Dumping
Lianas	Bittersweet	<5' & 5-30'	Yes			
Slope	Mugwort	<5' & 5-30'	Yes			
Dry						

Comments:

Small disturbed strip of closed forest, which is becoming a vineland. Unit adjacent to Douglaston railroad station. Dumping and trash apparent. Not much regeneration. Other species: silver maple, wineberry, Phragmites, mulberry, white snakeroot, Virginia creeper, and goldenrod.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 359
Acreage: 0.29
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Mulberry	5'-30'		Exotics		Dumping
Deciduous	Chestnut oak	>30' & 5-30'		Landfill		Trash
Phanerophytes	Norway maple	<5' & 5-30'	Yes			
Slope						
Dry						

Comments:

This sloping unit is bordered by the embankment of the Douglaston RR station platform on one side and by Phragmites on the other. The large mulberry trees grow right up to the platform. This unit contains many trees (others include sycamore maple and black cherry), but there is also a lot of herbaceous and shrubby vegetation including cultivated exotics. Other species: dogwood sp., goldenrod, rose-of-Sharon, rose, Aster, day lily, Japanese honeysuckle, Jewelweed, poison ivy, Virginia knotweed. MC: Chestnut oak is an important and rare sp.

Unit: 360
Acreage: 11.01
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Phragmites	<5' & 5-30'		Landfill		Dumping
	Marsh elder	<5'				
Geophytes						
Level						
Wet						

Comments:

Phragmites with marsh elder mixed throughout, also a small amount of groundsel tree. This unit is bordered on the west by the salt meadow cordgrass and on the east by the mowed area adjacent to 233rd Street.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 361
Acreage: 0.82
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Dry	E. cottonwood Mugwort	all <5'	no yes			Dumping

Comments:

Woodland border along 233rd Street and 41st Avenue with a great variety of tree species--patches of silver maple, four planted London planetree, clump of black locust, mimosa, mulberry, black cherry, black willow, Ailanthus, etc. Ground cover is primarily mugwort. Other species are Phragmites, groundsel tree, clover, Aster, Japanese knotweed, bittersweet, smartweed, common ragweed, switchgrass, goldenrod, etc.

Unit: 362
Acreage: 0.39
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Moist	London planetree Weeping willow Cool season grass	All All <5'	Yes Yes		Foot traffic	Trash Dumping

Comments:

A buffer strip of trees and managed lawn between the Phragmites and the road. Other species: crab apple, black cherry, sycamore maple, mugwort, Phragmites, Japanese black pine, ornamental shrubs, corkscrew willow, rose-of-Sharon, pin oak, Wisteria, and weeping willow.

Alley Pond Park Entitation Unit Descriptions, Surveyed December 1987

Unit: 363
Acreage: 0.98
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill	Foot traffic	Dumping
Hemicryptophytes Undulating Dry						

Comments:

A disturbed area of mostly mugwort that has other species scattered throughout the undulating terrain. Pieces of concrete and asphalt are all over. Other species: black cherry, mulberry, pin oak, black locust, Poison ivy, rose, Rubus, Bur-cucumber, clover, Queen Anne's lace, crab apple, Eastern cottonwood, etc.

Unit: 364
Acreage: 0.75
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'		Landfill	Foot traffic	Dumping
	Mugwort	<5'	Yes		Culvert	Trash
Geophytes	Marsh elder	<5' & 5-30'				
Slope	Groundsel tree	<5' & 5-30'				
Moist						

Comments:

A large strip of mostly Phragmites with a few scattered trees. Scattered dumping of concrete blocks toward the seaward side of the berm. Other species: salt meadow cordgrass, bayberry, mulberry, crab apple, one gray birch, goldenrod, black cherry, Rubus, pokeweed, bittersweet, porcelain berry, clover, CSG, etc.

APPENDIX: Glossary

Many of these definitions are adapted from Marge Garguillo's unpublished *Plants of New York City Natural Areas: An ecological manual* (2005).

Chamaephyte: Mature branch or shoot system remaining perennially less than or equal to 100in above ground. Buds are produced on aerial branches close to the soil. (e.g. shrubs)

Closed forest: An area formed by trees at least 15 feet tall with interlocking crowns and at least 80% canopy closure.

Competition: The ability of one plant to overwhelm another plant by shading it out or otherwise overwhelming it.

Deciduous: Majority of trees shed their foliage in the autumn months.

Depression: A hollow, or low point, as compared to the surrounding topography. May or may not contain water.

Dominant: The most abundant plants in a particular plant community. A **codominant** plant is about equally as abundant as the dominant species.

Exotic: A species that does not naturally inhabit a specific area. An exotic plant may or may not be invasive where it is introduced.

Exotic planting: A gardened area where non-native species (e.g. privet, periwinkle) are tended.

Full-crown tree: Initially open-grown and free of competition: currently very large with a dominating crown.

Geophyte: Plants with buds or shoots surviving below the ground (rhizomes, bulbs, stem tubers, root tubers.)

Graminoid: Grasses and grass-like plants.

Hedgerow: Evidence of trees or shrubs planted in line i.e., maple or privet along road or path.

Hemicryptophyte: Shoots die back to ground level.

Herb: Plants without woody tissues that die back to the ground in the winter. This classification is usually applied to broad-leaved plants rather than grasses, but includes grasses for the purpose of entitation.

Herbaceous community: An area where grasses, grasslike plants, and herbaceous plants are predominant. Woody plants may be sparingly present, but cover less than 30% of area.

Intertidal Communities: Substrate is exposed and flooded by tides, includes the associated splash zone.

Invasive plant: A plant species that grows and reproduces without constraint, crowding or shading out other plants. The term is usually applied to plants that are not native to the given region. Invasiveness in a plant that is native to the region is rare and probably caused by unusual circumstances.

Knoll: A small isolated hillock.

Landfill: Topography altered by previous filling or dumping: i.e., while building a road or altering a wetland area. Look for rubble on the soil surface or sudden changes in grade.

Lianas: Vascular plants needing support, rooting in the ground permanently (vines).

Native plant: Plants that were growing in this region before Europeans came to North America. Native plants are adapted to the climate and soils of their region. They have relationships with birds, mammals, insects, and fungi and are integrated into the ecology of the region. New York City's native plants come from seed that spread northward after the last glaciers melted thousands of years ago.

Ornamental: Plants used as horticultural specimens in gardens or developed parks, not intended to reproduce or be part of a natural plant community. Very often they are non-native plants.

Phanerophyte: Plants that grow taller than 100 in. or whose shoots do not die back periodically to that height (e.g., trees).

Scrub: A shrubland or thicket, mainly composed of woody plants 1.5 to 15 feet tall.

Slope: Ground that forms a natural or artificial incline.

Soil compaction: Increasing soil density and decreasing porosity due to application of mechanical forces to the soil: i.e. due to vehicle, horse, or foot traffic.

Species: A group of organisms that can interbreed to produce fertile young.

Understory: Habitat below the tree canopy of a forest. The understory is a plant community of tree saplings, shrubs, herbs, graminoids, and mosses that can live in shade or part shade.

Undulating: The area has a wavy surface. Its neither a slope, a level area, or a depression, but rather a combination of all three.

Vineland: An area formed by at least 30% vines. Vines may be supported by vegetation, artificial means or ground surface. Often occurs on the forest or shrub border.

Woodland: An area formed by trees at least 15 feet tall, with most of their crowns not touching each other, but at least 30% canopy closure.