

Natural Area Mapping and Inventory of Pelham Bay Park Volume II Surveyed 2007



Prepared by the Natural Resources Group
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January 9, 2008

Pelham Bay Park Natural Area Mapping & Inventory

226.69 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 Pelham Bay Park was conducted as part of NRG's commitment to improving the natural areas of New York City parks. Volume I of the inventory was conducted in 1986, and includes all of Pelham Bay Park north of Pelham Bridge and a section of Talapoosa West. Volume II was conducted in 2007 and includes areas of Pelham Bay Park south of Pelham Bridge.

More than three times the size of Manhattan's Central Park, Pelham Bay Park is the City's largest park property. Visitors to the park enjoy miles of bridle paths and hiking trails, Orchard Beach, the Bartow-Pell Mansion, two golf courses, and a breathtaking 13-mile saltwater shoreline that hugs the Long Island Sound.

The native Siwanoy Native Americans originally inhabited this area, attracted by the plentiful deer, turtle, and sturgeon. When the Dutch West India Company purchased the land from them in 1639, they termed the area "Vreedelandt," meaning land of freedom. However, after years of unsuccessful attempts to occupy the land, the Siwanoy still controlled the area. The most famous of these failed communities was the short-lived English colony founded by Anne Hutchinson in what is now the northwest corner of this park. Having fled religious persecution in Puritan Massachusetts, Hutchinson and most of her party were killed by Native Americans just a short time later in 1643. The nearby Hutchinson River bears her name.

Englishman Thomas Pell purchased 50,000 acres of land from the Siwanoy in 1654. Parkgoers can visit the site of the tree where he and Siwanoy leader Chief Wampage made their pact. In 1666, King Charles II chartered this land as part of the Manor of Pelham. During the Revolutionary War, Pell's land was part of the buffer between the British-held Manhattan and rebel-held Westchester. Hiding behind stone walls, 600 Massachusetts Patriots stopped the British and Hessian forces from making their way north from Rodman's Neck. Remains of the walls can be seen in the Split Rock Golf Course. A plaque at Glover's Rock commemorates this battle at Pell Point.

After the Pell family sold most of the land, Robert Bartow, a publisher and Pell descendant, purchased the remainder in 1836. He built the Bartow-Pell Mansion in 1842, a grey stone mansion with Greek Revival interiors located on Shore Road. It remained in the family until 1888, when the City acquired the estate. The mansion and its grounds have been maintained by the International Garden Club Incorporated since 1914.

The site opened as a museum and educational center in 1947. The park's other historic residence, Hunter Mansion, was built in 1804. It once housed a collection of fine wines as well as paintings by European masters. Today only fragments of the foundation and landscaped features endure.

In the late 1800s, Bronx resident and founder of the New York Parks Association John Mullaly spearheaded a movement to retain some of the natural areas before they were destroyed by overdevelopment. The State Legislature appointed a commission to acquire large tracts of land to form a Bronx parks system. Pelham Bay Park officially became Bronx Parks Department property in 1888 when the City of the Bronx purchased the land for a total cost of \$2,746,688 and changed the collection of estates into a unified park. The original site was over 1,700 acres.

The park evolved from natural woodland into an enhanced recreational facility when Parks Commissioner Robert Moses (1888–1981) filled the park with playgrounds, comfort stations and other amenities. He upgraded the Pelham and Split Rock Golf Courses in the 1930s and began one of his most ambitious park projects: the building of today's Orchard Beach. Eager to increase public use of the area, Moses initiated an \$8 million project that added a new parking lot and a 90,000-square-foot bathhouse complex. When it opened in 1936, the landfill-fortified beach attracted thousands of bathers. In 1947, the beach was extended 1.25 miles by filling in the shallow water in LeRoy's Bay between Hunter and Twin islands, adding 115 acres of parkland. When the Department of Sanitation received permission to use the area south of the Pelham Bridge as a landfill, conservation groups succeeded in having the State designate 375 acres of marshland as a wildlife refuge. The Thomas Pell Wildlife Refuge was created in 1967.

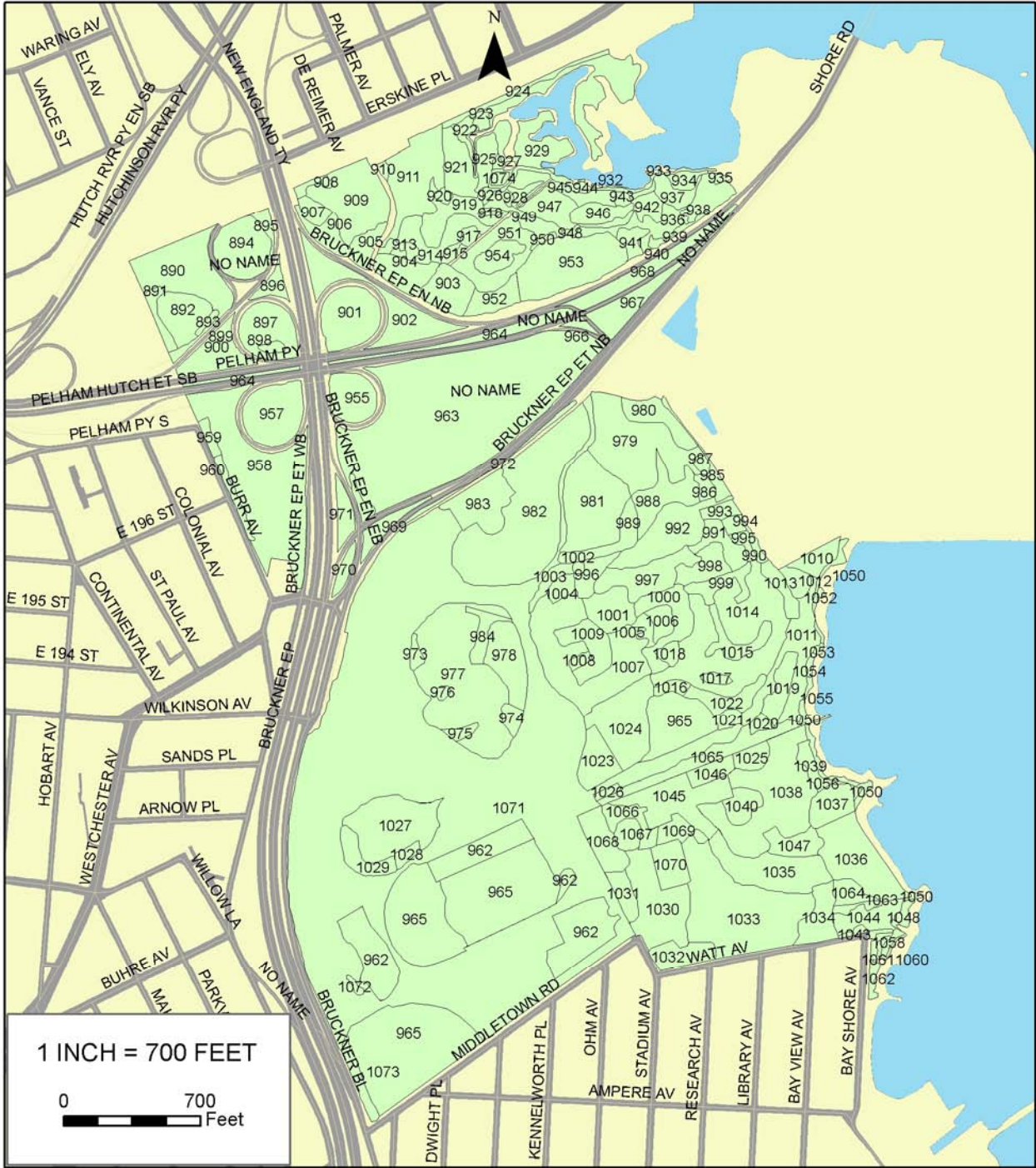
In 1921 the American Legion planted rows of trees along the Bronx's Grand Concourse, each with a bronze plaque, to a soldier, who gave their life in service during World War I. In 1928 when the boulevard was widened and the subway built underneath, these trees were removed. At the behest of several veterans groups, the trees were consolidated into a Memorial Grove between Baychester Avenue and Shore Road. The grove is part of the Bronx Victory Memorial that was erected in 1932 and dedicated in 1993. It includes a landscaped plaza and a raised paved terrace in which stands a massive limestone pedestal with sculptural reliefs. At the center of the pedestal, a Corinthian column is surmounted by a gilded bronze victory figure.

To facilitate the protection, management and restoration of Pelham Bay 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 Pelham Bay 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.



**ENTITATION UNITS - OCTOBER 2007
 PELHAM BAY PARK
 BRONX COUNTY, CITY OF NEW YORK**

01/09/2008

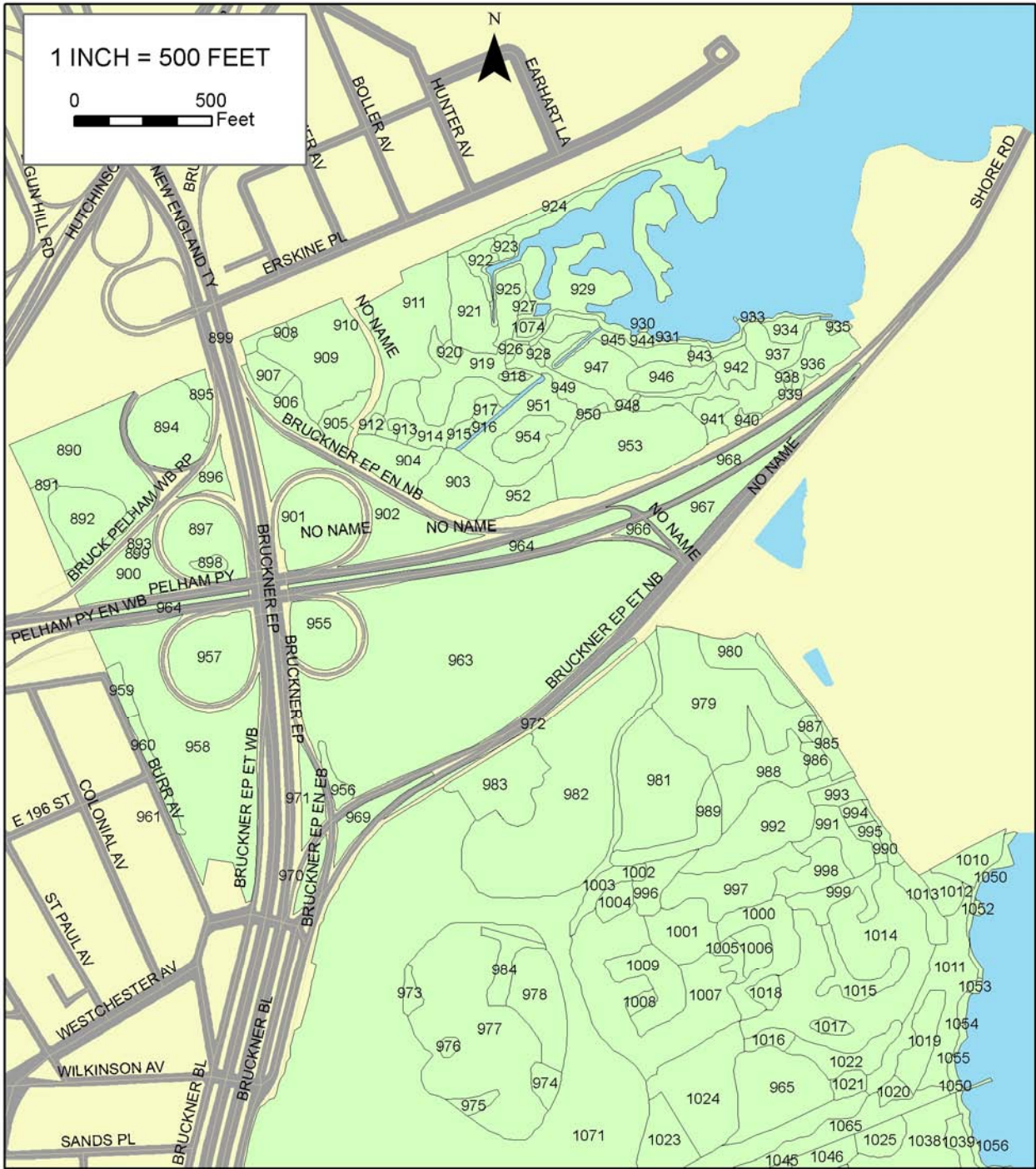


**City of New York
 Parks & Recreation
 Natural Resources Group**

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 April Bisner, Project Associate
 Joshua Nakash, Inventory Monitoring Technician
www.nyc.gov/parks

2008.01.09.01



**ENTITATION UNITS - OCTOBER 2007
 PELHAM BAY PARK
 BRONX COUNTY, CITY OF NEW YORK**

02/07/2008



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1 INCH = 500 FEET

0 500 Feet

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2008.02.08.01

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 890
Acreage: 2.86
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5'	yes			Trash
Deciduous	Cottonwood, Eastern	>30' & 5-30'	no			
Hemicryptophytes	Mulberry, white	5'-30'	yes			
Level	Ailanthus	5'-30'	yes			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			
	Oriental bittersweet	<5' & 5-30'	yes			

Comments:

This unit is an herbaceous community with some trees, sumacs, and viney areas. It is bordered by railroad tracks, and an old highway ramp which is no longer in use. Other species present include: royal Pauwlonia, Ailanthus, smooth sumac, staghorn sumac, white mulberry, Japanese knotweed, milkweed, evening primrose, Queen Anne's lace, daisy fleabane, smartweed, ragweed, and goldenrod. MC: because of invasive vines such as porcelainberry and Oriental bittersweet.

Unit: 891
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>Disturbances</u>
Closed Forest	Cottonwood, Eastern	>30' & 5-30'	no			
Deciduous	Phragmites	<5' & 5-30'	yes			
Geophytes						
Level						
Dry/Moist						

Comments:

This is a cottonwood forest on the edge of a Phragmites unit. Phragmites is the dominant ground vegetation. Other species present include: white mulberry, black locust, white snakeroot, and garlic mustard.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 892
Acreage: 1.21
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Geophytes Level Moist	Phragmites	<5' & 5-30'	yes			

Comments:

This is a large unit of Phragmites that surrounds a pond. It is bordered by a line of trees and a cottonwood forest. Other species present include: Ailanthus, porcelainberry, mugwort, and spotted knapweed. MC: Phragmites is an invasive species.

Unit: 893
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>Disturbances</u>
Closed Forest Deciduous Hemicryptophytes Slope Dry/Moist	Ailanthus Oak, red Spruce, blue	<5' & 5-30' 5'-30' 5'-30'	yes no yes			Trash

Comments:

This unit is a line of trees bordering mugwort, Phragmites, and an exit ramp from I-95. There is a lot of vegetation underneath the canopy. Vines are growing on some of the trees. Other species present include: crab apple, Oriental bittersweet, poison ivy, porcelainberry, white snakeroot, Phragmites, and mugwort.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 894
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>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes			
Deciduous	Foxtail	<5'	yes			
Hemicryptophytes						
Knoll						
Dry/Moist						

Comments:

This unit is located next to an exit ramp from I-95 and railroad tracks. This is a grassy unit that was formerly a paved area. Other species present include: a very small amount of mugwort.

Unit: 895
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>Disturbances</u>
Woodland	Callery Pear	5'-30'	yes			
Deciduous	Ailanthus	<5' & 5-30'	yes			
Hemicryptophytes	Mugwort	<5'	yes			
Slope						
Dry/Moist						

Comments:

This unit is located at the edge of an herbaceous community next to I-95. Other species present include: Chinese scholar tree, black locust, Autumn olive, a cottonwood sapling, staghorn sumac, dogbane, horseweed, and goldenrod.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 896
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>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes	Fire Hydrant	Vehicle access	Soil compaction
Deciduous	poplar, black	5'-30'	yes			Dumping
Hemicryptophytes						Trash
Level						
Dry/Moist						

Comments:

This unit is located between two exit ramps and I-95. It is mostly an herbaceous community dominated by CSG. One shrub and two trees are within the unit. Compacted bare soil where vehicles have driven is within the center of the unit. Other species present include: red clover, Japanese hops, foxtail, pokeweed and a little mugwort. A fire hydrant is present within the unit.

Unit: 897
Acreage: 1.51
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Vehicle access	
Deciduous	Pine, Austrian	5'-30'	yes			
Hemicryptophytes	Plantain, common	<5'	no			
Slope	Olive, autumn	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit surrounds a swampy, oak / Phragmites unit. It is a mowed lawn with a few trees. Austrian pines are being choked by wires used to support them when they were planted. (MC). Vehicle tracks run through the unit. Other species present include: white mulberry, Chinese elm with lots of predation holes, bindweed, chicory, milkweed, mugwort, red clover, and dandelion. A red building with Danger/ High voltage signs on it is within the unit.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 898
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>Disturbances</u>
Woodland	Oak, pin	5'-30'	no			
Deciduous	Phragmites	<5' & 5-30'	yes			
Geophytes	Grass spp.	<5'				
Level						
Wet						

Comments:

This unit is a wet area located within an I-95 ramp. Phragmites in standing water is present in the interior of the unit. Three dead pin oaks are within the Phragmites. Three live pin oaks are located just outside of the Phragmites / wet area. Other species present include: bittersweet nightshade, cattail, purple loosestrife, milkweed, and spotted knapweed. MC: Phragmites is an invasive species.

Unit: 899
Acreage: 0.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			
Deciduous						
Geophytes						
Slope						
Dry/Moist						

Comments:

This is a small unit of Phragmites located near an entrance ramp to I-95 from Pelham Parkway West. MC: Phragmites is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 900
Acreage: 1.21
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Grass spp.	<5'			Foot traffic	
Deciduous	Knapweed, spotted	<5'	yes			
Hemicryptophytes	Golden raintree	5'-30'	yes			
Level						
Dry/Moist						

Comments:

This is an herbaceous community with a few trees. It was most likely landscaped in the past but is currently not mowed. It is bordered by Pelham Parkway West and two exit ramps from I-95. Other species present include: shagbark hickory, pin oak, swamp white oak, Callery pear, wineberry, chicory, purple loosestrife, milkweed, Queen Anne's lace, goldenrod, dock, and red clover. A construction sign is lying next to a path that runs through this unit. MC: purple loosestrife is an invasive species.

Unit: 901
Acreage: 1.85
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Foot traffic	Trash
Deciduous	Golden raintree	<5' & 5-30'	yes			
Hemicryptophytes	Callery pear	5'-30'	yes			
Level	Olive, autumn	5'-30'	yes			
Dry/Moist						

Comments:

This is a landscaped area with a few trees. It is bordered by an exit ramp from I-95 to Pelham Parkway. Patches of Japanese knotweed (~8") and mugwort (~8") are present. Other species present include: red oak, white mulberry, bittersweet nightshade, garlic mustard, dock, red clover, plantain, and lamb's quarters. Starlings were observed.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 902
Acreage: 2.2
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Foot traffic	
Deciduous	Oak, pin	>30' & 5-30'	no			
Hemicryptophytes	Oak, red	>30' & 5-30'	no			
Level						
Dry/Moist						

Comments:

This is a managed lawn with planted trees. It is bordered by Shore Road and two ramps, which access I-95. Other species present include: Ginkgo, white oak, shagbark hickory, black cherry, green ash, white mulberry, Ailanthus, red maple, golden raintree, Callery pear, sweetgum, swamp white oak, Norway maple, privet, raspberry, bittersweet nightshade, Oriental bittersweet, Virginia creeper, poison ivy, white wood aster, common plantain, timothy, mugwort, chicory, red clover, and dandelion.

Unit: 903
Acreage: 1.08
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sassafras	all	no		Sports	Trash
Deciduous	Cherry, black	all	no			
Hemicryptophytes	Hickory, pignut	all	no			
Level	Aster, white wood	<5'	no			
Dry	Ivy, poison	<5'	no			

Comments:

This unit is a sassafras/ black cherry/ pignut hickory forest with white wood aster in the herbaceous layer. It is bordered by an entrance ramp to I-95. Other species present include: mockernut hickory, bitternut hickory, white mulberry, red maple, white oak, red oak, sweetgum, pin oak, green ash, European buckthorn, multiflora rose, Japanese honeysuckle, cat briar, Oriental bittersweet, Virginia creeper, English ivy, garlic mustard, false Solomon's seal, Japanese knotweed, raspberry, Pyrola rotundifolia, and aster sp. On the edge Ailanthus, forsythia, porcelainberry, and mugwort are present.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 904
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>Disturbances</u>
Closed Forest	Oak, pin	>30' & 5-30'	no		Foot traffic	Dumping
Deciduous	Red maple	all	no		Vagabond	Trash
Lianas	Sweetgum	>30' & 5-30'	no			
Level	Ash, green	<5' & 5-30'	no			
Dry/Moist	Ivy, poison	<5'	no			

Comments:

This unit is dominated by pin oaks with a mix of red maple and sweet gum. Poison ivy is the dominant species in the herbaceous layer. A couch is in the unit. The unit is located by an entrance ramp to I-95 N. Other species present include: red oak, white mulberry, black cherry, American elm, Kentucky coffee tree, crab apple, buckthorn, privet, Amur honeysuckle, multiflora rose, Arrowwood, Virginia creeper, porcelainberry, bittersweet nightshade, grape, Japanese honeysuckle, jewelweed, enchanter's nightshade, Japanese knotweed, and sensitive fern. Black locust and golden raintree are located on the outer edge of this unit. A rock lined waterway is within the unit. MC: because of vagabond, dumping, and trash.

Unit: 905
Acreage: 0.52
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, pin	5'-30'	no			
Deciduous	Cherry, black	<5' & 5-30'	no			
Lianas	Mugwort	<5'	yes			
Slope	Oriental bittersweet	<5' & 5-30'	yes			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			

Comments:

This unit is a closed forest that crosses a former highway ramp, which is now overgrown. Other species present include: crab apple, white mulberry, Autumn olive, Norway maple, Ailanthus, white pine (4), river birch, bitternut hickory sapling, Japanese knotweed and poison ivy. MC: because of invasive vines.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 906
Acreage: 0.65
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Foot traffic	Trash
Deciduous	Plantain, common	<5'	no			
Hemicryptophytes	Bedstraw	<5'	no			
Slope						
Dry/Moist						

Comments:

This is an herbaceous community with a few trees and shrubs. It is bordered on one side by an entrance ramp to I-95. Other species present include: Ailanthus, Autumn olive, ginkgo, white mulberry with a patch of multiflora rose growing over it, red oak with Oriental bittersweet growing on it, Amur honeysuckle, a small patch of Japanese knotweed, Virginia creeper, porcelainberry, mugwort, spotted knapweed, and milkweed.

Unit: 907
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>Disturbances</u>
Closed Forest	Ailanthus	<5' & 5-30'	yes			Dumping
Deciduous	Mulberry, white	5'-30'	yes			Trash
Hemicryptophytes	Mugwort	<5'	yes			
Slope	Knotweed, Japanese	<5' & 5-30'	yes			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			

Comments:

This unit is a closed forest with vines and Japanese knotweed mixed in. It is located next to I-95. Other species present include: Norway maple, Austrian pine, pin oak, American elm, honey locust, smooth sumac, bindweed, poison ivy, white snakeroot, and goldenrod. MC: invasives.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 908
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>Disturbances</u>
Closed Forest	Ailanthus	5'-30'	yes			
Deciduous	Cottonwood, Eastern	>30' & 5-30'	no			
Lianas	Oriental bittersweet	<5' & 5-30'	yes			
Level	Knotweed, Japanese	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is located next to a bridge and railroad tracks. Other species present include: porcelainberry, white snakeroot, Phragmites, and mugwort. MC: because of invasive species such as Ailanthus, Oriental bittersweet, Japanese knotweed, etc.

Unit: 909
Acreage: 2.42
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			Trash
Deciduous	Porcelain berry	<5' & 5-30'	yes			
Geophytes						
Level						
Dry/Moist						

Comments:

This is a large unit that consists of an equal mix of Phragmites and porcelainberry. It is bordered by railroad tracks and a former highway ramp. Other species present include: Ailanthus, black locust, weeping willow, white mulberry, goldenrod, mugwort, milkweed, and jewelweed. MC: Phragmites and porcelainberry are both invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 910
Acreage: 0.09
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland Deciduous Lianas Level Dry/Moist	Porcelain berry	<5' & 5-30'	yes			Trash

Comments:

This unit is a porcelainberry vineland bordered by a closed forest, a former highway ramp, and a fence that borders the railroad tracks. Other species present include: Ailanthus, Japanese knotweed, bittersweet nightshade, Phragmites, mugwort, and Asiatic dayflower. MC: Porcelainberry is an invasive species.

Unit: 911
Acreage: 2.36
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest Deciduous Phanerophytes Level Dry/Moist	Oak, pin Hickory, pignut Sassafras Cherry, black Hickory, bitternut	>30' & 5-30' all all all all	no no no no no			Dumping Trash

Comments:

This unit is bordered by a highway ramp that is no longer in use. Other species present include: crabapple, black locust, Ailanthus, sycamore maple, walnut, red maple, sweet gum, green ash, multiflora rose, arrowwood, nannyberry, raspberry, Japanese knotweed, porcelainberry, poison ivy, Virginia creeper, Japanese honeysuckle, Oriental bittersweet, mugwort, clearweed, jewelweed, white snakeroot, mallow, burdock, false nettle, vervain, Asiatic dayflower, aster sp., garlic mustard, Virginia knotweed, pokeweed, enchanter's nightshade, and white avens. MC: lots of dumped tires and car doors.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 912
Acreage: 0.1
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Phragmites	<5' & 5-30'	yes			
Lianas	Jewelweed	<5'	no			
Level						
Moist						

Comments:

This unit is a vineland of porcelainberry with Phragmites and jewelweed as well as a few trees. Other species present include: black cherry, pin oak, multiflora rose, Japanese knotweed, multiflora rose, and mugwort. This unit is bordered in part by a former highway ramp. MC: Porcelainberry and Phragmites are invasive species.

Unit: 913
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>Disturbances</u>
Closed Forest	Oak, pin	5'-30'	no			
Deciduous	Red maple	5'-30'	no			
Lianas	Ivy, poison	<5'	no			
Level	Phragmites	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is a clearing in Phragmites with poison ivy under the trees. Phragmites is under part of the canopy. Other species present include: buckthorn, swamp white oak, American elm, green ash, white mulberry saplings, Virginia creeper, porcelainberry, sensitive fern, and water horehound.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 914
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>Disturbances</u>
Herbaceous Deciduous Geophytes Level Moist	Phragmites	<5' & 5-30'	yes			

Comments:

This unit is Phragmites bordered by a closed pin oak forest and vinelands. Other species present include: jewelweed. MC: Phragmites is an invasive species.

Unit: 915
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>Disturbances</u>
Vineland Deciduous Lianas Level Dry/Moist	Porcelain berry Phragmites	<5' & 5-30' <5' & 5-30'	yes yes			

Comments:

This is a vineland of porcelainberry with Phragmites poking through the vines in spots. It is located next to pin oak unit 916 and a rock lined waterway. Other species present include: pin oak, buckthorn, poison ivy, jewelweed, white avens, goldenrod, sedge spp., and water horehound.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 916
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>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Mugwort	<5' & 5-30'	yes			

Comments:

This is a mugwort field located next to a rock lined water way. Other species present include: Ailanthus (1), porcelainberry, and pin oak saplings. Marsh elder and Phragmites are located along the edge of the waterway.

Unit: 917
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>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Mugwort Ailanthus Pokeweed	<5' 5'-30' <5'	yes yes no	Fence		Dumping Trash

Comments:

This unit is an herbaceous community of mugwort with Ailanthus. Pokeweed is scattered throughout the unit. The unit is located next to a rock lined waterway. Other species present include some fenced in mulberries with porcelainberry and Phragmites. Also, garlic mustard is present. MC: trash, dumping, and invasives such as Ailanthus, porcelainberry, Phragmites, garlic mustard, etc.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 918
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>Disturbances</u>
Closed Forest	Ailanthus	<5' & 5-30'	yes			Fire
Deciduous	Porcelain berry	<5' & 5-30'	yes			Trash
Lianas	Mugwort	<5' & 5-30'	yes			
Knoll						
Dry/Moist						

Comments:

This is a closed forest of Ailanthus with porcelainberry vines under and on the trees. Mugwort is mixed in with the vines. This unit is growing on top of and next to a pile of cut trees that form a knoll. There is some charred wood in this area. Other species present include: white mulberry, two cottonwoods, smooth sumac, poison ivy, Virginia creeper, and evening primrose. MC: because of fire, trash, and invasive Ailanthus and porcelainberry.

Unit: 919
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>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes		Foot traffic	Dumping
Deciduous	Porcelain berry	<5' & 5-30'	yes			Trash
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a patchwork of mugwort and porcelainberry. A large white mulberry is covered by the vines and has garlic mustard, porcelainberry, white snakeroot, and Japanese knotweed growing beneath it. Other species present include: Ailanthus, cottonwood, smooth sumac, poison ivy, Phragmites, sweet clover along an old foot path, pokeweed, goldenrod, and Eupatorium. MC: dumping, trash, and invasive porcelainberry.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 920
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>Disturbances</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes			Fire

Comments:

This is a patch of Japanese knotweed located next to a white mulberry that is covered with porcelainberry, on the west side of the park. A melted tire suggests fire. MC: Japanese knotweed is an invasive species.

Unit: 921
Acreage: 1.03
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Phragmites	<5' & 5-30'	yes			

Comments:

This unit is dominated by Phragmites. MC: Phragmites is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 922
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>Disturbances</u>
Intertidal	Marsh elder	<5'	no			Trash
Deciduous	Phragmites	<5' & 5-30'	yes			
Chamaephytes	Spike grass	<5'	no			
Level						
Surface water						

Comments:

This unit is a mix of marsh elder and Phragmites with spike grass. Other species present include: glasswort.

Unit: 923
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>Disturbances</u>
Intertidal	Spike grass	<5'	no			
Deciduous	Spartina alterniflora	<5'	no			
Hemipterophytes						
Level						
Surface water						

Comments:

This unit is spike grass with Spartina alterniflora peppered throughout. Other species present include: Phragmites, Marsh elder, and Spartina patens.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 924
Acreage: 0.5
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Ailanthus	5'-30'	yes			
Deciduous	Phragmites	<5' & 5-30'	yes			
Geophytes						
Slope						
Dry/Moist						

Comments:

This is a woodland that is partially bordered by railroad tracks. It is predominantly Ailanthus with Phragmites. Other species present include: smooth sumac, groundsel bush, and black locust.

Unit: 925
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>Disturbances</u>
Intertidal	Spike grass	<5'	no			Trash
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This is a large patch of spike grass with glasswort peppered throughout. Other species present include: marsh elder, Spartina alterniflora, Spartina patens, and orach. Horseshoe crab shells are present.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 926
Acreage: 0.09
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scrub	Groundsel bush	<5' & 5-30'	no			Trash
Deciduous	Marsh elder	<5'	yes			
Chamaephytes	Mugwort	<5' & 5-30'	yes			
Level	Goldenrod	<5'	no			
Dry/Moist						

Comments:

This unit is a scrub of groundsel bush and marsh elder with mugwort and goldenrod throughout the unit. It is located next to a mudflat. Other species present include: Ailanthus. MC: trash and invasive Ailanthus.

Unit: 927
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>Disturbances</u>
Scrub	Marsh Elder	<5'	no			
Deciduous						
Chamaephytes						
Level						
Dry/Moist						

Comments:

This unit is predominantly marsh elder. It is located next to a mudflat. Other species present include: groundsel bush, spike grass and Spartina alterniflora. Other species present include: sea lavender, goldenrod, and Southern sea-blite.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 928
Acreage: 0.08
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Ailanthus	5'-30'	yes			Fire
Deciduous	Mugwort	<5' & 5-30'	yes			Dumping
Hemicryptophytes						Trash
Knoll						
Dry/Moist						

Comments:

This unit is a closed forest of Ailanthus with mugwort and garlic mustard underneath. This is a rocky knoll. Other species present include: a large white mulberry, lamb's quarters, sweet clover, wood sorrel, and Asparagus officinalis. MC: tires, trash, and invasive Ailanthus and garlic mustard.

Unit: 929
Acreage: 3.81
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal	Spartina Alterniflora	<5'	no			
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is a mix of Spartina alterniflora and spike grass. Some Spartina patens and glasswort are present. Other species present include: sea lavender, marsh elder and Phragmites.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 930
Acreage: 0.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Intertidal	Spartina Alterniflora	<5'	no			Trash

Comments:

This unit is Spartina Alterniflora growing around the salt marsh. Other species present include: glasswort and spike grass. MC: trash

Unit: 931
Acreage: 0.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Intertidal	Spartina Alterniflora	<5'	no			Trash

Comments:

This unit is Spartina Alterniflora growing around the salt marsh. Other species present include: glasswort and spike grass. MC: trash

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 932
Acreage: 0.01
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Intertidal	Spartina Alterniflora	<5'	no			Trash

Comments:

This unit is Spartina Alterniflora growing around the salt marsh. Other species present include: glasswort and spike grass. MC: trash

Unit: 933
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>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Intertidal	Spartina Alterniflora	<5'	no			Trash

Comments:

This unit is Spartina Alterniflora growing around the salt marsh. Other species present include: glasswort and spike grass. MC: trash

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 934
Acreage: 0.3
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scrub	Marsh elder	<5'	no			Trash
Deciduous	Sea lavender	<5'	no			
Chamaephytes						
Slope						
Dry/Moist						

Comments:

This unit is marsh elder along the rocky coast of the salt marsh. Other species present include: poison ivy, mallow, orach, Phragmites, and Suaedis linnaris. MC: trash

Unit: 935
Acreage: 0.07
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Mulberry, white	5'-30'	yes		Vagabond	Trash
Deciduous	Mugwort	<5'	yes			
Chamaephytes						
Level						
Dry/Moist						

Comments:

This unit is a small closed forest of mulberry. The ground is very rocky. Pheasant feathers are strewn about and there is a dead chicken in a box. This unit is located next to the salt marsh and a concrete area that leads to Shore Road. Other species present include: black cherry, Amur honeysuckle, Japanese honeysuckle, smooth sumac, poison ivy, and goldenrod. MC: vagabond.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 936
Acreage: 1.66
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes		Foot traffic	Trash
Deciduous	Goldenrod	<5' & 5-30'	yes			
Hemicryptophytes	Grass spp.	<5'				
Level						
Dry/Moist						

Comments:

This unit is an herbaceous community dominated by mugwort, goldenrod, and a grass sp. It is bordered, in part, by Shore Road. A few trees are present as well as some patches of vines. Other species present include: white pine, black cherry, black locust, Ailanthus, white mulberry, a pin oak, fly honeysuckle, smooth sumac, raspberry, multiflora rose porcelainberry, poison ivy, Oriental bittersweet, Japanese knotweed, dogbane, sweet clover, seaside goldenrod, Artemesia biennis, moss, Phragmites, English plantain, mullein, and yarrow.

Unit: 937
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>Disturbances</u>
Scrub	Groundsel bush	<5' & 5-30'	no			
Deciduous	Phragmites	<5' & 5-30'	yes			
Chamaephytes	Mugwort	<5'	yes			
Level	Porcelain berry	<5'	yes			
Dry/Moist	Goldenrod	<5'	no			
	poison ivy	<5'	no			

Comments:

This unit is a scrub of the above species. A pole for heron nesting is within the unit. Other species present include: black locust, buckthorn, white mulberry, Ailanthus, smooth sumac, Oriental bittersweet, raspberry, yarrow, and grass sp. MC: Porcelainberry is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 938
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>Disturbances</u>
Closed Forest Evergreen Hemicryptophytes Level Dry/Moist	Pine, white Mugwort	5'-30' <5'	no yes		Vagabond	

Comments:

This is a small closed forest of white pine with mugwort and porcelainberry surrounding the trees. A small amount of poison ivy is growing under the trees. Other species present include: crabapple, groundsel bush, an oak sapling, goldenrod and late Eupatorium. A black capped chickadee and a yellow throat were observed. MC: because of invasives and vagabond.

Unit: 939
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>Disturbances</u>
Vineland Deciduous Lianas Level Dry/Moist	Porcelain berry Mugwort	<5' & 5-30' <5'	yes yes	Fence		

Comments:

This unit is a porcelainberry vineland growing over mugwort, poison ivy, smooth sumac, Ailanthus and black cherry. It runs along a fence that borders Shore Road. Other species present include: Oriental bittersweet and goldenrod. MC: Porcelainberry is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 940
Acreage: 0.08
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, pin	5'-30'	no			Trash
Mixed	Pine, white	5'-30'	no			
Hemicryptophytes	Cherry, black	<5' & 5-30'	no			
Level	Mugwort	<5' & 5-30'	yes			
Dry/Moist	Oriental bittersweet	<5' & 5-30'	yes			

Comments:

This unit is a closed forest of the above species with vines growing on it. There is a fence located next to the unit along Shore Road. Other species present include: crab apple, Amur honeysuckle, raspberry, multiflora rose, porcelainberry, poison ivy, garlic mustard, and Phragmites. MC: because of invasive species such as Oriental bittersweet and porcelainberry.

Unit: 941
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>Disturbances</u>
Vineland	Oriental bittersweet	<5' & 5-30'	yes	Foundation		Dumping
Deciduous	Porcelain berry	<5' & 5-30'	yes	Fire Hydrant		Trash
Lianas	Apple, crab	5'-30'	yes			
Level	Cherry, black	5'-30'	no			
Dry/Moist	Ailanthus	5'-30'	yes			
	Ivy, poison	<5' & 5-30'	no			

Comments:

This is a vineland with trees forming a closed forest in the center. It is located next to Shore Road. Concrete is less than thirty percent of the unit. An old fire hydrant is present. Other species present include: pin oak, black locust, sycamore maple, Amur honeysuckle, Virginia creeper, mugwort, and goldenrod. MC: because of invasive vines such as Oriental bittersweet and porcelainberry.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 942
Acreage: 0.41
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Locust, black	5'-30'	yes		Vagabond	Dumping
Deciduous	Mugwort	<5' & 5-30'	yes			Trash
Hemicryptophytes	Phragmites	<5' & 5-30'	yes			
Level	Porcelain berry	<5' & 5-30'	yes			
Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes			

Comments:

This is a woodland of black locust with a mix of the above species in the understory. It is located near a pole with a bird house on it and next to a black locust forest. Other species present include: green ash, Ailanthus, honey locust, black cherry, white mulberry, smooth sumac, Amur honeysuckle, Virginia creeper, Oriental bittersweet, and goldenrod. MC: because of vagabond and invasives such as porcelainberry, Japanese knotweed, Phragmites, etc.

Unit: 943
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>Disturbances</u>
Herbaceous	Mugwort	<5'	yes			Trash
Deciduous	Sumac, smooth	<5'	no			
Hemicryptophytes	Honeysuckle sp.	<5'				
Level						
Dry/Moist						

Comments:

This unit is an herbaceous community with scattered smooth sumac and honeysuckle sp.. It is located next to a black locust forest. Other species present include: white mulberry (1), crab apple (1), smooth sumac, porcelainberry, Japanese honeysuckle, Virginia creeper, goldenrod, and mullein.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 944
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>Disturbances</u>
Scrub	Marsh elder	<5'	no			Trash
Deciduous	Sea lavender	<5'	no			
Chamaephytes						
Slope						
Dry/Moist						

Comments:

This unit is marsh elder along the rocky shore. An old bench is present. Other species present include: groundsel bush, Phragmites, poison ivy, seaside goldenrod, mugwort, orach, sea blite, and mugwort. Dead horseshoe crab found. MC: trash

Unit: 945
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>Disturbances</u>
Scrub	Groundsel bush	<5' & 5-30'	no			
Deciduous	Phragmites	<5' & 5-30'	yes			
Chamaephytes	Marsh elder	<5'	no			
Level	Grass, switch	<5'	no			
Dry/Moist						

Comments:

This unit is a scrub of the above species. It is located in-between a smooth sumac unit and a rock lined waterway with marsh elder surrounding it. Other species present include: pin oak, Eastern red cedar, smooth sumac, goldenrod, mugwort, and yarrow.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 946
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>Disturbances</u>
Closed Forest	Locust, black	<5' & 5-30'	yes			Fire
Deciduous	Locust, honey	<5' & 5-30'	yes			Dumping
Hemicryptophytes	Mugwort	<5' & 5-30'	yes			Trash
Level	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

This unit is a closed forest of the above species with smooth sumac, garlic mustard, and mugwort in the understory. There are some rocky pits within the unit. MC: Burnt wood and auto parts are present. Other species present include: white mulberry, Ailanthus, black cherry, crab apple, Amur honeysuckle, fly honeysuckle, groundsel bush, porcelainberry, Japanese honeysuckle, Oriental bittersweet, Virginia creeper, day lily, grass spp., yarrow, pokeweed, sedge sp., rough avens, sweet clover, goldenrod, seaside goldenrod, orach, Phragmites, and vervain.

Unit: 947
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>Disturbances</u>
Scrub	Sumac, smooth	<5' & 5-30'	no			Trash
Deciduous	Mugwort	<5' & 5-30'	yes			
Hemicryptophytes	Goldenrod	<5'	no			
Level						
Dry/Moist						

Comments:

This unit is a scrub of smooth sumac with mugwort and goldenrod. A few Eastern red cedars are present. It is located near a rock lined water way. An old pathway with sweet clover borders one side of the unit. Other species present include: black cherry, black locust, Ailanthus, green ash, pin oak, Northern bayberry, Oriental bittersweet, poison ivy, porcelainberry, Late eupatorium, yarrow, Phragmites, grass sp., mullein, and dogbane.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 948
Acreage: 0.07
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Crack willow	5'-30'	yes			Trash
Deciduous	Jewelweed	<5'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Level	Porcelain berry	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is a small closed forest of willow species with jewelweed and mugwort in the understory and porcelainberry climbing on one side of the forest. The crack willows have fallen over and have sprouted new growth upward from the side of their trunks. Other species present include: bitternut hickory sapling, tatarian honeysuckle, wineberry, raspberry, smooth sumac, poison ivy, garlic mustard, bindweed, Phragmites, bittersweet nightshade, and white avens. MC: because of invasive porcelainberry.

Unit: 949
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>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes		Foot traffic	
Deciduous	Goldenrod	<5' & 5-30'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is an herbaceous community of mugwort and goldenrod with a few scattered trees and shrubs as well as occasional vines. It is different from neighboring unit 946 in that porcelainberry is a dominant species in unit 946. Other species present include: Ailanthus, white mulberry, smooth sumac, porcelainberry, Phragmites, and sweet clover along a foot path.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 950
Acreage: 0.09
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Mugwort	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

This unit is a porcelainberry vineland growing over mugwort and a few trees. It is located between a closed forest and an herbaceous community. Other species present include: cottonwood, Phragmites, Ailanthus, Sassafras, and jewelweed. MC: porcelainberry is an invasive species.

Unit: 951
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>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			Trash
Deciduous	Rose mallow, swamp	<5'	no			
Geophytes						
Level						
Dry/Moist						

Comments:

This is a circular unit of Phragmites that surrounds an intertidal pond. It is located next to a closed forest, a vineland, and a rock lined waterway. Other species present include: poison ivy, porcelainberry, and fern sp. (on the side closest to the forest). On the side closest to the waterway there is white mulberry, pin oak saplings, blackberry, smooth sumac, buckthorn, Oriental bittersweet, mugwort, orach, and goldenrod. There is a lot of bird activity here. We observed herons, mallards, and a yellow leg.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 952
Acreage: 0.72
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Red maple	all	no			Trash
Deciduous	Sweetgum	all	no			
Phanerophytes	Ash, green	all	no			
Level	Oak, pin	>30' & 5-30'	no			
Dry/Moist						

Comments:

This unit is a closed forest dominated by the species listed above. It is partially bordered by Shore Road. Other species present include: ironwood, swamp white oak, red oak, bitternut hickory, sassafras, American elm, arrowwood, Amur honeysuckle, winterberry, raspberry, Virginia creeper, Japanese honeysuckle, porcelainberry, poison ivy, lady fern, white avens, aster sp., may apple, sensitive fern, and common agrimony.

Unit: 953
Acreage: 2.96
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sassafras	all	no	Full-crown tree	Vagabond	Dumping
Deciduous	Hickory, bitternut	all	no			Trash
Chamaephytes	Cherry, black	all	no			
Level	Oak, red	>30'	no			
Dry/Moist						

Comments:

This unit is located next to Shore Road. Other species present include: shagbark hickory, pin oak, a full-crown white oak (>30') , pignut hickory, black oak, trembling aspen (on edge closest to parkway), sweetgum, grey birch, sweet cherry, black tupelo, multiflora rose, buckthorn, fly honeysuckle, arrowwood, red paniced dogwood, smooth sumac, raspberry, wineberry, poison ivy, grape, porcelainberry, Virginia creeper, cucumber, Oriental bittersweet, white wood aster, enchanter's nightshade, sensitive fern, violet sp., Solomon's seal, white avens, marsh fern, goldenrod, garlic mustard, jewelweed, CSG, mugwort, and Phragmites.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 954
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>Disturbances</u>
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Depression
 Surface water

Comments:

This unit is a pond surrounded by Phragmites and marsh mallow. It is located north of Shore Road on the south side of the park.

Unit: 955
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>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Foot traffic	
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Callery pear	5'-30'	yes			
Level						
Dry/Moist						

Comments:

This is a managed lawn with a few trees and shrubs. It is bordered by an entrance ramp from Pelham Parkway to I-95. A bike path runs through the unit. A shopping cart was found hidden under a tree. Possible use by vagabonds. (MC) Other species present include: porcelainberry, milkweed, chicory, common plantain, red clover, dandelion and evening primrose.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 956
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>Disturbances</u>
Woodland	Ailanthus	<5' & 5-30'	yes			
Deciduous	Knapweed, spotted	<5'	yes			
Hemicryptophytes	Porcelain berry	<5' & 5-30'	yes			
Slope	Oriental bittersweet	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is the edge of a landscaped area located next to a ramp from Pelham Parkway West to I-95. The area has a few trees surrounded by knapweed in parts and covered with vines in other parts. Other species present include: red oak, hackberry, Norway maple, green ash, crab apple, Chinese scholar tree, wineberry, Virginia creeper, Japanese honeysuckle, garlic mustard, horseweed, dogbane, mugwort, goldenrod, and Queen Anne's lace. A shopping cart was found under a tree. Possible vagabond activity.

Unit: 957
Acreage: 1.89
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Foot traffic	
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Clover, sweet white	<5'	yes			
Level	Golden raintree	5'-30'	yes			
Dry/Moist	Callery pear	5'-30'	yes			

Comments:

This is a managed lawn with trees. It is bordered by an exit ramp from I-95 to Shore Road. A bike path runs through the unit. A garbage bag was found hidden under privet next to a drainage area. Possible vagabond activity. Other species present include: Ailanthus, pin oak, red pine, black oak, privet, dock, and plantain.

Pelham Bay Entititation Unit Descriptions, Surveyed 2007

Unit: 958
Acreage: 6.06
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes	Hedgerow	Foot traffic	Trash
Deciduous	Oak, pin	5'-30'	no			
Hemicryptophytes	Callery pear	5'-30'	yes			
Level						
Dry/Moist						

Comments:

This unit is a managed lawn with trees. It is bordered by Pelham Parkway East, and two exit ramps from I-95. A paved pathway, street lamps, and a drainage ditch are within the unit. Other species present include: silver maple, Kwanzan cherry, white mulberry, red oak, crab apple, Chinese scholar tree, hawthorn sp., golden rain tree, cottonwood, American elm, hackberry, rose-of-Sharon, and plantain.

Unit: 959
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>Disturbances</u>
Closed Forest	Ash, white	5'-30'	no			
Deciduous	Knotweed, Japanese	<5'	yes			
Geophytes						
Slope						
Dry/Moist						

Comments:

This unit is a closed forest located on a slope at the edge of landscaped unit 958. Other species present include: white mulberry, black cherry, American elm, Norway maple, and poison ivy. MC: Japanese knotweed is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 960
Acreage: 0.2
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Elm, American	<5' & 5-30'	no			Trash
Deciduous	Mulberry, white	<5' & 5-30'	yes			
Hemicryptophytes	Norway maple	<5' & 5-30'	yes			
Slope	Mugwort	<5'	yes			
Dry/Moist						

Comments:

This unit is a closed forest on the edge of landscaped unit 958. Other species present include: green ash, black cherry, hawthorn sp., Ailanthus, wineberry, black jetbead, rose-of-Sharon, multiflora rose, poison ivy, porcelainberry, evening primrose, and garlic mustard. A severely damaged hawthorn with holes in it is present.

Unit: 961
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>Disturbances</u>
Closed Forest	Mulberry, white	5'-30'	yes			Trash
Deciduous	Callery pear	5'-30'	yes			
Hemicryptophytes						
Slope						
Dry/Moist						

Comments:

This unit is a forested area on the edge of landscaped unit 958. Other species present include: mimosa, flowering dogwood, rose-of-Sharon, Japanese knotweed, porcelainberry, daisy fleabane, common nightshade, mugwort, burdock, and ragweed. This unit is bordered by Burr Street.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 962
Acreage: 5.12
Mgmt. Concern: No

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

Comments:

This unit includes all paved recreational areas and parking lots. In the bocce court and playground area there are planted pin oak, London planetree, and American sycamore. On the fence there is Virginia creeper, yam leaved clematis, wisteria, and trumpet creeper. There are a few ornamental plantings with fenced in planters. Other species present include: English holly, flowering dogwood, Callery pear, Rhododendron, English ivy, and hostas. In the Sweetgum playground there are 2 large sweetgums, black tupelo, and Kwanzan cherry. In the parking lot there are trees in planters including Callery pears and Norway maples.

Unit: 963
Acreage: 15.15
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes	Hedgerow	Foot traffic	
Deciduous	Linden	<5' & 5-30'	no			
Hemicryptophytes	Oak, red	<5' & 5-30'	no			
Level	Sweetgum	<5' & 5-30'	no			
Dry/Moist						

Comments:

This unit is a landscaped area with hedgerows of various species. It is bordered by Shore Road and an exit ramp from I-95 to Shore Road. Hedgerow species include: redwood, tulip poplar, pin oak, honey locust, linden, red oak, sweetgum and willow oak. A call box, street lamps, fire hydrant, drinking water sampling station, and man hole are present within the unit. There are holes in dead oaks and a few dying linden trees.

Pelham Bay Entitaton Unit Descriptions, Surveyed 2007

Unit: 964
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>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass	<5'	yes			

Comments:

This unit is a traffic island that is dominated by csg with trees. It is located in between north and south bound Pelham Parkway. Gravel and bare soil are present in spots. Other species present include: common plantain, dandelion, red oak, pin oak, cherry sp., mugwort, and grass sp. Tire tracks cross the unit. Street lamps and a manhole are present.

Unit: 965
Acreage: 15.13
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass	<5'	yes		Sports Foot traffic	

Comments:

This unit is all sports fields, including baseball fields and a track with statue and pine trees. Monk parrots are nesting in some of the lighting fixtures.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 966
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>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes		Telephone pole	
Deciduous	Plantain, English	<5'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a small traffic island next to Shore Road. It is dominated by CSG with English plantain. Traffic signs, a street light, a sewer grate, and a telephone pole are within the unit.

Unit: 967
Acreage: 1.2
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes	Hedgerow	Vehicle access	
Deciduous	Pear, Callery	5'-30'	yes	Telephone pole		
Hemicryptophytes				Fire Hydrant		
Level						
Dry/Moist						

Comments:

This unit is a traffic island bordered by Shore Road. It is located across the street from the landfill. This is a mowed area with a few trees. Other species present include: English plantain, red oak, and sweetgum. Lots of goose scat is present. There are ruts in the dirt from vehicles crossing the island. A drinking water sampling station and a NYC electrical box are present.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 968
Acreage: 1.25
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass	<5'	yes		Street light	

Comments:

This unit is a traffic island with mowed grass and a few trees. It is located along Shore Road. Other species present include: one red oak, two pin oaks, English plantain and Callery pear. Lots of goose scat is present.

Unit: 969
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>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Slope Dry/Moist	Cool season grass multiflora rose Honeysuckle, Japanese	<5' <5' <5'	yes yes yes		street lamp	

Comments:

This unit is a traffic island that is located by an I-95 exit ramp. Multiflora rose and vines are clustered around a white mulberry near the over pass. CSG is located down slope.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 970
Acreage: 0.3
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Linden	5'-30'	no			
Deciduous	Locust, honey	5'-30'	yes			
Hemicryptophytes	Hawthorn	5'-30'	yes			
Slope	Mugwort	<5'	yes			
Dry/Moist	Grass spp.	<5'	yes			

Comments:

This unit is a woodland located on a rocky slope. It is bordered by i-95 and an off ramp. Two concrete circles are located within the unit. Other species present include: common plantain.

Unit: 971
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>Disturbances</u>
Herbaceous	Redbud	<5' & 5-30'	yes			
Deciduous	Cool season grass	<5'	yes			
Hemicryptophytes	Cherry, black	5'-30'	no			
Knoll	Locust, honey	5'-30'	yes			
Dry/Moist						

Comments:

This is a small traffic island that is bordered by I-95 N. This is CSG with planted red buds and a few black cherry and black locust. Other species present include: mugwort, and a Japanese pagoda tree. A large rock is located at the north end of the unit. Birds' nests are in several of the young trees.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 972
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>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	CSG	<5'	yes			

Comments:

This is a strip of grass between the ramp that leads to Shore Road from I-95 and the bike trail.

Unit: 973
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>Disturbances</u>
Vineland Deciduous Lianas Level Dry/Moist	Porcelain berry	<5' & 5-30'	yes			

Comments:

This unit is a vineland that is growing over low growing herbaceous species and has climbed some shrubs and trees on its' edges. It is located next to the North Picnic area. Other species present include: black cherry, red maple, sweetgum, blackberry, multiflora rose, foxtail, milkweed, and chives. MC: Porcelainberry is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 974
Acreage: 0.3
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5'	yes			
Deciduous	Mugwort	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

This unit is a vineland located next to the South picnic area. It is growing over mugwort and has a few tulip poplars and red maple within it that have not yet been taken over by the vines. MC: Because of invasive porcelainberry and mugwort. Other species present include: pin oak, foxtail, dandelion, and pokeweed.

Unit: 975
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>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Oriental bittersweet	<5' & 5-30'	yes			
Lianas	Pokeweed	<5'	no			
Level						
Dry/Moist						

Comments:

This is a porcelainberry/ Oriental bittersweet vineland with patches of pokeweed. It is growing on top of herbaceous species and climbing the trees. It is located in between the nature center and the South picnic area next to a forest and a paved path. Other species present include: tulip poplar, black cherry, red maple, multiflora rose, Virginia creeper, and Virginia knotweed. MC: Because of invasives.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 976
Acreage: 0.1
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Multiflora rose	<5'	yes			
Lianas	Red maple	5'-30'	no			
Level						
Dry/Moist						

Comments:

This unit is porcelainberry growing over multiflora rose in the center of the unit and red maple on the edges. Other species present include: black cherry. MC: Porcelainberry and multiflora rose are invasive species.

Unit: 977
Acreage: 5.65
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Red maple	all	no			
Deciduous	Ash, green	<5' & 5-30'	no			
Chamaephytes	Oak, pin	all	no			
Level	Ivy, poison	<5'	no			
Dry/Moist	Multiflora rose	<5' & 5-30'	yes			
	Sweetgum	all	no			

Comments:

This unit is a large red maple/ green ash/ pin oak forest. A cluster of swamp white oaks is within. Other species present include: black cherry, American elm, cottonwood, white mulberry, silky dogwood, tulip poplar, crab apple, bitternut hickory, box elder, sweet cherry, American beech, Oriental bittersweet, porcelainberry, Virginia knotweed, violet sp., agrimony, and chives.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 978
Acreage: 1.45
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sweetgum	all	no			
Deciduous	Cherry, black	<5' & 5-30'	no			
Lianas	Ash, green	<5' & 5-30'	no			
Level	Tupelo, black	<5' & 5-30'	no			
Dry/Moist	Ivy, poison	<5'	no			
	Multiflora rose	<5'	yes			

Comments:

This unit is a sweetgum/ black cherry forest with a section of black tupelo and a section of tulip poplar. Green ash is scattered throughout. Poison ivy and multiflora rose dominate the understory which is patchy. Other species present include: white mulberry, pin oak, red maple, bitternut hickory, Norway maple, crabapple, black locust, tulip poplar, a large fallen American beech, common buckthorn, blackberry, Northern bush honeysuckle, arrowwood, Virginia creeper, patch of porcelainberry, Japanese honeysuckle, Oriental bittersweet, rough avens, grass sp., aster, white avens, Virginia knotweed, garlic mustard, chives, and agrimony.

Unit: 979
Acreage: 3.6
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, pin	<5' & 5-30'	no			Dumping
Deciduous	Sweetgum	all	no			
Phanerophytes	Ash, green	<5' & 5-30'	no			
Level	Cherry, black	<5' & 5-30'	no			
Dry/Moist	Norway maple	<5' & 5-30'	yes			
	Hickory, bitternut	<5' & 5-30'	no			

Comments:

This unit is a closed forest located near the landfill. It is bordered by Phragmites patches, a vineland, managed lawn, and a Norway maple dominated forest. Pin oak, sweetgum, and green ash are the most dominant species with black cherry, Norway maple, and bitternut hickory scattered throughout. In parts of the unit there is a lot of buckthorn. There is a lot of poison ivy in the herbaceous layer. Other species present include: white mulberry, silky dogwood, cottonwood, hawthorn, swamp white oak, crabapple, arrowwood, multiflora rose, wineberry, raspberry, serviceberry, Japanese knotweed, Virginia creeper, porcelainberry, Japanese honeysuckle, catbriar, pokeweed, bushy aster, mugwort, garlic mustard, jewelweed, rough avens, aster sp., Phragmites, climbing fumitory, Virginia knotweed, water horehound, wild yamroot, sensitive fern, white avens, white wood aster, dock, and Eupatorium serotinum.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 980
Acreage: 0.89
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Cottonwood, Eastern	<5' & 5-30'	no	Phone pole		
Deciduous	Phragmites	<5' & 5-30'	yes			
Geophytes	Porcelain berry	<5' & 5-30'	yes			
Level	Mugwort	<5'	yes			
Dry/Moist						

Comments:

This unit is a mix of cottonwood, Phragmites, and porcelainberry. Cottonwoods are scattered throughout the unit. Porcelainberry and Phragmites are patchy in distribution with overlapping of species in some areas. This unit is located near the entrance of the park that is located next to the landfill. A paved path borders one side. Other species present include: slippery elm, sumac, goldenrod, red clover, Queen Anne's lace, yarrow, sweet clover, path rush, dogbane, and crown vetch.

Unit: 981
Acreage: 2.92
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	all	yes	Fence		
Deciduous	Cherry, black	<5' & 5-30'	no			
Phanerophytes	Mulberry, white	<5' & 5-30'	yes			
Level	Ash, green	<5' & 5-30'	no			
Dry/Moist						

Comments:

This unit is a closed forest dominated by Norway maple. Black cherry, white mulberry, and green ash are equally dominant but less dominant than Norway maple. The unit is located next to the Norway maple memorial grove and a pin oak dominated closed forest. On the memorial side of the unit there are many planted saplings. On the pin oak side of the unit the understory is more dense. Other species present include: devil's walking stick, green ash, bitternut hickory, shagbark hickory, pin oak, red maple saplings, multiflora rose, tatarian honeysuckle, European and common buckthorn, Jet black bead, elderberry, wineberry, blackberry, poison ivy, Japanese honeysuckle, Oriental bittersweet, porcelainberry, Virginia creeper, English ivy, chive, garlic mustard, white wood aster, Solomon's seal, Virginia knotweed, violet sp., jewelweed, mugwort, lamb's quarters, and smartweed.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 982
Acreage: 6.66
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	5'-30'	yes		Foot traffic	
Deciduous	Cool season grass	<5'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is the memorial grove, which contains trees that were transplanted from the Bronx's Grand Concourse in 1928, when the boulevard was widened and the subway was built underneath. These trees were originally planted by the American Legion in 1921, each with a bronze plaque, in remembrance of a fallen soldier. The unit is predominantly Norway maple with CSG. It has paved pathways running through and around it. The unit surrounds a world war statue. Other species present include: sweetgum, green ash, flowering dogwood, pin oak, cockspur hawthorn, black cherry, sugar maple, boxwood, poison ivy, dandelion, lamb's quarters, common plantain, violet sp., smartweed, moss, grass sp., mugwort, crabgrass, and English plantain.

Unit: 983
Acreage: 1.58
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	yes	Hedgerow		
Deciduous	Boxwood	<5'	yes			
Hemicryptophytes	Ivy, English	<5'	yes			
Level						
Dry/Moist						

Comments:

This unit is the World War statue and associated CSG with ornamental plantings. Two ornamental planters and a hedgerow of boxwood are present. English ivy is located within the hedgerow. Other species present include: crab apple, a bitternut hickory sapling, poison ivy, Asiatic dayflower, and white clover.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 984
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>Disturbances</u>
Vineland	Porcelain berry	<5'	yes		Vagabond	
Deciduous	Mugwort	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

This unit is a porcelainberry vineland growing on top of mugwort and trees with a few trees that the vines are not growing on. Other species present include: tulip poplar, Ailanthus, bitternut hickory, green ash, black cherry, poison ivy, multiflora rose, blackberry, grape, Oriental bittersweet, white avens, garlic mustard, pokeweed, smartweed, spotted knapweed, and Virginia knotweed. MC: vagabond.

Unit: 985
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>Disturbances</u>
Herbaceous	Mugwort	<5'	yes		Foot traffic	
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This is a small mugwort/goldenrod field located next to the landfill fence. It is bordered by a forest, a Phragmites unit, and a vineland. A path runs through it. Other species present include: cottonwood, Ailanthus (1), pin oak saplings, groundsel bush, multiflora rose, porcelainberry, Phragmites, grass sp., yarrow, sweet clover, red clover, milkweed, Aster sp., and Queen Anne's lace.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 986
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>Disturbances</u>
Closed Forest	Oak, pin	<5' & 5-30'	no			
Deciduous	Sweetgum	5'-30'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Level						
Dry/Moist						

Comments:

This unit is a pin oak/ sweetgum forest with a few black cherries. The herbaceous layer is dominated by mugwort. It is located near the landfill and is bordered by a mugwort field and Phragmites. Other species present include: bitternut hickory saplings, blackberry, elderberry, multiflora rose, Japanese honeysuckle, goldenrod, chives, and rough avens.

Unit: 987
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>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			
Deciduous						
Geophytes						
Level						
Wet						

Comments:

This is a small Phragmites patch located within a mugwort field. It is located near the landfill. Other species present include: cattail, mugwort, and goldenrod.

Pelham Bay Entitaton Unit Descriptions, Surveyed 2007

Unit: 988
Acreage: 1.33
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes		Picnic	Trash
Deciduous	Mugwort	<5'	yes		Foot traffic	
Lianas	Multiflora rose	<5'	yes			
Level	Phragmites	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is a large porcelainberry vineland. It is climbing over mugwort, multiflora rose, Phragmites, and trees. A picnic table is located under a Norway maple in the middle of the vineland. Other species present include: green ash, American sycamore, white mulberry, elm sp., black cherry, Amur honeysuckle, smooth sumac, wineberry, raspberry, Oriental bittersweet, wild cucumber, Japanese honeysuckle, Virginia knotweed, garlic mustard, Queen Anne's lace, dogbane, English plantain, pokeweed, and dock. MC: porcelainberry is an invasive species.

Unit: 989
Acreage: 0.83
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Hickory, bitternut	<5' & 5-30'	no		Foot traffic	
Deciduous	Mulberry, white	<5' & 5-30'	yes			
Hemicryptophytes	Multiflora rose	<5'	yes			
Level	Mugwort	<5'	yes			
Dry/Moist						

Comments:

This unit is a bitternut hickory / white mulberry closed forest. It is bordered by a footpath, a mugwort field, a porcelainberry vineland, and a Norway maple forest. There is one weeping willow next to the path where the mugwort field begins, which marks one end of the unit. Other species present include: pin oak, sweetgum, American elm, Ailanthus, crabapple, black cherry, red pine, poison ivy, porcelainberry, Japanese honeysuckle, garlic mustard, white avens, and Virginia knotweed.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 990
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>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			
Deciduous	Cottonwood, Eastern	<5' & 5-30'	no			
Geophytes						
Level						
Dry/Moist						

Comments:

This unit is bordered by a vineland and a dirt path that parallels the landfill fence. Other species present include: willow sp, buckthorn, porcelainberry, mugwort, goldenrod, and aster sp. This unit is dominated by Phragmites with scattered cottonwood. MC: Phragmites is an invasive species.

Unit: 991
Acreage: 0.72
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, white	all	no			Foot traffic
Deciduous	Cherry, black	<5' & 5-30'	no			
Lianas	Oak, pin	<5' & 5-30'	no			
Level	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Oriental bittersweet	<5' & 5-30'	yes			

Comments:

This unit is an oak/ cherry forest with one ~30' white oak. A large rock is within the unit. Other species present include: black walnut, sweetgum, bitternut hickory, Norway maple, multiflora rose, buckthorn, Virginia creeper, chive, goldenrod, and garlic mustard. Ground cover is sparse with poison ivy and Oriental bittersweet here and there. Oriental bittersweet is climbing some of the trees.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 992
Acreage: 1.98
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes			
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes	Knapweed, spotted	<5'	yes			
Level						
Dry/Moist						

Comments:

This is a mugwort / goldenrod field with a mix of other herbaceous species and a few trees. Other species present include: honey locust, black locust, white mulberry, cottonwood, royal Pauwlonia, smooth sumac, multiflora rose, Phragmites, chicory, Queen Anne's lace, grass sp., red clover, common plantain, and ragweed.

Unit: 993
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>Disturbances</u>
Woodland	Sweetgum	5'-30'	no		Foot traffic	
Deciduous	Goldenrod	<5' & 5-30'	no			
Hemicryptophytes	Phragmites	<5' & 5-30'	yes			
Level	Sumac, smooth	<5' & 5-30'	no			
Dry/Moist	Mugwort	<5'	yes			

Comments:

This unit is woodland of sweetgum with a few other trees. It is located near the landfill and is bordered by two rocky pathways. Another pathway runs through the unit to a forest. Mugwort is on the pathway side of the unit. Goldenrod, smooth sumac and Phragmites are located in the interior of the unit. Other species present include: cottonwood, black cherry, black locust, willow, multiflora rose, Oriental bittersweet, porcelainberry, and grass sp..

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 994
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>Disturbances</u>
Closed Forest	Sweetgum	<5' & 5-30'	no			
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Goldenrod	<5'	no			
Level	Blackberry	<5'	no			
Dry/Moist						

Comments:

This is a small unit located near the landfill and bordered by Phragmites, porcelainberry, and an oak/cherry forest. Other species present include: crabapple, bitternut hickory, white oak, pin oak, buckthorn, multiflora rose, poison ivy, Oriental bittersweet, porcelainberry, chive, white avens, and Phragmites.

Unit: 995
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>Disturbances</u>
Vineland	Oriental bittersweet	<5' & 5-30'	yes		Foot traffic	
Deciduous						
Lianas						
Level						
Dry/Moist						

Comments:

This is a patch of Oriental bittersweet that is located in between a sweetgum forest and a Phragmites patch near the landfill. Other species present include: sweetgum, Norway maple, black cherry, multiflora rose, poison ivy, porcelainberry, blackberry, Phragmites and rough avens. MC: Oriental bittersweet is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 996
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>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Multiflora rose	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

This is a porcelainberry vineland growing over multiflora rose and a few trees. A birdhouse is located within the unit. Other species present include: sweetgum, bitternut hickory, pin oak, poison ivy, Oriental bittersweet, blackberry, and Phragmites. MC: invasive species such as porcelainberry and multiflora rose.

Unit: 997
Acreage: 1.52
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sweetgum	<5' & 5-30'	no			Trash
Deciduous	Cherry, black	<5' & 5-30'	no			Vandalism
Lianas	Oriental bittersweet	<5' & 5-30'	yes			
Level	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Multiflora rose	<5'	yes			

Comments:

This is a large sweetgum / black cherry closed forest. There is a large patch of poison ivy within the unit. Oriental bittersweet vines are climbing some of the trees as well as poison ivy. Bordered on one side by very large white oak with cut trees. Other species present include: black walnut, pin oak, swamp white oak, green ash, Norway maple, bitternut hickory, American sycamore, London planetree, Linden sapling, blackberry, wineberry, buckthorn, porcelainberry, goldenrod, Virginia knotweed, garlic mustard, mugwort, pokeweed, csg, path rush, and chive.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 998
Acreage: 0.8
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Mugwort	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

This unit is a porcelainberry vineland growing over mugwort, black cherry, and Norway maple. It is located next to a large sweetgum forest and a row of Norway maples. Other species present include: Ailanthus, pin oak, wineberry, Oriental bittersweet, poison ivy, and spotted knapweed. MC: porcelainberry is an invasive species.

Unit: 999
Acreage: 0.65
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	<5' & 5-30'	no	Fence		Trash
Deciduous	Norway maple	<5' & 5-30'	no			
Lianas	Oriental bittersweet	<5' & 5-30'	yes			
Level	Ivy, poison	<5'	no			
Dry/Moist						

Comments:

This unit is a black cherry/ Norway maple forest with Oriental bittersweet in the herbaceous layer and climbing up the trees. The unit is bordered by vinelands and also has some porcelainberry within it. An archway of Oriental bittersweet over a path marks one end of the unit. An old chain link fence runs through part of the unit. Other species present include: white mulberry, green ash, pin oak, bitternut hickory, sassafras sapling, buckthorn sp, red maple, sweetgum, smooth sumac, multiflora rose, wineberry, poison ivy, Japanese honeysuckle, goldenrod, chive, garlic mustard, white avens, mugwort, and chicory.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1000
Acreage: 1.25
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	<5' & 5-30'	no			
Deciduous	Hickory, bitternut	<5' & 5-30'	no			
Hemicryptophytes	Planetree, London	5'-30'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			
	Oriental bittersweet	<5' & 5-30'	yes			

Comments:

This unit is a black cherry/ bitternut hickory closed forest with two large London planetree. Porcelainberry and Oriental bittersweet are beginning to take over the East side of this unit. A few large rocks with graffiti on them are within the unit. Other species present include: pin oak, white mulberry, Norway maple, walnut, linden, swamp white oak, multiflora rose, wineberry, Virginia creeper, poison ivy, mugwort, pokeweed, chive, Solomon's seal and white avens. MC: because of invasive vines.

Unit: 1001
Acreage: 1.03
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Oak, white	<5' & >30'	no			Vandalism
Deciduous	Knotweed, Virginia	<5'	no			
Hemicryptophytes	Norway maple	>30'	yes			
Level	Chive	<5'	no			
Dry/Moist	Multiflora rose	<5'	yes			

Comments:

This unit is woodland made up of two full crown, ~30', white oaks and one large Norway maple. There are many cut trees in the area, including pin oaks, black cherry, and sweetgum. Some of the cut trees are resprouting. Other species present include: green ash, black cherry, sweetgum, pin oak, crab apple, American elm, bitternut hickory, hawthorn, poison ivy, Oriental bittersweet, porcelainberry, white avens, aster sp., and garlic mustard.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1002
Acreage: 0.08
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Phragmites	<5' & 5-30'	yes			

Comments:

This is a small patch of Phragmites with a silver maple in the middle. A few silver maple saplings are present. MC: Phragmites is an invasive species.

Unit: 1003
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>Disturbances</u>
Vineland Deciduous Lianas Level Dry/Moist	Porcelain berry Milkweed sp.	<5' & 5-30' <5'	yes no			

Comments:

This unit is a small porcelainberry vineland next to a sweetgum forest and across a paved pathway from the Norway maple planting. A few trees are within the unit. Other species present include: cottonwood, sweetgum, goldenrod, pin oak, bitternut hickory, London planetree, and blackberry. MC: invasive porcelainberry.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1004
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>Disturbances</u>
Woodland	Sweetgum	<5' & 5-30'	no			
Deciduous	Red maple	<5' & 5-30'	no			
Hemicryptophytes	Dock spp.	<5'	no			
Level	Cool season grass	<5'	yes			
Dry/Moist	Aster	<5'	no			

Comments:

This unit is a woodland north of a sweetgum forest. Other species present include: American elm, pin oak, buckthorn, blackberry, multiflora rose, Phragmites, and porcelainberry.

Unit: 1005
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>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Oriental bittersweet	<5' & 5-30'	yes			
Lianas	Mugwort	<5'	yes			
Level						
Dry/Moist						

Comments:

This is a vineland located next to the large white oaks with the cut trees. Other species present include: black cherry, bitternut hickory, Oriental bittersweet, Japanese honeysuckle, and pokeweed. MC: porcelainberry and Oriental bittersweet are invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1006
Acreage: 0.41
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Hickory, bitternut	<5' & 5-30'	no			
Deciduous	Oak, pin	5'-30'	no			
Hemicryptophytes	Cherry, black	<5' & 5-30'	no			
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Goldenrod	<5'	no			

Comments:

This unit is surrounded by a mulberry/ maple/ cherry unit and a vineland. Other species present include: black walnut, multiflora rose, raspberry, wineberry, Japanese honeysuckle, porcelainberry, poison ivy, Oriental bittersweet, rough avens, and Virginia knotweed.

Unit: 1007
Acreage: 4.02
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sweetgum	<5' & 5-30'	no	Full-crown tree	Foot traffic	Trash
Deciduous	Red maple	<5' & 5-30'	no			
Lianas	Cherry, black	<5' & 5-30'	no			
Level	Oak, pin	all	no			
Dry/Moist						

Comments:

This unit is a large sweetgum forest with red maple and black cherry. The sweetgums are densely packed into the unit. A few of the black cherries are large multi-trunked trees. This unit is bordered by a paved walkway that runs from the North Picnic area to the South picnic area, a large vineland, a few smaller vinelands, a field, and an area where a very large white oak is. The understory is sparse in areas and viney in others. Other species present include: Ailanthus, white mulberry, bitternut hickory, multiflora rose, green ash saplings, buckthorn, wineberry, porcelainberry, poison ivy, Oriental bittersweet, goldenrod, Virginia knotweed, chive, pokeweed, and mugwort.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1008
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>Disturbances</u>
Herbaceous	Grass spp.	<5'				
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is an herbaceous unit in between a sweetgum forest and a sweetgum woodland. Other species present include: sweetgum, red maple, and red clover.

Unit: 1009
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>Disturbances</u>
Woodland	Sweetgum	<5' & 5-30'	no			
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes	Grass spp.					
Level						
Dry/Moist						

Comments:

This unit is a sweetgum woodland in the middle of a sweetgum closed forest. Other species present include: red maple, pin oak, swamp azalea, multiflora rose, raspberry, dock, rush sp., and red clover.

Pelham Bay Entitiation Unit Descriptions, Surveyed 2007

Unit: 1010
Acreage: 0.56
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5'	yes		Foot traffic	
Deciduous	Phragmites	<5' & 5-30'	yes			
Hemicryptophytes	Goldenrod	<5'	no			
Level						
Dry/Moist						

Comments:

This is a small triangular unit. It is an herbaceous community dominated by the above species. Other species present include: cottonwood (1), marsh elder, Oriental bittersweet, burdock, seaside goldenrod, sweet clover, red clover, Queen Anne's lace, aster sp., and a small amount of orach.

Unit: 1011
Acreage: 1.97
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes		Foot traffic	
Deciduous	Porcelain berry	<5' & 5-30'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is an herbaceous community dominated by mugwort. Some trees are within the unit but not enough to classify it as a woodland. The unit is located next to the beach, a rocky shore, and a brick wall. Other species present include: green ash, Norway maple, white mulberry, hackberry, Ailanthus, hawthorn, pin oak, American elm, swamp white oak (1), red pine (1), black walnut, sweetgum, smooth sumac, wineberry, tatarian honeysuckle, multiflora rose, patches of porcelainberry, Oriental bittersweet, goldenrod, dock, knapweed, aster sp., chicory, Queen Anne's lace, Phragmites, grass sp., and evening primrose.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1012
Acreage: 0.38
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sweetgum	5'-30'	no			
Deciduous	Ash, green	5'-30'	no			
Geophytes	Phragmites	<5' & 5-30'	yes			
Level	Goldenrod	<5'	no			
Dry/Moist	Porcelain berry	<5'	yes			
	Mugwort	<5'	yes			

Comments:

This unit is a small woodland located in between the landfill and the water. Phragmites is mixed with porcelainberry, goldenrod, and mugwort in the herbaceous layer. Other species present include: cottonwood, crab apple, Norway maple, common buckthorn, groundsel bush, swamp azalea, multiflora rose, Virginia creeper, seaside goldenrod, common plantain, bedstraw, aster sp., milkweed, dock, white avens, and heal all.

Unit: 1013
Acreage: 0.49
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	<5' & 5-30'	yes			
Deciduous	Cherry, black	<5' & 5-30'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Level	Goldenrod	<5'	no			
Dry/Moist	Multiflora rose	<5'	yes			
	Oriental bittersweet	<5' & 5-30'	yes			

Comments:

This unit is a closed forest of Norway maple with mugwort, multiflora rose, goldenrod, and Oriental bittersweet in the herbaceous layer. It is bordered by three pathways. A pin oak marks one end of the unit. It is located on the landfill side of the park just after the fence ends. Other species present include: green ash, buckthorn, pin oak, white mulberry, wineberry, buckthorn, tatarian honeysuckle, poison ivy, Japanese honeysuckle, porcelainberry, common plantain, Queen Anne's lace, and day lily.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1014
Acreage: 5.08
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Mugwort	<5' & 5-30'	yes			
Lianas	Goldenrod	<5'	no			
Level						
Dry/Moist						

Comments:

This large unit is a patchy distribution of porcelainberry, and mugwort with goldenrod. The porcelainberry is growing over mugwort, goldenrod, and a few trees. A concrete figure eight is located within the unit. Other species present include: black cherry, sweetgum, Norway maple, walnut, cottonwood, willow sp., white mulberry, pin oak, wineberry, buckthorn, multiflora rose, blackberry, Oriental bittersweet, dock, bedstraw, dogbane, grass sp., and knapweed. MC: porcelainberry is an invasive species.

Unit: 1015
Acreage: 0.69
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	<5' & 5-30'	no	Fence		
Deciduous	Mulberry, white	<5' & 5-30'	yes	Hedgerow		
Lianas	Norway maple	<5' & 5-30'	yes			
Level	Cherry, sweet	<5' & 5-30'	no			
Dry/Moist	Porcelain berry	<5'	yes			
	Multiflora rose	<5' & 5-30'	yes			

Comments:

This unit is a closed forest with vines climbing over the trees. An old fence runs through the unit. It looks as if at one point this was a planted hedgerow. It surrounds a cement path in the shape of a figure 8. Other species present include: hackberry, bitternut hickory, pin oak, sweetgum, buckthorn, tatarian honeysuckle, wineberry, Oriental bittersweet, poison ivy, chive, garlic mustard, and mugwort. MC: porcelainberry is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1016
Acreage: 0.25
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Hickory, bitternut	<5' & 5-30'	no			
Deciduous	Sweetgum	<5' & 5-30'	no			
Phanerophytes	Cherry, black	<5' & 5-30'	no			
Level	Multiflora rose	<5'	yes			
Dry/Moist						

Comments:

This unit is a closed forest of bitternut hickory / sweetgum and black cherry. The understory had many saplings and multiflora rose. Oriental bittersweet and porcelainberry have begun to invade the unit (MC). The unit is bordered by a vineland, a baseball field, and a sweetgum / black cherry forest that lacks bitternut hickory. Other species present include: pin oak, crab apple, Norway maple sapling, buckthorn, wineberry, raspberry, poison ivy, white avens, garlic mustard, mugwort, chive, and Virginia knotweed.

Unit: 1017
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>Disturbances</u>
Closed Forest	Cherry, black	<5' & 5-30'	no		Foot traffic	
Deciduous	Sweetgum	<5' & 5-30'	no		Vagabond	
Lianas	Ivy, poison	<5'	no			
Level	Oriental bittersweet	<5' & 5-30'	yes			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			

Comments:

This unit is a closed forest surrounded by vineland. It is located near a baseball field and a bitternut hickory forest. There is a lot of poison ivy in the herbaceous layer. Oriental bittersweet and porcelainberry are encroaching. Other species present include: pin oak, bitternut hickory, silky dogwood, Norway maple, wineberry, buckthorn, white avens, garlic mustard, pokeweed, knapweed, and goldenrod.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1018
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>Disturbances</u>
Closed Forest	Elm spp.	<5' & 5-30'			Foot traffic	
Deciduous	Mustard, garlic	<5'	yes			
Phanerophytes	Ivy, poison	<5'	no			
Level						
Dry/Moist						

Comments:

This unit is a small closed forest of elm sp. with garlic mustard and poison ivy in the herbaceous layer. There are many elms under 5' as well as in the 5-30' range. This unit is located next to a black cherry forest, a large linden, a field ,and some large rocks with graffiti on them. Other species present include: pin oak, Norway maple, bitternut hickory, black cherry, multiflora rose, Oriental bittersweet, chive, mugwort, and goldenrod.

Unit: 1019
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>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes			
Deciduous	Oriental bittersweet	<5' & 5-30'	yes			
Lianas	Mugwort	<5'	yes			
Level						
Dry/Moist						

Comments:

This unit is a porcelainberry / oriental bittersweet vineland growing over mugwort and trees. (MC) It is located near the water and a brick wall. Other species present include: black cherry, Ailanthus, white mulberry, bitternut hickory, Norway maple, willow sp., pin oak, black walnut, American elm, sugar maple, smooth sumac, multiflora rose, wineberry, poison ivy, milkweed, foxtail, spotted knapweed, common plantain, dock, bedstraw, and garlic mustard. One end of this unit is marked by a red pine. Raccoon scat was observed. MC: invasive porcelainberry and Oriental bittersweet.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1020
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>Disturbances</u>
Closed Forest	Sugar maple	all	no	Manhole		
Deciduous	Ailanthus	5'-30'	yes			
Phanerophytes						
Level						
Dry/Moist						

Comments:

This unit is a closed forest of sugar maple with some Ailanthus. Oriental bittersweet and porcelainberry are on the west side of the unit. There is one ~30' sugar maple in this unit. The unit is located in-between two paths, and is near a brick wall and a baseball field. Other species present include: black cherry, bitternut hickory, pin oak, walnut, multiflora rose, wineberry, garlic mustard, and white avens. MC: Invasive Ailanthus, porcelainberry, and Oriental bittersweet.

Unit: 1021
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>Disturbances</u>
Herbaceous	Grass spp.	<5'				
Deciduous	Knapweed, spotted	<5'	yes			
Hemicryptophytes	Honeysuckle, Japanese	<5'	yes			
Level	Goldenrod	<5'	no			
Dry/Moist						

Comments:

This is an herbaceous community with a few trees and some patches of Japanese honeysuckle. Black cherry saplings and sweetgum saplings are scattered. This area may become a woodland. Other species present include: sweetgum, buckthorn, poison ivy, and mugwort.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1022
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>Disturbances</u>
Closed Forest	Sweetgum	<5' & 5-30'	no			
Deciduous	Cherry, black	<5' & 5-30'	no			
Phanerophytes	Ivy, poison	<5'	no			
Level						
Dry/Moist						

Comments:

This unit is a sweetgum / black cherry closed forest with patches of poison ivy in the herbaceous layer. It is bordered by a baseball field, a vineland, and a closed forest which differs from this unit in that it has bitternut hickory as a dominant species. Other species present include: silky dogwood, sugar maple, pin oak, black walnut, bitternut hickory, green ash saplings, American elm sapling, Ailanthus sapling, buckthorn, multiflora rose, wineberry, porcelainberry, Japanese honeysuckle, Oriental bittersweet, garlic mustard, white snakeroot, goldenrod, rough avens, and pokeweed.

Unit: 1023
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>Disturbances</u>
Closed Forest	Sweetgum	<5' & 5-30'	no			
Deciduous	Cherry, black	<5' & 5-30'	no			
Lianas	Oak, pin	<5' & 5-30'	no			
Level						
Dry/Moist						

Comments:

This unit is a closed forest of sweetgum and black cherry with some pin oaks. Along the paved pathway near the dog run there are a few American elms. This unit is bordered by paved pathways and a vineland. Oriental bittersweet is patchy in the understory. Other species present include: green ash, Ailanthus, red maple, walnut, American sycamore, wineberry, blackberry, multiflora rose, porcelainberry, poison ivy, Virginia creeper, mugwort, white avens, pokeweed, rough avens, chive, garlic mustard, and Virginia knotweed.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1024
Acreage: 2.25
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	<5' & 5-30'	yes		Foot traffic	Trash
Deciduous	Ailanthus	<5' & 5-30'	yes			
Lianas	Multiflora rose	<5' & 5-30'	yes			
Level	Wineberry	<5'	no			
Dry/Moist	Blackberry	<5'	no			

Comments:

This is a large porcelainberry vineland that is growing over Ailanthus, multiflora rose, and Rubus. It is bordered by a sweetgum / black cherry forest and a baseball field. Several footpaths run through the area. Other species present include: American sycamore, black cherry, white mulberry, sweetgum, Kentucky coffee tree, 2 horse chestnuts, bitternut hickory saplings, Oriental bittersweet, garlic mustard, pokeweed, rough avens, Virginia knotweed, jewelweed, and aster sp. MC: because of invasives.

Unit: 1025
Acreage: 0.46
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes			
Deciduous						
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a mugwort field bordered by a red brick wall and a walnut closed forest. Other species present include: Ailanthus, wineberry, multiflora rose, goldenrod, pokeweed, and bedstraw.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1026
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>Disturbances</u>
Desert Deciduous						
Level Dry						

Comments:

This unit is the dog run located near a brick wall and a baseball field.

Unit: 1027
Acreage: 2.63
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest Deciduous	Sweetgum Cherry, black	all <5' & 5-30'	no no			Foot traffic
Lianas	Ash, green	<5' & 5-30'	no			
Level	Ivy, poison	<5'	no			
Dry/Moist	Aster, white wood	<5'	no			

Comments:

This unit is a closed forest of 30' sweetgums with black cherry in the understory. There is less green ash than black cherry in the understory. Poison ivy and white wood aster dominate the herbaceous layer. A few footpaths run through the unit. Other species present include: red maple, white mulberry, tulip poplar, crab apple, American beech, pin oak, bitternut hickory, American elm, white oak, Chinese scholar tree, wineberry, common buckthorn, multiflora rose, porcelainberry, Virginia creeper, cat briar, Virginia knotweed, white avens, pokeweed, violet sp., CSG, grass sp., aster sp., chive, and burdock.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1028
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>Disturbances</u>
Closed Forest	Oak, pin	>30' & 5-30'	no			
Deciduous	Sweetgum	>30' & 5-30'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This is a pin oak/ sweetgum forest. The herbaceous layer is very sparse. It is located near the tennis courts. Other species present include: mockernut hickory, sugar maple, white mulberry, green ash (<5'), black cherry, multiflora rose, poison ivy, white wood aster, CSG, aster sp. white avens, heal all, grass sp., and path rush.

Unit: 1029
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>Disturbances</u>
Closed Forest	Hickory, bitternut	all	no			
Deciduous	Aster	<5'				
Chamaephytes	Aster, white wood	<5'	no			
Level						
Dry/Moist						

Comments:

This is a closed forest of bitternut hickory and asters. It is located near a baseball field. Other species present include: white oak, pin oak, tulip poplar, hickory sp., black cherry saplings, American elm saplings, green ash, Japanese barberry, wineberry, Oriental bittersweet, white wood aster, white avens, self heal, violet, burdock, chives, white snakeroot, cinquefoil, and garlic mustard.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1030
Acreage: 2.42
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	all	no		Foot traffic	Vandalism
Mixed	Norway maple	<5' & 5-30'	yes			Auto
Lianas	Ivy, poison	<5'	no			
Level	Wineberry	<5'	yes			
Dry/Moist	Knotweed, Virginia	<5'	no			

Comments:

This unit is very diverse but is dominated by black cherry and Norway maple. There are many ~30 evergreens in the unit. This unit is bordered by a black locust forest, a linden forest, and a sweetgum forest. It is located near the track and mounted police stable. Other species present include: hackberry, white mulberry, sassafras, mock orange, horse chestnut, red pine, white pine, linden, green ash, walnut, American elm, Norway spruce, multiflora rose, arrowwood, wisteria, poison ivy, porcelainberry, wineberry, white wood aster, pokeweed, white snake root, Virginia knotweed, grass sp., and garlic mustard. MC: spray paint on trees.

Unit: 1031
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>Disturbances</u>
Closed Forest	Norway maple	<5' & 5-30'	yes		Foot traffic	
Deciduous	Ash, green	>30' & 5-30'	no			
Lianas	Ivy, poison	<5'	no			
Level	Linden	<5' & 5-30'	no			
Dry/Moist	Wineberry	<5'	yes			

Comments:

This unit is a Norway maple / green ash forest with scattered linden in the understory. Poison ivy and wineberry dominate the herbaceous layer. This unit is east of the track. A footpath runs through it. The unit extends from the fence to just past the foot path. Other species present include: black cherry, bitternut hickory, white mulberry, Ailanthus, big tooth aspen (2), hackberry, American elm, Virginia creeper, porcelainberry, Japanese honeysuckle, multiflora rose, Japanese barberry, garlic mustard, Virginia knotweed, white snakeroot, goldenrod, dandelion, and beggars tick.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1032
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>Disturbances</u>
Closed Forest	Locust, black	<5' & 5-30'	yes			
Deciduous	Norway maple	<5' & 5-30'	yes			
Lianas	Cherry, black	<5' & 5-30'	no			
Level	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Multiflora rose	<5' & 5-30'	yes			

Comments:

This unit is a black locust / Norway maple / black cherry forest with poison ivy and multiflora rose. It is located next to a fence that borders the park from the road at Stadium Place and Watt Avenue. Other species present include: linden, American elm, shagbark hickory, pin oak, white mulberry, green ash, black walnut, red oak, Japanese honeysuckle, yam leaved clematis, Virginia creeper, chive, and garlic mustard.

Unit: 1033
Acreage: 5.2
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	>30' & 5-30'	no	Foundation	Foot traffic	
Deciduous	Norway maple	all	yes			
Lianas	Oak, red	>30' & 5-30'	no			
Undulating	Ivy, poison	<5'	no			
Dry/Moist	Knotweed, Virginia	<5'	no			
	Multiflora rose	<5'	yes			

Comments:

This is a large closed forest of black cherry, Norway maple, and red oak. There are patches of sassafras, Japanese knotweed, and wisteria as well as the other dominant species listed. In some parts of this unit the ground is bare and there are large holes (~5') dug in the dirt. This unit runs from the mounted police stable to a fence that borders Watt Avenue. An old foundation runs through part of the unit. Other species present include: sassafras, shagbark hickory, walnut, bitternut hickory, white mulberry, pin oak, white pine, green ash, red pine, hackberry, sweetgum, 1 ginkgo (~30'), tulip poplar, wineberry, Alder sp., Amur honeysuckle, Japanese knotweed, a large patch of wisteria, Japanese honeysuckle, white avens, garlic mustard, and white snakeroot.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1034
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>Disturbances</u>
Woodland	Walnut, black	>30' & 5-30'	no	Fence	Foot traffic	
Deciduous	Norway maple	5'-30'	yes			
Chamaephytes	Multiflora rose	<5' & 5-30'	yes			
Level	Yam-leaved clematis	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is a black walnut woodland with some Norway maple. Multiflora rose and yam-leaved clematis are in the understory. A fence bordering Watt Street borders the unit. There is a fence within the fence. A vineland and Phragmites also border this unit. Other species present include: white mulberry, red oak, black cherry, pin oak, wineberry, Japanese honeysuckle, poison ivy, Virginia knotweed, garlic mustard, white avens, and white snakeroot.

Unit: 1035
Acreage: 2.21
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Porcelain berry	all	yes			Trash
Deciduous	Multiflora rose	<5' & 5-30'	yes			
Lianas	Oriental bittersweet	<5' & 5-30'	yes			
Level						
Dry/Moist						

Comments:

This unit is a large vineland of porcelainberry mixed with multiflora rose. In some parts of the unit there is more multiflora rose than porcelainberry. There are several trees within the unit. This unit is bordered by a mugwort field, a black walnut woodland, a black cherry/ Norway maple/ red oak closed forest, and a black walnut forest. Other species present include: black walnut, sweetgum, black cherry, pin oak, 1 large weeping willow, silver maple, crab apple, tatarian honeysuckle, Amur honeysuckle, blackberry, wineberry, yam leaved clematis, Japanese honeysuckle, poison ivy, aster sp., and goldenrod. MC: invasives.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1036
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>Disturbances</u>
Herbaceous	Mugwort	<5' & 5-30'	yes			
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes	Phragmites	<5' & 5-30'	yes			
Level						
Dry/Moist						

Comments:

This unit is a mugwort field with patches of Phragmites. It is bordered by a rock wall that forms a barrier between the park and the Eastchester Bay and a large unit of Phragmites with marsh elder. Other species present include: black cherry, marsh elder, Japanese honeysuckle, Queen Anne's lace, switchgrass, dock, CSG, evening primrose, and crown vetch.

Unit: 1037
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>Disturbances</u>
Scrub	Sumac, smooth	<5' & 5-30'	no			
Deciduous	Mugwort	<5' & 5-30'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a scrub of smooth sumac and mugwort, which is located near a kudzu vineland and a rock wall lined beach. Other species present include: beech grass, aster sp., garlic mustard, white mulberry, bindweed, black cherry, and tatarian honeysuckle.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1038
Acreage: 4.17
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Walnut, black	>30'	no		Campfire/ party	
Deciduous	Wineberry	<5'	no		Foot traffic	
Hemicryptophytes	Mugwort	<5'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Snakeroot, white	<5'	no			

Comments:

This unit is bordered by a porcelainberry vineland, kudzu vineland, and an old foundation. Other species present include: bitternut hickory, green ash, weeping willow, black cherry, white mulberry, Norway maple, smooth sumac, multiflora rose, porcelainberry, white avens, jewelweed, grass sp., and white snakeroot.

Unit: 1039
Acreage: 0.41
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Kudzu	<5' & 5-30'	yes		Foot traffic	
Deciduous	Mugwort	<5'	yes			
Lianas	Hickory, bitternut	5'-30'	no			
Level	Walnut, black	5'-30'	no			
Dry/Moist						

Comments:

This unit is kudzu climbing over mugwort and trees. It is located next to a brick wall and the shore line. Other species present include: tulip poplar, black walnut, linden, multiflora rose, wineberry, tatarian honeysuckle, sea blite, bedstraw, pokeweed, and late Eupatorium. MC: Kudzu is an invasive vine.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1040
Acreage: 0.61
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	<5' & 5-30'	yes	Foundation	Foot traffic	
Deciduous	Cherry, black	5'-30'	no			
Hemicryptophytes	Sassafras	<5' & 5-30'	no			
Level	Snakeroot, white	<5'	no			
Dry/Moist	Mustard, garlic	<5'	yes			
	Ivy, poison	<5'	no			

Comments:

This unit is a closed forest dominated by the species listed above. Other species present include: bitternut hickory, white mulberry, wineberry, and English ivy.

Unit: 1041
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>Disturbances</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Telephone pole		Fire
Deciduous				Fire Hydrant		Dumping
Geophytes						Trash
Slope						
Dry/Moist						

Comments:

This unit is dominated by Japanese knotweed on a rocky slope. It is bordered by Phragmites, and Watt Avenue near Bay Shore Avenue. Other species present include: mugwort, grape, and porcelainberry.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1042
Acreage: 0.06
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Walnut, black	5'-30'	no			
Deciduous	Cherry, black	5'-30'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Undulating	Bedstraw	<5'	no			
Dry/Moist	Porcelain berry	<5' & 5-30'	yes			

Comments:

This is a small black walnut / black cherry woodland with porcelainberry, mugwort, and bedstraw. It is bordered by Japanese knotweed, Phragmites, and Watt Avenue.

Unit: 1043
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>Disturbances</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Other	Foot traffic	
Deciduous	Mugwort	<5' & 5-30'	yes			
Geophytes	Ailanthus	<5' & 5-30'	yes			
Knoll						
Dry						

Comments:

This unit is Dominated by Japanese knotweed with mugwort and a few Ailanthus growing on top of rocks. The rocks are piled on top of a pipe that discharges into the Eastchester Bay. A path runs through the unit.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1044
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>Disturbances</u>
Herbaceous Deciduous Geophytes Level Surface water	Phragmites	<5' & 5-30'	yes			

Comments:

This unit is Phragmites located downhill from the corner of Watt Avenue and Bay shore Avenue. It is bordered by a rock wall, Spartina patens, Spartina alterniflora, and a black walnut/ Norway maple forest. Some surface water is present. MC: Phragmites is an invasive species.

Unit: 1045
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>Disturbances</u>
scarcely vegetated Level Dry/Moist					Fence Road	

Comments:

This unit is the Mounted Police parking lot, buildings, and stables.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1046
Acreage: 0.49
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Walnut, black	5'-30'	no			
Deciduous	Cool season grass	<5'	yes			
Hemicryptophytes	Mugwort	<5'	yes			
Level						
Dry/Moist						

Comments:

This unit is in between the red brick wall and one of the horse corrals. It is a few walnut trees with CSG and mugwort.

Unit: 1047
Acreage: 0.75
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Vineland	Honeysuckle, Japanese	<5' & 5-30'	yes		Foot traffic	
Deciduous	multiflora rose	<5' & 5-30'	yes			
Lianas	Cherry, black	5'-30'	no			
Level	Sweetgum	5'-30'	no			
Dry/Moist						

Comments:

This is a vineland that is covering trees and multiflora rose. Other species present include: pin oak and wineberry. A foot path runs through the unit. MC: because of invasive Japanese honeysuckle and multiflora rose.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1048
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>Disturbances</u>
Intertidal	Cord grass, salt mea	<5'	no			Trash
Deciduous	spike grass	<5'	no			
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is located along the shoreline. It is bordered by rocks, Phragmites, and Eastchester Bay. A footbridge is on the edge of the unit. It is dominated by *Spartina patens* and spike grass. Other species present include: Phragmites and sea lavender.

Unit: 1049
Acreage: 0.03
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal	cord grass, saltmarsh	<5'	no			
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is dominated by *Spartina alterniflora* located along the shore to the east of Watt Avenue and Bay shore Avenue. A metal footbridge is within the unit.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1050
Acreage: 0.7
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
scarcely vegetated Deciduous Hydrophytes Level Dry/Moist	seaweed	<5'				

Comments:

This unit is the rocky shore with seaweed on some of the rocks. The unit includes the sidewalk along the shore and a brick wall that juts out into the bay. A broken pipe is located next to the wall.

Unit: 1051
Acreage: 0
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmarsh	<5'	no			

Comments:

This is a small patch of *Spartina alterniflora* located at the SE side of the park, south of the landfill.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1052
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>Disturbances</u>
Woodland Deciduous Hemicryptophytes Knoll Dry	Mulberry, white Mugwort	5'-30' <5'	yes yes			Trash

Comments:

This unit is two white mulberries with mugwort growing on a rock outcrop along the shore. A fence borders one side of the unit. A outlet to the water is underneath the rocks.

Unit: 1053
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>Disturbances</u>
Woodland Deciduous Chamaephytes Level Dry	Mulberry, white multiflora rose Grass spp.	5'-30' <5' <5'	yes yes			

Comments:

This unit is two white mulberries growing on rocks along the shore, south of the landfill. Multiflora rose and grass are also growing on the rocks.

Pelham Bay Entitaton Unit Descriptions, Surveyed 2007

Unit: 1054
Acreage: 0
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmarsh	<5'	no			

Comments:

This unit is *Spartina alterniflora* growing along the shore on the SE side of the park.

Unit: 1055
Acreage: 0
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Cordgrass, saltmarsh	<5'	no			

Comments:

This unit is *Spartina alterniflora* growing along the shore on the SE side of the park.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1056
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>Disturbances</u>
Intertidal	cordgrass, saltmarsh	<5'	no			
Deciduous	sea lavender	<5'	no			
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is a strip of *Spartina alterniflora* with sea lavender growing along the shore on the SE side of the park. It is bordered to the north by a brick wall that juts out into the Eastchester Bay.

Unit: 1057
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>Disturbances</u>
Intertidal	spike grass	<5'	no			
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This is a small unit of spike grass located between the rocky shore, *Spartina alterniflora* and a mugwort field.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1058
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>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmeadow	<5'	no			

Comments:

This unit is dominated by *Spartina patens*. It is located down slope from the corner of Bay Shore Avenue and Watt Avenue.

Unit: 1059
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>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmarsh	<5'	no			

Comments:

This unit is dominated by *Spartina alterniflora*. It is located in between *Phragmites* and *Spartina patens*, downhill from Bay Shore Avenue and Watt Avenue.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1060
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>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmarsh	<5'	no			

Comments:

This unit is dominated by *Spartina alterniflora*. It is located downhill from Bay Shore Avenue and Watt Avenue.

Unit: 1061
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>Disturbances</u>
Herbaceous Deciduous Geophytes Level Moist	Phragmites	<5' & 5-30'	yes			

Comments:

This unit is dominated by *Phragmites*. It is located down slope form Bay shore Avenue.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1062
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>Disturbances</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	cordgrass, saltmarsh	<5'	no			

Comments:

This unit is Spartina alterniflora located down slope from Bay Shore Avenue.

Unit: 1063
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>Disturbances</u>
Scrub Deciduous Chamaephytes Level Dry/Moist	Privet multiflora rose	<5' & 5-30' <5' & 5-30'	yes yes	Foundation		

Comments:

This unit is a scrub of privet and multiflora rose. A few trees are within the unit. It is located along a rock wall between two Phragmites units. Other species present include: black walnut and black cherry.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1064
Acreage: 0.46
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			
Deciduous	Mugwort	<5' & 5-30'	yes			
Geophytes						
Level						
Dry/Moist						

Comments:

This unit is dominated by mugwort and Phragmites. It is located in the SE corner of the park. It is bordered by a stone wall, a mugwort/ sumac field and a black walnut forest.

Unit: 1065
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>Disturbances</u>
Closed Forest	Walnut, black	>30' & 5-30'	no			
Deciduous	Sassafras	<5' & 5-30'	no			
Hemicryptophytes	Norway maple	<5' & 5-30'	yes			
Level	Mugwort	<5'	yes			
Dry/Moist						

Comments:

This unit is a closed forest that is bordered on the south side by a brick wall. Other species present include: black cherry, American elm, Ailanthus, sweetgum, green ash, silver maple, hickory sp., bitternut hickory, red oak, green ash, pin oak, wineberry, multiflora rose, forsythia, Oriental bittersweet, poison ivy, bittersweet nightshade, garlic mustard, pokeweed, mugwort, and red clover.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1066
Acreage: 0.66
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Silver maple	<5' & 5-30'	no			
Deciduous	Cherry, black	<5' & 5-30'	no			
Lianas	Norway maple	<5' & 5-30'	yes			
Level	Linden	<5' & 5-30'	no			
Dry/Moist	Ivy, poison	<5'	no			
	Multiflora rose	<5' & 5-30'	yes			

Comments:

This unit is a closed forest located next to the road that leads to the mounted police stable. Other species present include: linden, green ash, Ailanthus, Norway spruce, arrowwood, wineberry, Japanese honeysuckle, Virginia knotweed, jet black bead, garlic mustard, white avens, and rough avens.

Unit: 1067
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>Disturbances</u>
Vineland	Porcelain berry	<5'	yes			
Deciduous						
Lianas						
Level						
Dry/Moist						

Comments:

This unit is a vineland of porcelainberry bordered by a silver maple forest and a linden forest. Other species present include: white mulberry, multiflora rose, and Japanese knotweed. MC: Porcelainberry is an invasive species.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1068
Acreage: 1.03
Mgmt. Concern: Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Linden	<5' & 5-30'	no		Foot traffic	Vandalism
Deciduous	Elm, American	5'-30'	no			
Hemicryptophytes	Snakeroot, white	<5'	no			
Level	Ivy, poison	<5'	no			
Dry/Moist	Knotweed, Japanese	<5'	yes			

Comments:

This unit is a closed forest dominated by Linden with some American elm. It is bordered in part by a road that leads to the mounted patrol and a fence that borders Stadium Place. The track is west of the unit. A Norway spruce marks one corner of the unit. It is also bordered by a dirt trail. There are patches of Japanese knotweed in the understory. Other species present include: white pine, black walnut, white mulberry, black cherry, silky dogwood, Norway maple, green ash, pin oak, black locust, wineberry, arrowwood, multiflora rose, Japanese honeysuckle, porcelainberry, Virginia creeper, Virginia knotweed, mugwort, smartweed, wood sorrel, garlic mustard, bedstraw, and pokeweed. MC: spray paint on trees.

Unit: 1069
Acreage: 0.52
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	all	yes			
Deciduous	Cherry, black	5'-30'	no			
Lianas	Ivy, poison	<5'	no			
Level	Ash, green	<5'	no			
Dry/Moist						

Comments:

This unit is bordered by a stable. There are a few trees with old fencing around them. A small section of Kentucky coffee trees with one large fallen tree is at the east end of the unit. Other species present include: Ailanthus, linden, sweet cherry, arrowwood, multiflora rose, garlic mustard, and white snakeroot.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1070
Acreage: 0.83
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Sweetgum	>30' & 5-30'	no			
Deciduous	Cherry, black	>30' & 5-30'	no			
Level	Norway maple	5'-30'	yes			
Dry/Moist						

Comments:

This unit is a black cherry / sweetgum/ Norway maple forest with bare soil underneath. There are some large rocks and pits. Other species present include: American sycamore (1), white mulberry, black locust, black birch, red oak, red pine, horse chestnut, and buckthorn. Small amounts of Virginia creeper, poison ivy, white snakeroot, bittersweet nightshade, garlic mustard, and Virginia knotweed are present near base of tree trunks.

Unit: 1071
Acreage: 48.61
Mgmt. Concern: No

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Oak, pin	5'-30'	no		Picnic	
Deciduous	Sweetgum	5'-30'	no		Foot traffic	
Hemicryptophytes	Beech, American	5'-30'	no			
Undulating	CSG	<5'	yes			
Dry/Moist						

Comments:

This unit is all managed lawn with trees and ornamental beds. Other species present include: American sycamore, red oak, black oak, red maple, black cherry, tulip poplar, silver maple, Chinese scholar tree, hawthorn, American elm, hackberry, green ash, pignut hickory, sweetgum, white oak, Norway maple, white mulberry, Callery pear, crabapple, white pine, honey locust, privet, chicory, mallow, dandelion, English plantain, red clover, smartweed, chive, foxtail, mugwort, and common plantain. Red tail hawks and monk parrots were observed. Paved paths run through the unit. The density of the canopy varies throughout this unit.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1072
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>Disturbances</u>
Aquatic (fresh)	Phragmites	<5' & 5-30'	yes			
Deciduous	Cattails, common	<5' & 5-30'	no			
Geophytes						
Level						
Surface water						

Comments:

This is a rock lined wet area with an equal mix of Phragmites and cattails. A rock lined stream, which is currently dry, runs from a neighboring unit into this unit.

Unit: 1073
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>Disturbances</u>
Closed Forest	Locust, black	<5' & 5-30'	yes			
Deciduous	Siberian elm	5'-30'	yes			
Hemicryptophytes	Hawthorn	5'-30'				
Slope	Mulberry, white	5'-30'	yes			
Dry/Moist	Mugwort	<5'	yes			

Comments:

This unit is bordered by a baseball field and I-95 N. It slopes from a fence to the baseball field. Other species present include: red oak, pin oak, green ash, black cherry, Japanese honeysuckle, poison ivy, bittersweet nightshade, chicory, CSG, garlic mustard, hosenettle, cinquefoil, dock, common nightshade and aster sp.

Pelham Bay Entitation Unit Descriptions, Surveyed 2007

Unit: 1074
Acreage: 0
Mgmt. Concern: No

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

Comments:

This unit is a mudflat surrounded by *Spartina alterniflora* and spike grass.

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.