

Natural Area Mapping and Inventory of Pugsley Creek Park September 2006 Survey



Prepared by the Natural Resources Group
Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner
Bill Tai, Director
Tim Wenskus, Deputy Director
Craig Mandel, GIS/ Data Manager
Marielle Anzelone, Ecologist
April Bisner, Inventory/ Monitoring Technician
Joshua Nakash, Inventory/ Monitoring Technician

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Pugsley Creek Park Natural Areas Mapping & Inventory

77Acres

Introduction

City of New York Department of Parks & Recreation 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 the city's total area. In addition to flagship parks such as Central Park and Prospect Park, New York City's parklands include over 11,000 undeveloped acres, known as 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 large 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 Pugsley Creek Park was conducted as part of NRG's commitment to improving the natural areas of New York City Parks.

Pugsley Creek is a 77-acre park that is largely filled, undeveloped and mostly abandoned by people. Historically Pugsley Creek was once bordered by hundreds of acres of salt marsh, but now is dominated by black locusts, box elders, cottonwoods, and *Ailanthus* with fields of mugwort and scattered stands of Japanese knotweed and *Phragmites*. Along the creek are bands of *Spartina alterniflora*. The history of the creek goes back to the time of the Siwanoy Indians who settled in the land and used the creek to reach their village at Castle Hill Neck, which today is south of modern Pugsley Creek Park. The creek itself, which connects to the adjacent Bronx River and Westchester Creek estuaries, was formally called Maeneppis Kill. During the 17th century, the cousin of Oliver Cromwell, John Cromwell settled in this land. The creek was then renamed to Crowell's Creek. By the mid 1800's, the Pugsley family used the creek for shipping supplies to and from their newly acquired land known as Cow Neck Farm. From that point on Cromwell's Creek was then renamed to the present day Pugsley Creek. By the middle of the 1800's the urbanization of the Bronx resulted from increase in population, led to a series of changes to Pugsley Creek. Development of houses, roads, and highways shortened the northern portion of the creek and the area became largely filled.

City acquired Clason's Point in 1906 and made it a public place, then transferred a portion of the property to the Department of Marine and Aviation in 1921. The Department of Marine and Aviation operated a ferry that ran from Clason Point to College Point, Queens. In 1988, Soundview Associates built ball fields and recreational facilities at Clason's Point, which is still in operation today. In 1989, property at the corner of Lacombe and Screvin Avenues was added to greater Pugsley Creek Park. In 1996, parks developed Gus's Garden on a former dumping ground near the corner of Betts and Gildersleeve Avenues. A former sewage treatment plant at the northern end of Pugsley Creek became parks property in 1999.

Hundreds of acres of salt marsh had been filled by the 1950's. By the 1970's 80% of the park had been filled and the only natural remains are along the creek edges and a few spots upland. During the mid 1970's, a combined Throughout the 20th century, parkland along Pugsley Creek was acquired in a series of phases. New York sewage overflow (CSO) pipeline was constructed along Barret Avenue that discharges just where the channel narrows, about halfway up the creek. The pipeline impacted upland areas by discharging fill

resulting in the spread of exotic invasive species and degraded water quality in the creek. Exotic vegetation that flourished in upland areas resulting from the CSO pipeline are mugwort, Queen Anne's lace, *Phragmites*, Norway maple, sycamore maple, and others. Historically, this site and adjacent areas included a yacht building company, a beach club with bungalow housing, a boat building company, and an iron works.

There are a few natural upland areas in the northeast and southwest parts of Pugsley Creek Park. The unfilled areas in the southwest along Stephens Avenue and areas between Stephens and Hussons Avenues include native forests of hickory, sweetgum, oaks (red, pin, and chestnut), and Sassafras. The understories include arrowwood viburnum, catbrier, dogwood, and *Rubus*. Along with these natives, are plenty of invasives that encroach parts of these unfilled grounds, such as sycamore and Norway maples, Japanese knotweed, white mulberries, *Ailanthus*, garlic mustard, rose, and Japanese honeysuckle vines. Unlike the southwest areas, the unfilled areas in northeastern corner of the park on Lacombe and Screvin Avenues do not have areas dominated with native vegetation. Instead these areas are infested mainly with invasive Japanese knotweed, garlic mustard, *Ailanthus*, black locust, and white mulberries. The dominant natives of this part of the park are black cherries and box elder. On the western side of the park along Compton Ave, are unfilled areas of what once stood residential houses during the 1950's, that had since been demolished. There are still some remnants of the foundation that used to be there along with plenty of trash and dumping. Presently, at those locations are Sycamore maple and box elder forests with areas of Japanese knotweed.

A baseball field is located on Puglsey and Randall Avenues just north of the main Pugsley Creek Park. The baseball field was formed over historic wetland. Southeast of the baseball field is an unfilled natural oak forest of white, red, and pin oaks including some black cherries. Invasive Japanese knotweed is encroaching among these natives too.

To facilitate planning and restoration for Pugsley Creek 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 the Pugsley Creek 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.



1 INCH = 600 FEET
 0 600
 Feet



DRAFT ENTITATION UNITS - NOVEMBER 2006
PUGSLEY CREEK PARK
BRONX COUNTY, CITY OF NEW YORK

05/11/2007



City of New York
Parks & Recreation
Natural Resources Group

Arsenal North, 1234 Fifth Avenue, New York, NY 10029

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www.nyc.gov/parks

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1 INCH = 200 FEET

0 200 Feet

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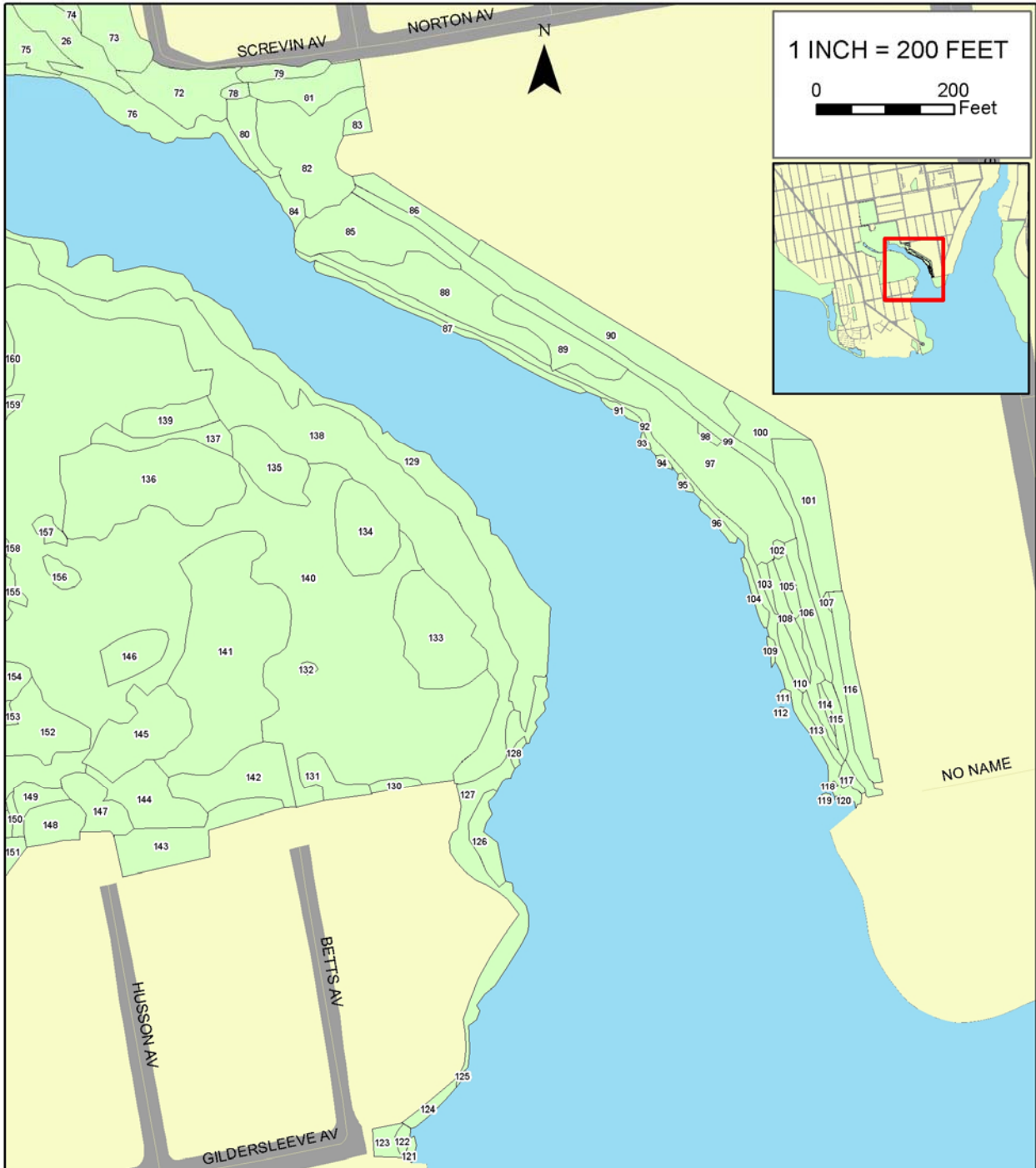


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Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 1
Acreage: 4.965
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'	yes	Landfill	Sports	
Deciduous	Mugwort	<5' & 5-30'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit consists of a fenced in baseball field between Pugsley and Randall Ave. with mugwort, cottonwood, and London plane trees growing along the fence. This is the only area of the park that is currently used for sports. A more natural forest of a different unit is south of baseball field. Other spp: Lamb's quarter, chicory, white mulberry, Oriental bittersweet, Ailanthus, bindweed, ragweed, Virginia creeper, junipers, catalpa, smartweed, thorny sow thistle, Siberian elm, and Japanese knotweed.

Unit: 2
Acreage: 0.526
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Oak, pin	all	no	Landfill		Trash
Deciduous	Oak, white	all	no			Dumping
Lianas	Cherry, black	all	no			
Undulating	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes			

Comments:

Unit is an oak forest of pin, red, and white oaks. The oak forest is located south of baseball field on Pugsley and Lacombe Ave. Japanese knotweed and poison ivy dominate the understory. There are quite a few regenerating black cherries in unit. The unit contains 4 long, rusty pipes and is very rocky with some car parts dumped in the area. Japanese knotweed has been chopped by surveying crew (observed on 11/06). Other spp: box elder, black locust, chives, and garlic mustard. Management concern due to invasive Japanese knotweed.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 3
Acreage: 0.474
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cottonwood, Eastern	>30'	no	Landfill		
Deciduous	Box Elder	5'-30'	no			
Phanerophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Undulating	Mulberry, white	<5' & 5-30'	yes			
Dry/Moist						

Comments:

A cottonwood forest with a white mulberry and box elder subcanopy. Japanese knotweed is the dominant herbaceous species. The cottonwood forest is the transition between the baseball field and the adjacent box elder forest. Other spp: black cherry, chives, mugwort, and garlic mustard. This unit is a management concern because of invasive Japanese knotweed and white mulberry.

Unit: 4
Acreage: 2.363
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	all	no			Trash
Deciduous	Mustard, garlic	<5'	yes			
Geophytes	Virginia creeper	<5' & 5-30'	no			
Undulating	mulberry, white	<5' & 5-30'	yes			
Dry/Moist						

Comments:

This unit is on Pugsley and Lacombe Ave. south of the baseball field. Cottonwoods separate this unit from the baseball field. The unit is dominated by box elders with an understory predominantly of Virginia creeper, garlic mustard and juvenile white mulberries. Other spp: squash spp., silver maple, Norway maple, Oriental bittersweet, porcelainberry, Ailanthus, poison ivy, English ivy, and bedstraw. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 5
Acreage: 0.268
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes	Landfill	Foot traffic	Trash
Deciduous	Locust, black	<5'	yes			
Hemicryptophytes	Snakeroot, white	<5'	no			
Level	Dogbane	<5'	no			
Dry/Moist	Ailanthus	<5'	yes			

Comments:

This is a herbaceous area composed primarily of mugwort, which includes a trail to the interior and the Lacombe Ave. entrance. Cottonwoods and box elders go along school fence of IS 174. Unit ends at top of slope into box elder unit. This unit also contains regenerating species of black locust and Ailanthus. Other spp: porcelainberry, pokeweed, dock, black nightshade, lamb's quarter, horseweed, garlic mustard, bittersweet nightshade, white mulberry, and Queen Anne's lace. MC: trash and invasives

Unit: 6
Acreage: 0.494
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	all	no	Landfill		
Deciduous	Locust, black	all	yes			
Geophytes	Mustard, garlic	<5'	yes			
Undulating	Virginia creeper	<5'	no			
Dry/Moist	Ivy, poison	<5'	no			

Comments:

This unit is predominantly a box elder/ black locust forest with garlic mustard as the dominant understory along with patches of poison ivy and Virginia creeper. The unit contains a lot of trash and concrete remnants, which have been dumped. On the northwest corner of the unit near a trail lies a line of black locusts. The unit is bordered by a trail on 3 sides. Phragmites (unit 11) borders unit to the southeast. A very large willow is in the unit. Other spp: white mulberry, snakeroot, Ailanthus, black cherry, hackberry, silver maple, porcelainberry, rose, Japanese knotweed, mugwort, white ash, London planetree, and elderberry. Possible management concern of invasive garlic mustard and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 7
Acreage: 0.285
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	all	no	Landfill		Trash
Deciduous	Ailanthus	all	yes	Foundation		
Geophytes	Mustard, garlic	<5'	yes			
Undulating						
Dry/Moist						

Comments:

This is a forest consisting of box elders and Ailanthus with garlic mustard as the dominant understory. Unit goes along park fence on Lacombe Ave. until the end of a Japanese knotweed stand on NE corner. The dominant Ailanthus differentiates this unit from adjacent unit 6 across the trail to the west. A foundation appears along fence at Lacombe Ave. Other spp: silver maple, Phragmites, porcelainberry, black locust, rose, Virginia creeper, white snakeroot, Norway maple, poison ivy, and black cherry. MC: invasives and trash.

Unit: 8
Acreage: 0.051
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Honeysuckle, Japanese	<5' & 5-30'	yes	Landfill	Foot traffic	
Deciduous	Cottonwood, Eastern	5'-30'	no			
Lianas						
Knoll						
Dry/Moist						

Comments:

This unit is a vineland of Japanese honeysuckle. The unit is on a knoll just north of the herbaceous field of unit 16. This unit has four cottonwoods, and goes along the trail on Lacombe Ave. MC: infestation of Japanese honeysuckle.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 9
Acreage: 0.104
Mgmt. Concern: Yes

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

Comments:

This unit is a stand of Phragmites mixed with mugwort. It is bordered by Lacombe Ave. and Barret Ave. Park fence borders unit from street. MC: Phragmites

Unit: 10
Acreage: 0.246
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no	Landfill	Foot traffic	Dumping
Deciduous	Black cherry	<5' & 5-30'	no			Trash
Hemicryptophytes	Ivy, poison	<5'	no			
Slope	Mugwort	<5' & 5-30'	yes			
Dry/Moist						

Comments:

Closed forest of box elder and black cherry on a slope bordered by fence of school, IS 174, on one side and Phragmites on the other. The unit is full of dumping and trash. A path is located above the slope along the fence and at the bottom of slope along the Phragmites. Unit levels out on one end where Japanese knotweed starts to appear. A pheasant was spotted in unit. Other spp: white mulberry, snakeroot, cottonwood, mugwort, porcelainberry, black locust, London planetree, Japanese knotweed, garlic mustard, silver maple, Siberian elm, and box elder. MC: dumping and trash.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 11
Acreage: 0.375
Mgmt. Concern: Yes

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

Comments:

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

Unit: 12
Acreage: 0.242
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Phanerophytes Level Dry/Moist	Locust, black Cherry, black Mulberry, white Mustard, garlic Ivy, poison	5'-30' <5' & 5-30' <5' & 5-30' <5' <5'	yes no yes yes no	Landfill		

Comments:

This is a forest of black locust, black cherry, and white mulberry. Garlic mustard and poison ivy are the dominant understory. Unit is bordered by Phragmites to the east and Japanese knotweed to the south. Other species: Japanese honeysuckle, pokeweed, elderberry and Phragmites. MC: invasive garlic mustard and white mulberry.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 13
Acreage: 0.269
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no	Landfill		Trash
Deciduous	Nightshade, common	<5'	yes			
Lianas	Goldenrod	<5'	no			
Undulating						
Dry/Moist						

Comments:

This is a closed box elder forest with patches of vines and pokeweed and is surrounded by Phragmites of unit 138. Ground is filled with bricks and concrete. The creek is seen at the Southwest corner of unit. There was a sighting of a pheasant in the unit. Other spp: poison ivy, Virginia creeper, porcelainberry, garlic mustard, morning glory, and goldenrods. MC:Invasives and trash.

Unit: 14
Acreage: 0.016
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		
Deciduous						
Geophytes						
Slope						
Dry/Moist						

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 15
Acreage: 0.044
Mgmt. Concern: Yes

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

Comments:

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

Unit: 16
Acreage: 2.736
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Mugwort Goldenrod Phragmites Queen Anne's lace	<5' & 5-30' <5' <5' & 5-30' <5'	yes no yes yes	Landfill	Foot traffic	Dirt bike Trash

Comments:

A field of mugwort and goldenrods with dense Phragmites going around perimeter of unit. There are scattered Phragmites within the mugwort field too. A dirt path showing signs of ATV usage makes a loop in the unit. This herbaceous community was possibly formed as a result of combined sewage overflow from a storm sewer pipe that runs through nearby areas. Unit contains some trails with one leading to a dead-end street. Other spp: dogbane, Ailanthus saplings, sycamore maple saplings, box elder, crowned vetch, goldenrod, milkweed, cottonwood, and royal Pawlonia. MC: CSO from storm water pipe and invasive Phragmites.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 17
Acreage: 0.261
Mgmt. Concern: Yes

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

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

Unit: 18
Acreage: 0.072
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:
 This unit consists only of Spartina alterniflora.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 19
Acreage: 0.014
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 20
Acreage: 0.067
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Geophytes Slope Moist	Box Elder Phragmites Cherry, black	5'-30' <5' & 5-30' <5' & >30'	no yes no	Landfill		

Comments:

This is a box elder forest with a Phragmites understory. There are black cherries located on opposite ends of unit. An Ailanthus is at the southwest corner at the edge of the creek. Other spp: Autumn olive, sycamore maple, Japanese knotweed, bittersweet nightshade, and mugwort. MC: Phragmites

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 21
Acreage: 0.066
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 22
Acreage: 0.102
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 23
Acreage: 0.009
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:
 This unit consists of Spartina alterniflora.

Unit: 24
Acreage: 0.01
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:
 This unit consists of Spartina alterniflora.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 25
Acreage: 0.009
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:
 This unit consists of Spartina alterniflora.

Unit: 26
Acreage: 3.763
Mgmt. Concern: No

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

Comments:
 This unit is dominated by Phragmites. Other species present include: Pawlonia tomentosa, black cherry, box elder, grey birch, sycamore maple, and black locust.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 27
Acreage: 0.058
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	5'-30'	yes	Landfill		
Deciduous	Catalpa	5'-30'	yes			
Phanerophytes	Ivy, poison	<5' & 5-30'	no			
Undulating	Locust, black	5'-30'	yes			
Dry/Moist	Sycamore maple	<5' & 5-30'	yes			

Comments:

A forest strip of mulberry, catalpas and maples with poison ivy vines. Unit is just north of Phragmites buffering creek. A cluster of black locusts are at the western corner of unit and catalpas to the east. Other spp: Privet, mugwort, rose, box elder, pin oak, and Oriental bittersweet. MC: invasives

Unit: 28
Acreage: 0.186
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	5'-30'	no	Landfill		Dumping
Deciduous	Norway maple	<5' & 5-30'	yes			Trash
Lianas	Virginia creeper	<5' & 5-30'	no			
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Ivy, poison	<5' & 5-30'	no			

Comments:

This is a box elder and Norway maple forest unit. The outside of unit has Virginia creeper climbing all over the trees. The inside of unit is dominated by garlic mustard and poison ivy along with some Virginia creeper. A dumping pile of sofas and beds is at the northwest corner of unit. Unit is bordered by Phragmites to the east and Japanese knotweed to the south. Other spp: rose, white snakeroot, goldenrod, grass spp., and catalpa. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 29
Acreage: 0.009
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 30
Acreage: 0.275
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Knoll Dry/Moist	Norway maple Box Elder Mugwort	>30' & 5-30' 5'-30' <5' & 5-30'	yes no yes	Landfill		Trash

Comments:

A Norway maple forest on a knoll formed by the dumping of rocks and stones. Unit is located at the dead-end of Barret Ave. There are lots of beer bottles thrown in the unit making up the bulk of the trash. A black cherry is at an end of the unit to the south. Mugwort is the most dominant understory species. Forest is formed on top of the mound, which is the location of the storm sewage pipeline. Other spp: white mulberry, sycamore maple, Siberian elm, poison ivy, honey locust, and a cottonwood. MC: invasives and trash

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 31
Acreage: 0.134
Mgmt. Concern: No

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

Comments:

This unit is dominated by mugwort. This unit is located behind a house on Barrett Avenue and is partially bordered by a large mound of trash.

Unit: 32
Acreage: 0.118
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Phanerophytes Knoll Dry	Box Elder Norway maple	all all	no yes	Landfill		Dumping Trash

Comments:

A box elder and Norway maple forest that differs from adjacent units primarily by lacking in understory vegetation. Unit is a forest growing on a dumped pile of rocks, concrete , and trash. At the south end of unit is a mulberry with Virginia creeper. Unit is bordered by forest on one side and open field on the other. Other spp: Oriental bittersweet, mugwort, poison ivy, and Wisteria. MC: a mound of dumping and invasives.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 33
Acreage: 0.139
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Norway maple	>30'	yes	Landfill		Dumping
Deciduous	Oak, pin	>30'	no	Full-crown tree		Trash
Lianas	Wisteria	<5'	yes			
Undulating	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Catbrier	<5' & 5-30'	no			

Comments:

Unit is predominantly Norway maple and a pin oak forest with lots of Wisteria and poison ivy vines climbing up trees and along ground of unit. Unit is bordered by a mound of dumped garbage to the west. To the east it is bordered by the the rocky slope of a black cherry / maple forest. Dumping of trash and rocks in unit. Other spp: Smilax, Virginia creeper, rose, black cherry, box elder, Japanese knotweed, chives, and pokeweed. MC: invasives and dumping/ trash

Unit: 34
Acreage: 0.114
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Norway maple	all	yes	Landfill	Foot traffic	Dumping
Deciduous	Sycamore maple	all	yes			Trash
Lianas	Cherry, black	<5' & 5-30'	no			
Slope	Ivy, poison	<5' & 5-30'	no			
Dry/Moist						

Comments:

A black cherry and mixed maple forest of sycamore and Norway maples on a slope. A couple of trails border this unit, one of which is at the bottom of slope SW of unit and the other trail borders unit to the west that leads to Phragmites buffered creek. There is a lot of poison ivy on top of sloping large rock piles. Other spp: box elder, staghorn sumac, white mulberry, pin oak, sweet cherry, and rose. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 35
Acreage: 0.226
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Norway maple	<5' & >30'	yes	Landfill		Dumping
Deciduous	Smartweed	<5'	yes	Fence		Trash
Hemicryptophytes	Lamb's quarters	<5'	yes	Full-crown tree		
Level	Willow, black	>30'	no			
Dry/Moist	Oak, pin	>30'	no			

Comments:

A Norway maple forest with a very large willow and pin oak, that have wide canopies. The herbaceous vegetation includes smartweed, pokeweed, and some black locust saplings. Unit is on Lacombe Ave next to private house and business. iUnit is filled with dumping and trash including an old broken fence that cuts through the unit. Very dangerous to walk through unit because of large amounts of dumping. MC: invasives and dumping

Unit: 36
Acreage: 0.132
Mgmt. Concern: No

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

Comments:

This unit is dominated by mugwort.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 37
Acreage: 0.064
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, sweet	<5' & 5-30'	yes	Landfill		
Deciduous	ivy, posion	<5'	no			
Lianas	Mustard, garlic	<5'	yes			
Undulating	Rose	<5'	yes			
Dry/Moist						

Comments:

A sweet cherry forest with a herbaceous layer of mugwort, rose, and poison ivy. Unit ends where ground begins to slope. Other spp: white mulberry, dock, and Norway maple sapling. MC: invasives

Unit: 38
Acreage: 0.165
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, black	5'-30'	no	Landfill	Foot traffic	Dumping
Deciduous	Locust, black	5'-30'	yes			Trash
Undulating	Rubus	<5'	no			
Dry/Moist	goldenrods	<5'	no			

Comments:

A closed forest strip of black cherry and black locust along a Phragmites layer to the west. Smartweed at the east part of unit along trail. Lots of dumping and trash in unit including old car parts. MC: dumping

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 39
Acreage: 0.236
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Norway maple	all	yes	Landfill		Fire
Deciduous	Box Elder	<5' & 5-30'	no			Dumping
Lianas	Virginia creeper	<5' & 5-30'	no			Auto
Depression	Rose	<5' & 5-30'	yes			
Dry						

Comments:

A Norway maple/ box elder forest that leads into a depression. A lot of dumping and trash in depression, including a whole car. Virginia creeper is the leading understory species along with rose and some poison ivy. Some signs of fire from burnt logs, Probably used to burn dumped car. The dominance of rose in unit makes the composition different from unit 28. Other spp: White mulberry, black cherry, Japanese knotweed, garlic mustard, black locust, sycamore maple, and cottonwood. Trees have been cut down by surveying crew (observed on Nov. 2006). MC: invasive Norway maple and rose and dumping

Unit: 40
Acreage: 0.37
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	5'-30'	yes	Landfill		Dumping
Deciduous	Norway maple	all	yes			Trash
Geophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Level	Virginia creeper	<5'	no			
Dry/Moist	Mustard, garlic	<5'	yes			

Comments:

Unit is primarily a white mulberry forest with a subcanopy of Norway maple and 2 large cottonwoods. Understory consists of Virginia creeper, poison ivy, and garlic mustard. Japanese knotweed surrounds the perimeter of unit. Along the park fence on Lacombe Ave. are some ash saplings, elm, and a pin oak. There are black cherry saplings scattered throughout the area. Other spp: garlic mustard, poison ivy, bittersweet nightshade, mugwort, and box elder. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 41
Acreage: 0.189
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Dumping
Deciduous	Norway maple	all	yes	Phone pole		Trash
Phanerophytes	Sycamore maple	all	yes			
Level	Cherry, black	<5' & 5-30'	no			
Dry/Moist	Box Elder	<5' & 5-30'	no			
	Mustard, garlic	>5'	yes			

Comments:

Unit is a forest of black locust, maples, and black cherries. There are a lot of maple and black cherry saplings. Two type of maples in unit and they are Norway and sycamore. Garlic mustard is the majority of the herbaceous species. Unit is bordered by a black locust forest with mugwort and rose. A telephone pole is in the unit. Other spp: Virginia creeper, rose, dock, poison ivy, Japanese knotweed, pin oak, red oak, and cottonwood. MC: invasives and trash

Unit: 42
Acreage: 0.092
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Rose	<5' & 5-30'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

A black locust forest with mugwort, rose and garlic mustard understory. A white mulberry borders unit to the west and mugwort field to the south. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 43
Acreage: 0.015
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 44
Acreage: 1.284
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Mugwort Goldenrod	<5' & 5-30' <5'	yes no	Landfill		Trash

Comments:

This is a field of mostly mugwort and goldenrod with some scattered sumacs and sweet clover. Other spp: Queen Anne's lace, black locust, cottonwood, white mulberry, Ailanthus, black cherry, buckthorn, and Japanese knotweed.

The unit has a few trails for foot traffic. There is some trash in unit.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 45
Acreage: 0.277
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		Dumping

Comments:

This unit consists of an open field of Japanese knotweed. MC: whole dumped car in unit, Japanese knotweed is an invasive species.

Unit: 46
Acreage: 0.132
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Geophytes Undulating Dry/Moist	Mulberry, white Cherry, black Knotweed, Japanese Box Elder Mustard, garlic	5'-30' <5' & >30' 5'-30' <5' & 5-30' <5'	yes no yes no yes	Landfill		Trash

Comments:

A small strip of forest with a knotweed understory. The forest has 3 different tree species: white mulberry, black cherry, and a box elder. Japanese knotweed is the main understory species with some garlic mustard scattered around. Other spp: bittersweet nightshade, dock, Japanese honeysuckle, black raspberry, poison ivy, and Norway maple saplings. Japanese knotweed and box elders have been chopped down by surveying crew for future greenway path (Nov. 2006). MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 47
Acreage: 0.242
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, black	all	no	Landfill		Fire
Deciduous	Norway maple	all	yes			Dumping
Geophytes	Mulberry, white	<5' & 5-30'	yes			Trash
Undulating	Mustard, garlic	<5'	yes			
Dry/Moist	Ivy, poison	<5' & 5-30'	no			

Comments:

A mixed forest of Norway maple, black cherry, and white mulberry. There are some box elders and black locusts in unit. Garlic mustard, poison ivy, and rose dominate the understory. Unit is bordered by a black locust/ box elder forest and a mugwort field. A depression is in unit full of trash and dumping. Evidence of fire based on burnt wood on ground. A rat was spotted in unit. MC: invasives and dumping.

Unit: 48
Acreage: 0.512
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Fire
Deciduous	Mulberry, white	<5' & 5-30'	yes			Dumping
Hemicryptophytes	Mugwort	<5'	yes			Trash
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Dock spp.	<5'	no			
	Bedstraw	<5'	no			

Comments:

A black locust forest unit with white mulberry as a secondary species. The herbaceous community consists of many different vegetation such as mugwort, garlic mustard, bedstraw, rose, and dock. To the north is an area of the unit consisting only of white mulberry and mugwort. The herbaceous layer of mugwort differs from adjacent units. Other spp: Black locust saplings, black cherry, rubus, sedge spp., grass spp., bittersweet nightshade, Japanese honeysuckle, sycamore maple. Dumping of trash, car parts, and tires. MC: invasives and dumping

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 49
Acreage: 0.194
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Fire
Deciduous	Box Elder	<5' & 5-30'	no			Dumping
Geophytes	Mustard, garlic	<5'	yes			Trash
Level	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Dock spp.	<5'	no			
	Cherry, black	<5' & 5-30'	no			

Comments:

A black locust/ Box elder unit with an understory dominated by garlic mustard, poison ivy, and dock. The presence of box elder and absence of mugwort differs from adjacent units. A lot of trash and burned wood on the ground. Other spp: rubus, rose, and Virginia creeper. MC: invasives and dumping.

Unit: 50
Acreage: 0.073
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, black	<5' & 5-30'	no	Landfill		Dumping
Deciduous	Ivy, poison	<5' & 5-30'	no			Auto
Lianas						Trash
Slope						
Dry/Moist						

Comments:

A very small black cherry forest on a slope with climbing poison ivy and some mugwort. A whole car dumped several years ago has yet to be removed. MC: dumped car.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 51
Acreage: 0.122
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	5'-30'	yes	Landfill		Dumping
Deciduous	Ivy, poison	<5' & 5-30'	no			Trash
Lianas	Rose	<5'	yes			
Slope						
Dry/Moist						

Comments:

A small Ailanthus forest with some mulberries on a slope leading to adjacent Phragmites wetland to the south. Understory consists of poison ivy and rose. Unit is bordered by open field to the northeast. There is dumping of tires and trash at bottom of slope. Other spp: mugwort, willow oak, and elm. MC: invasives and dumping.

Unit: 52
Acreage: 0.168
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Sycamore maple	all	yes	Landfill		Dumping
Deciduous	Norway maple	all	yes			Trash
Lianas	Cherry, black	all	no			
Depression	Ailanthus	all	yes			
Dry	Ivy, poison	<5' & 5-30'	no			
	Rose	<5 & 5'-30'	yes			

Comments:

This unit is a Norway and sycamore maple/ black cherry forest. There are fewer Ailanthus, but is still considered dominant. Unit is a depression and is bordered by a box elder forest to the north, mugwort field to the west, and Phragmites to the south, where rocky depression ends. The unit goes narrowly parallel to the Phragmites at the edge of forest. Other spp: Virginia creeper, Japanese knotweed, and sweet cherry. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 53
Acreage: 0.289
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	>30' & 5-30'	no	Landfill		Dumping
Deciduous	Ailanthus	all	yes			Trash
Lianas	Ivy, poison	<5' & 5-30'	no			
Undulating	Rose	<5' & 5-30'	yes			
Dry/Moist	Mustard, garlic	<5'	yes			

Comments:

A large closed forest dominated by box elder with significant amounts of Ailanthus, poison ivy, rose, garlic mustard, and Japanese knotweed dispersed throughout unit. Heavy dumping of trash, concrete, and car parts. Climbing poison ivy are plentiful throughout. Unit is bordered by a fence on Screvin Ave, two cottonwoods at SE corner, and to the west is a maple/cherry forest. Other spp. black cherry, chvies, sycamore maple, black locust, white mulberry, and Norway maple. Woodpeckers and a cat were seen in unit. MC: invasives and dumping.

Unit: 54
Acreage: 0.037
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	>30'	yes	Landfill		Trash
Deciduous	Bedstraw	<5'	no			
Lianas	Nightshade, bittersw	<5'	yes			
Level						
Dry/Moist						

Comments:

A small black locust forest bordered by fence on Screvin Ave. Bedstraw dominates the herbaceous layer. Other spp: mugwort, Japanese knotweed, bindweed, and Ailanthus. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 55
Acreage: 0.075
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes			
Deciduous	Bindweed	<5'	yes			Dumping
Hemicryptophytes Level						Trash
Dry/Moist						

Comments:

This is a small area of mugwort with bindweed vines. The unit is located along the fence on Screvin Ave. Other spp: Ailanthus sapling, dock, lamb's quarter, smartweed, and box elder. MC: invasives and trash.

Unit: 56
Acreage: 0.557
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Dumping
Deciduous	Box Elder	all	no			Trash
Geophytes	mulberry, white	all	yes			
Undulating	Knotweed, Japanese	<5'	yes			
Dry/Moist	Mustard, garlic	<5'	yes			

Comments:

In this forest unit, black locust is the dominant overstory, box elder is the secondary story, with white mulberry in the understory. The herbaceous community includes garlic mustard and 2 stands of Japanese knotweed. This unit consists of Japanese knotweed and garlic mustard which makes it different from adjacent units. One point of the unit touches fence border. In the depressions of the unit there is heavy dumping. Other spp. curly dock, rose, Norway maple, poison ivy, hackberry, and black cherry. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 57
Acreage: 0.009
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		Dumping
Deciduous	Bindweed	<5' & 5-30'	yes			Trash
Geophytes						
Level						
Dry/Moist						

Comments:

This is a Japanese knotweed unit covered with bindweed. Unit is bordered by black locust forests. MC: invasives

Unit: 58
Acreage: 0.394
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Dumping
Deciduous	Mugwort	<5' & 5-30'	yes			Trash
Hemicryptophytes	Mustard, garlic	<5'	yes			
Level						
Dry/Moist						

Comments:

A black locust forest with an understory of mugwort and garlic mustard. There is a small patch of goldenrods at the NW corner of unit. The mugwort understory differentiates this unit from adjacent units. A large open mugwort field borders unit to the west. There are some dock and bedstraw in parts of the area. Other spp: Norway maple, black cherry sapling, bittersweet nightshade, Ailanthus sapling, white mulberry, sycamore maple, dock, and bedstraw. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 59
Acreage: 0.108
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes			
Deciduous	Bindweed	<5'	yes			Dumping
Hemicryptophytes						Trash
Level						
Dry/Moist						

Comments:

This is a small area of mugwort with bindweed vines. The unit is located along the fence on Screvin Ave. A gated entrance to the park is located on the west side of the unit. Other spp: Ailanthus saplings, dock, lamb's quarter, smartweed, and box elder.
 MC: invasives and trash

Unit: 60
Acreage: 0.049
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	>30'	yes			Trash
Deciduous	Cherry, black	<5' & 5-30'	no			
Geophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

A closed forest predominantly black cherry and Ailanthus. Although most of understory is dominated by Japanese knotweed, some is dominated by garlic mustard. The unit is largely surrounded by a Japanese knotweed unit. Other spp: rose, box elder, black locust, and mugwort. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 61
Acreage: 0.043
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	>30'	yes			Fire
Deciduous	Norway maple	<5' & 5-30'	yes			Trash
Geophytes	Box Elder	<5' & >30'	no			
Knoll	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

This is a small forest unit with a mix of different tree species. The tree species include box elder, white mulberry, and Norway maple. There is little ground vegetation with garlic mustard comprising most of it. There is some evidence of fire in unit based on pieces of burnt wood on the ground. The unit is partially on a knoll and some of unit is leveled. Other spp: bitternut hickory sapling, and black cherry. MC: invasives

Unit: 62
Acreage: 0.02
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	<5' & >30'	yes			Trash
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This is an Ailanthus forest with dominant mugwort in the understory. Unit is along the fence on Lacombe Ave. bordered on the south by Japanese knotweed. Other spp: Virginia creeper, box elder sapling, and black cherry sapling. MC: Ailanthus

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 63
Acreage: 0.078
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	>30' & 5-30'	yes			Dumping
Deciduous	Cherry, black	all	no			Trash
Geophytes	Mulberry, white	>30' & 5-30'	yes			
Undulating	Mustard, garlic	<5'	yes			
Dry/Moist	Rose	<5'	yes			

Comments:

This unit is a black locust, black cherry, and white mulberry forest with black cherry saplings, garlic mustard, and rose dominating the understory. Unit is between an open Japanese knotweed field and a black locust with mugwort forest. There is a considerable amount of dock which one can argue as dominant. On one side of the unit, towards the east, are more adult black cherry trees located in a depression. Other spp: poison ivy, hackberry, chives, Japanese knotweed, and Norway maple. MC: invasives and dumping.

Unit: 64
Acreage: 0.121
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	>30' & 5-30'	yes			Dumping
Deciduous	Box Elder	<5' & 5-30'	no			Trash
Geophytes	Mustard, garlic	<5'	yes			
Level	Mulberry, white	>30' & 5-30'	yes			
Dry/Moist	Locust, black	>30' & 5-30'	yes			

Comments:

An Ailanthus/ box elder forest with garlic mustard in the understory. A white mulberry lies on the ground across the center of unit. On the east side, Ailanthus tend to be the most dominant tree species. Unit is bordered by Japanese knotweed to the north and east and black locust forest to west. There is also dumping of concrete and car parts on the east side of unit. Other spp: poison ivy, curly dock, black cherry, Norway maple, Virginia creeper, Japanese knotweed, and black locust. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 65
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>Disturbance</u>
Closed Forest	Cherry, black	>30' & 5-30'	no			Dumping
Deciduous	Knotweed, Japanese	<5'	yes			Trash
Geophytes						
Level						
Dry/Moist						

Comments:

A black cherry forest with a Japanese knotweed understory. Japanese knotweed infestation spills into adjacent Ailanthus unit. Dumping of concrete in unit. Other spp: garlic mustard, Virginia creeper, hackberry, lamb's quarter, black locust saplings.
 MC: Japanese knotweed

Unit: 66
Acreage: 0.079
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	>30'	yes	Landfill		
Deciduous	Knotweed, Japanese	<5' & 5-30'	yes			
Geophytes						
Level						
Dry/Moist						

Comments:

A black locust forest with a Japanese knotweed understory. The Japanese knotweed understory differs from the understory of adjacent units. Some of the Japanese knotweed and black locusts have been chopped by surveying crew (observed on Nov. 2006).
 MC: Japanese knotweed.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 67
Acreage: 0.12
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Geophytes Level Dry/Moist	Ailanthus Knotweed, Japanese	<5' & 5-30' <5' & 5-30'	yes yes	Landfill		Dumping Trash

Comments:

A woodland unit of Ailanthus along Lacombe Ave. with a Japanese knotweed understory. Bindweed growing on park border fence. There is some mugwort in unit. Unit is bordered by an open knotweed field and a black locust forest. A Pugsley Creek Park sign is on the fence of unit. Other spp: black locust, white mulberry, box elder, and bindweed. Japanese knotweed have been cut down by surveying crew (observed on Nov 2006). MC: invasive Japanese knotweed and Ailanthus.

Unit: 68
Acreage: 0.151
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 69
Acreage: 0.062
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	>30' & 5-30'	yes			Trash
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Cottonwood, Eastern	>30'	no			
Level						
Dry/Moist						

Comments:

This unit is a black locust forest with mugwort dominating the understory. There is only one cottonwood, but its canopy dominates a section of the unit. Unit is surrounded by Japanese knotweed. There are a few stones lined up in the unit. Other spp: garlic mustard. MC: black locust

Unit: 70
Acreage: 0.039
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Willow, black	5'-30'	no			Trash
Deciduous	Knotweed, Japanese	<5'	yes			
Hemicryptophytes	Phragmites	<5'	yes			
Level	Aster	<5'				
Dry/Moist						

Comments:

This unit consists of a row of black willows along the fence on Screvin Ave. The understory has a combination of Japanese knotweed, Phragmites, and asters. Other spp: box elder sapling, Virginia creeper, goldenrod, mugwort, poison ivy, and some cottonwoods.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 71
Acreage: 0.047
Mgmt. Concern: Yes

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

Comments:

This unit is dominated by Phragmites. It is bordered on one side by a fence along Screvin Avenue at the NE corner of the park.

Unit: 72
Acreage: 0.229
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Lianas Level Dry/Moist	Locust, black Mulberry, white Bedstraw Cool season grass Box Elder	all 5'-30' <5' <5' <5' & 5-30'	yes yes no yes no	Landfill Phone pole Fence		Trash

Comments:

A black locust forest unit at the corner of Screvin and Barret Ave. White mulberry and box elder dominate the subcanopy while bedstraw and grass spp: dominate the herbaceous layer. An old fence cuts through unit next to the current park border fence. A phone pole stands next to the park border fence. A resident complained of bedstraw destroying some vegetation in this area. Other spp: Asiatic dayflower, bedstraw, bittersweet nightshade, snakeroot, dock, Virginia creeper, Norway maple, rose. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 73
Acreage: 0.326
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no	Landfill		Dumping
Deciduous	Ailanthus	<5' & 5-30'	yes			Trash
Lianas	Mugwort	<5'	yes			
Slope	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Bedstraw	<5'	no			

Comments:

Unit is predominantly a box elder forest in a unit of different species. Ailanthus is second dominant. The understory consists mainly of mugwort, poison ivy, wild cucumber, bedstraw, Amur honeysuckle, and rose. The creek is west of unit. A Siberian elm is located to the south and two large cottonwoods are along fence at NE corner of Screvin Ave. Other spp: pin oak, bindweed, black walnut, smooth sumac, Norway maple, garlic mustard, and hackberry. MC: invasives

Unit: 74
Acreage: 0.08
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	marsh elder	<5'	no	Landfill		
Deciduous						
Chamaephytes						
Slope						
Dry/Moist						

Comments:

This unit is marsh elder along the rocky shoreline above the Spartina alterniflora. The unit on the northeast part of the park has a dumped car in it.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 75
Acreage: 0.408
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	spike grass	<5'	no	Landfill		

Comments:

This is a spike grass area along with some *Spartina patens* at low marsh located at the NE part of Pugsley Creek Park.

Unit: 76
Acreage: 0.473
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	<i>Spartina alterniflora</i>	<5'	no	Landfill		

Comments:

This unit consists of all the areas of *Spartina alterniflora*. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 77
Acreage: 0.006
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	spike grass	<5'	no	Landfill		

Comments:

This is a spike grass area along with some Spartina patens at low marsh located at the NE part of Pugsley Creek Park.

Unit: 78
Acreage: 0.019
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Lianas Undulating Dry/Moist	Locust, black Ivy, poison Virginia creeper Planetree, London	>30' <5' & 5-30' <5' & 5-30' 5'-30'	yes no no yes	Landfill		Fire Trash

Comments:

A small unit mainly composed of black locust and a dominant London planetree. Poison ivy and Virginia creeper climbing trees and on the ground. Evidence of fire based on burnt wood material in unit.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 79
Acreage: 0.061
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	>30'	yes	Landfill		Dumping
Deciduous	Box Elder	>30' & 5-30'	no			Trash
Geophytes	Mulberry, white	>30'	yes			
Knoll	Knotweed, Japanese	<5'	yes			
Dry						

Comments:

Unit is a small strip of trees between park fence on Norton Ave. and adjacent Japanese knotweed unit. Black locust and box elder are dominant, and Japanese knotweed is scattered around in an almost unvegetated understory. Other spp: hackberry, Virginia creeper, and black cherry. Unit is on a knoll. Dumping of trash and concrete. MC: invasives and dumping.

Unit: 80
Acreage: 0.088
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 81
Acreage: 0.152
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of an open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 82
Acreage: 0.401
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Phanerophytes Knoll Dry/Moist	Norway maple Hackberry Ivy, poison	all <5' & 5-30' <5' & 5-30'	yes no no	Landfill Fence Phone pole	Foot traffic	Fire

Comments:

Unit is mostly a Norway maple forest with hackberry and poison ivy understory. Unit is just west of the benches going in a semicircle on Olmstead Ave. A fence cuts through unit and old fence posts go around unit behind benches on Olmstead Ave.

A burned phone pole is on the north side of fence probably a reason Japanese knotweed has taken over near the forest. There are some regeneration of maples and hackberry. Most of the area is on a hill, but levels out where fence cuts through.

West side of unit is the Phragmites buffer of creek. Other spp: cottonwood, smartweed, Virginia creeper, black cherry, rose, garlic mustard, white mulberry, and Norway maple. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 83
Acreage: 0.026
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Cool season grass	<5'	yes	Landfill		

Comments:

Managed lawn area located next to benches near where Screvin Avenue becomes Norton Avenue.

Unit: 84
Acreage: 0.045
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scarcely Vegetated				Landfill		

Dry

Comments:

The rocky portions mostly along the coast of the southeast and deep south parts of the park. The rocky portions are scarcely vegetated with some rockweed and Orach.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 85
Acreage: 0.301
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Planetree, London	>30'	yes	Landfill	Foot traffic	
Deciduous	Mulberry, white	<5' & 5-30'	yes	Hedgerow	Bike/ ATV	
Hemicryptophytes	Hackberry	<5' & 5-30'	no	Exotic planting		
Level	Mugwort	<5'	yes			
Dry/Moist	Ivy, poison	<5' & 5-30'	no			
	Box Elder	<5' & 5-30'	no			

Comments:

Unit is a London planetree forest with hackberry and white mulberry as the secondary species. Mugwort, goldenrods, poison ivy make up the herbaceous layer. London planetrees are planted along a trail in a hedgerow form. The unit is surrounded by mugwort field on two sides. Other spp: rose, black cherry, Japanese knotweed, goldenrod, poison ivy, garlic mustard, basswood, box elder, Phragmites, sycamore maple saplings, and cool season grasses.

Unit: 86
Acreage: 0.105
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Aster	<5'	no	Landfill		
Deciduous	Ragweed, common	<5'	no			
Hemicryptophytes	switchgrass	<5'	no			
Slope	Smartweed	<5'				
Dry/Moist	Thistle, bull	<5'				

Comments:

A herbaceous community with a mix of asters, ragweed, mugwort, switchgrass, bull thistles, and goldenrods on a slope. On top of slope is Barret Ave. and the bottom is bordered by a lawn of cool season grass. The unit goes until it transitions from a mixture of vegetation to a predominantly mugwort unit. At the other end of unit is a staircase leading to the trail. There are a few mulberry saplings by the staircase.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 87
Acreage: 0.099
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by *Spartina alterniflora*. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 88
Acreage: 0.336
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Mugwort Clover, sweet white	<5' & 5-30' <5' & 5-30'	yes yes	Landfill		

Comments:

A predominantly mugwort field with sweet clover. Sweet clover may indicate some past disturbance. Two patches of sumac are present. One of the patches has staghorn sumac and the other patch is smooth sumac. Other spp. basswood, mulberry, Norway maple, goldenrods, honey locust, red clover, Queen Anne's lace, Ailanthus, olive, poison ivy, cottonwood, and some Phragmites.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 89
Acreage: 0.159
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Norway maple	>30' & 5-30'	yes	Landfill		
Deciduous	Mulberry, white	5'-30'	yes			
Phanerophytes	Cherry, black	<5' & 5-30'	no			
Level	Mugwort	<5'	yes			
Dry/Moist						

Comments:

A woodland unit of maple, mulberry, and black cherry with a herbaceous layer consisting of mugwort and some poison ivy. Mugwort field surrounds unit. Other spp: poison ivy, pin oak, and cottonwood. MC: invasives

Unit: 90
Acreage: 0.374
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes	Landfill		
Deciduous	Ragweed, common	<5'	no			
Hemicryptophytes	Queen Anne's lace	<5'	yes			
Slope	Grass, switch	<5'	no			
Dry/Moist						

Comments:

A herbaceous unit on a slope downhill from Barret Ave. The dominant species are mugwort, ragweed, Queen Anne's lace, and switchgrass. The unit decreases in mugwort and increases in switch grass at a transitional point. Unit ends where switchgrass becomes most dominant. This area was planted as part of housing construction. Other spp: Bull thistles, beach grass, one eyed Susan, red clover, smartweed, horseweed, and daisy fleabane.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 91
Acreage: 0.014
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 92
Acreage: 0.291
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scarcely Vegetated				Landfill		

Dry

Comments:

The rocky portions mostly along the coast of the southeast and deep south parts of the park. The rocky portions are scarcely vegetated with some rockweed and Orach.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 93
Acreage: 0.005
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 94
Acreage: 0.006
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 95
Acreage: 0.007
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 96
Acreage: 0.019
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 97
Acreage: 0.537
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		
Deciduous	Clover, sweet white	<5' & 5-30'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

A predominantly mugwort field with sweet clover. Sweet clover may indicate some past disturbance. Other spp: basswood, mulberry, Norway maple, goldenrod, honey locust, red clover, Queen Anne's lace, Ailanthus, Autumn olive, poison ivy, and some Phragmites.

Unit: 98
Acreage: 0.011
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 99
Acreage: 0.439
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass	<5'	yes	Landfill	Bike/ ATV Foot traffic	

Comments:

Managed lawn area with a bike or walking trail going in between two sides of cool season grasses. Stairway on Norton Ave leads to this trail.

Unit: 100
Acreage: 0.114
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Grass, switch beach grass	<5' <5'	no no	Landfill		

Comments:

A switchgrass / beach grass unit on a slope downhill from Barret Ave. and goes to the corner at Howe Ave. It is bordered by mugwort on two sides. Other spp: Queen Anne's lace, daisy fleabane, mugwort, and foxtail. This area was planted as part of housing construction.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 101
Acreage: 0.254
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	beach- grass	<5'	no	Landfill	Foot traffic	
Deciduous	Grass, switch	<5'	no			
Geophytes	Mugwort	<5'	yes			
Slope						
Dry/Moist						

Comments:

Grassy unit of beach and switch grasses where a staircase runs though the unit. Some mugwort is scattered around the unit too. Other spp: ragweed, sweet clover, red clover, foxtail, dandelion, Queen Anne's lace, horseweed, daisy fleabane, goldenrod, and seaside goldenrod. This unit was also planted as part of housing construction along with units 86, 90, and 100.

Unit: 102
Acreage: 0.009
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 103
Acreage: 0.018
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	marsh elder	<5'	no	Landfill		
Deciduous	goldenrod	<5'	no			
Chamaephytes						
Level						
Moist						

Comments:

This area is a divided marsh elder unit that is split by a trail. There are these orange powder- like material on the goldenrods that seems to be killing them off. Other spp: Phragmites, Virginia creeper, sweet clover, and spike grass.

Unit: 104
Acreage: 0.024
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Spartina alternaflora	<5'	no	Landfill		
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is dominated by Spartina alternaflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 105
Acreage: 0.038
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		
Deciduous	Clover, sweet white	<5' & 5-30'	yes			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

A predominantly mugwort field with sweet clover. Sweet clover may indicate some past disturbance. Other spp: basswood, mulberry, Norway maple, goldenrod, honey locust, red clover, Queen Anne's lace, Ailanthus, Autumn olive, poison ivy, and some Phragmites.

Unit: 106
Acreage: 0.092
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	beach grass	<5'	no	Landfill		
Deciduous	Cool season grass	<5'	yes			
Geophytes	Clover, sweet white	<5'	yes			
Level	Goldenrod, seaside	<5'	no			
Dry/Moist						

Comments:

Unit is a strip of beach grass and clover field with scattered seaside goldenrod. Unit bordered by lawn and a marsh elder unit. Other spp: ragweed, mugwort, marsh elder, daisy fleabane, and Phragmites.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 107
Acreage: 0.005
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5'	yes	Landfill		
Deciduous	Queen Anne's lace	<5'	yes			
Geophytes	Dock spp.	<5'	no			
Level						
Dry/Moist						

Comments:

This is an area colonized by young Phragmites and other vegetation next to wall. Some Queen Anne's lace, aster, and dock in unit.

Unit: 108
Acreage: 0.059
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	spike grass	<5'	no	Landfill	Foot traffic	Trash
Deciduous						
Hemicryptophytes						
Level						
Wet						

Comments:

Mostly a spike grass unit with some other vegetation like seaside goldenrod and orach. This unit is a small strip near the water and marsh elder unit. At one part of the unit is almost bare with some spike grass in it.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 109
Acreage: 0.007
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alternaflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alternaflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 110
Acreage: 0.097
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Level Moist	marsh elder Goldenrod	<5' <5'	no no	Landfill		

Comments:

This area is a divided marsh Elder unit that is split by a trail. There are these orange powder- like material on the goldenrods that seems to be killing them off. Other spp: Phragmites, Virginia creeper, sweet clover, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 111
Acreage: 0.005
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 112
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 113
Acreage: 0.027
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Wet	spike grass	<5'	no	Landfill	Foot traffic	Trash

Comments:

Mostly a spike grass unit with some other vegetation like seaside goldenrod and orach. This unit is a small strip near the water and marsh elder unit. At one part of the unit is almost bare with some spike grass in it.

Unit: 114
Acreage: 0.013
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Level Dry/Moist	Ivy, poison Dogbane	<5' <5'	no no	Landfill		

Comments:

A small strip of poison ivy on top of a low wall going in a linear fashion between a marsh elder unit 110 and clover unit 115. An Ailanthus cluster is at one side. Other spp: Virginia creeper and Ailanthus.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 115
Acreage: 0.036
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Clover, red	<5'	yes	Landfill		
Deciduous	Queen Anne's lace	<5'	yes			
Hemicryptophytes	Ragweed, common	<5'	no			
Level						
Dry/Moist						

Comments:

This is a red clover unit with Queen Anne's lace and ragweed as second dominant. Unit is bordered by cool season grass and a row of poison ivy. A grassy transitional area marks a border of unit. Other spp: seaside goldenrod, sweet clover, mugwort, cool season grass, chicory, evening primrose, daisy fleabane.

Unit: 116
Acreage: 0.147
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Queen Anne's lace	<5'	yes	Landfill		
Deciduous	Clover, red	<5'	yes			
Hemicryptophytes	Mugwort	<5'	yes			
Slope	Arrowwood	<5'	no			
Dry/Moist						

Comments:

Unit is a herbaceous community on top of a wall near the path. The unit has 3 distinct sections, a layer of clover and chicory closest to the street, a Queen Anne's lace layer toward middle, and the lower level closest to the trail consists of arrowwood. Unit goes along Barret Ave. and a cluster of trees border unit to the south at Hart St. Other spp: sweet clover, foxtail, Virginia creeper, plantain, Japanese knotweed, goldenrods, ragweed, and dock.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 117
Acreage: 0.02
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Ragweed, common	<5'	no	Landfill	Foot traffic	
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Queen Anne's lace	<5'	yes			
Level	Clover, sweet white	<5'	yes			
Dry/Moist						

Comments:

A herbaceous unit consisting mostly of ragweed and mugwort bordered by a sandy region near the water and by the lawn of cool season grass. A small path runs through unit. Other spp: daisy fleabane, seaside goldenrod, clovers, chicory, orach, goldenrod, marsh elder.

Unit: 118
Acreage: 0.003
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Spartina alterniflora	<5'	no	Landfill		
Deciduous						
Hemicryptophytes						
Level						
Surface water						

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 119
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 120
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 121
Acreage: 0.009
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 122
Acreage: 0.017
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of an open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 123
Acreage: 0.038
Mgmt. Concern: Yes

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

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

Unit: 124
Acreage: 0.033
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:
 This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 125
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 126
Acreage: 0.078
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 127
Acreage: 0.321
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scarcely Vegetated				Landfill		

Dry

Comments:

The rocky portions mostly along the coast of the southeast and deep south parts of the park. The rocky portions are scarcely vegetated with some rockweed and Orach.

Unit: 128
Acreage: 0.011
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 129
Acreage: 0.98
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 130
Acreage: 0.024
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		Dumping

Comments:

This unit consists of an open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 131
Acreage: 0.078
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Ivy, poison	<5' & 5-30'	no	Landfill		
Deciduous	honeysuckle, Japanese	<5' & 5-30'	yes			
Lianas	Virginia creeper	<5' & 5-30'	no			
Level	Mulberry, white	<5' & 5-30'	yes			
Dry/Moist						

Comments:

A vineland of poison ivy, Japanese honeysuckle, and Virginia creeper. Vines are infesting the white mulberry that is in the unit. To the west of unit is a boat belonging to private residence. MC: invasive vines and white mulberry.

Unit: 132
Acreage: 0.009
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	bittersweet, Oriental	<5' & 5-30'	yes	Landfill		
Deciduous	Ailanthus	5'-30'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

A vineland of Oriental bittersweet surrounded by a mugwort field. Ailanthus is the victim of Oriental bittersweet infestation. Other spp: poison ivy, mugwort, and milkweed. MC: infestation of Oriental bittersweet.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 133
Acreage: 0.356
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Level Dry/Moist	Locust, black Mugwort	<5' & 5-30' <5'	yes yes	Landfill		

Comments:

This unit consists of a dense black locust forest with a mugwort understory. It is bordered by mugwort fields and Phragmites buffering a creek. MC: black locusts

Unit: 134
Acreage: 0.229
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Level Dry/Moist	Locust, black	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of a dense black locust forest with a mugwort understory. It is bordered by mugwort fields and Phragmites buffering a creek. MC: black locusts

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 135
Acreage: 0.185
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Level Dry/Moist	Locust, black	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of a dense black locust forest with a mugwort understory. It is bordered by mugwort fields and Phragmites buffering a creek. MC: black locusts

Unit: 136
Acreage: 0.647
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Undulating Dry/Moist	Locust, black Ailanthus Mugwort mulberry, white Cherry, black	all <5' & 5-30' <5' <5' & 5-30' <5' & 5-30'	yes yes yes yes no	Landfill	Foot traffic	Dumping Trash

Comments:

This is predominantly a black locust and Ailanthus forest. Mugwort, mulberry, and black cherry saplings dominate the understory. There are car parts in the unit. A path runs through the unit and is covered with bindweed and sweet clover. Other spp: box elder sapling, milkweed, poison ivy, cottonwood, evening primrose, lamb's quarter, bittersweet nightshade, and Japanese knotweed. MC: invasives and dumping

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 137
Acreage: 0.107
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Sumac, smooth	<5' & 5-30'	no	Landfill	Foot traffic	
Deciduous	Sumac, staghorn	<5' & 5-30'	no			
Chamaephytes	sumac, winged	<5' & 5-30'	no			
Slope	Goldenrod	<5'	no			
Moist	Mugwort	<5'	yes			

Comments:

A complex of winged, staghorn, and smooth sumacs. Unit goes between black locust forest and extends east to the inlet bordering Phragmites. There are a few other trees scattered through unit such as Ailanthus, white mulberry, black cherry, and cottonwood. The herbaceous vegetation includes goldenrod and mugwort. Plantain are on trail through the unit. Other spp: milkweed, poison ivy, and Oriental bittersweet.

Unit: 138
Acreage: 1.398
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 139
Acreage: 0.12
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	<5' & 5-30'	yes	Landfill		
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Ivy, poison	<5'	no			
Slope						
Moist						

Comments:

This unit is a black locust forest bordered by a sumac field, a pathway, a line of Phragmites near the inlet, and a mugwort field. The understory is dominated by mugwort and poison ivy. The unit is on a slope leading to the creek. Other spp: smooth sumac, Ailanthus, black cherry saplings, goldenrod, garlic mustard, wineberry, and white mulberry saplings. MC: black locust.

Unit: 140
Acreage: 8.576
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		Trash
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a field of mostly mugwort and goldenrod with some scattered sumacs and sweet clover. Other spp: Queen Anne's lace, black locust, cottonwood, white mulberry, Ailanthus, black cherry, buckthorn, and Japanese knotweed. The unit has a few trails for foot traffic. There is some trash in unit.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 141
Acreage: 0.967
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Sumac, smooth	<5' & 5-30'	no	Landfill	Foot traffic	Dumping
Deciduous	Sumac, staghorn	<5' & 5-30'	no			
Chamaephytes	Ailanthus	<5' & 5-30'	yes			
Level	Mugwort	<5'	yes			
Dry/Moist	Goldenrod	<5'	no			

Comments:

A large Ailanthus and sumac scrub in between forest patches which spreads to an open mugwort field. There are some white mulberries, and a pin oak in unit. There are two species of sumacs that are smooth and staghorn. Other spp. milkweed, dogbane, Oriental bittersweet.

Unit: 142
Acreage: 0.249
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, black	<5' & 5-30'	no	Landfill		
Deciduous	Ivy, poison	<5' & 5-30'	no			
Lianas	Virginia creeper	<5' & 5-30'	no			
Knoll	Mustard, garlic	<5'	yes			
Dry/Moist	Mugwort	<5'	yes			

Comments:

A strip of forest dominated by black cherry, poison ivy, and Virginia creeper. Unit is on top of rocks and goes along houses on Betts Ave. Japanese knotweed borders unit on one end and at the other end is a large white mulberry and a cottonwood. Other spp: Oriental bittersweet, silver maple, cottonwood, smooth sumac, pin oak, and buckthorn.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 143
Acreage: 0.24
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes	Landfill		
Deciduous	Horseweed	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is between Husson and Betts Ave. along a fence. The unit is a herbaceous community dominated by mugwort and horseweed and also contains a strip of Japanese hop and squash vines along one of the house fences. This area has a lot of roadside and waste places vegetation. Other spp: bindweed, chicory, smartweed, foxtail grass, plantain, cocklebur, lamb's quarter, sweet clover, ragweed, cottonwood, black locust sapling, Phragmites, staghorn sumac sapling, garlic mustard, daisy fleabane, and evening primrose. MC: possible encroachment

Unit: 144
Acreage: 0.208
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Bindweed	<5'	yes	Landfill		Dumping
Deciduous	Plantain, common	<5'	yes			Trash
Lianas	Smartweed	<5'	yes			
Level						
Dry/Moist						

Comments:

An herbaceous community located in between forest patches. Edge of unit is raised by rocks and concrete and is bordering unit 143. Other spp: dogbane, sweet clover, mugwort, lamb's quarter, milkweed, evening primrose, smooth sumac, ragweed, and Japanese hop. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 145
Acreage: 0.282
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		
Deciduous	Ailanthus	<5' & 5-30'	yes	Phone pole		
Hemicryptophytes	Mugwort	<5'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist	Bedstraw	<5'	no			

Comments:

Unit is a roundish closed forest with black locust as dominant followed by Ailanthus around the perimeter. Garlic mustard, mugwort, and bedstraw dominate the understory. There are scattered Siberian elm and white mulberry as understory woody plants.

An old telephone pole is lying on the ground in the unit. Other spp: black cherry saplings, poison ivy, rose, pokeweed, bittersweet nightshade, Virginia creeper, staghorn sumac, and box elder. MC: invasives

Unit: 146
Acreage: 0.119
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cottonwood, Eastern	5'-30'	no	Landfill		
Deciduous	Ailanthus	5'-30'	yes			
Hemicryptophytes	Locust, black	5'-30'	yes			
Level	Mugwort	<5' & 5-30'	yes			
Dry/Moist						

Comments:

Unit is a closed forest consisting of cottonwood, Ailanthus, and black locust and an understory of mugwort. Unit is located at the turn of an old road. Other species present include white mulberry, smooth sumac saplings, and goldenrod. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 147
Acreage: 0.122
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	5'-30'	yes	Landfill		Trash
Deciduous	Locust, black	>30' & 5-30'	yes			
Hemicryptophytes	Cherry, black	>30' & 5-30'	no			
Level	Silver maple	>30'	no			
Dry/Moist	Rose	<5' & 5-30'	yes			
	Cool season grass	<5'	yes			

Comments:

This unit is an assortment of different trees with no particular dominance. Unit is bordered by Husson Ave. past the concrete stone and between two herbaceous communities. Black cherry, black locust, and white mulberry are located at the street entrance. Cool season grasses and wild rose dominate the herbaceous layer. Poison ivy and Virginia creeper are climbing certain trees. At one end of unit is a large cottonwood. Unit contains a small ditch but most of unit is leveled. The trees in unit are mulberries, silver maple, pin oak, cottonwood.

Unit: 148
Acreage: 0.109
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	yes	Landfill		Trash
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes	Rush spp.	<5'				
Level						
Dry/Moist						

Comments:

An herbaceous community with a thin strip of Phragmites and layers of mugwort and goldenrods. There are many tree saplings of cottonwood, black locust, and silver maple which may bring a change in community structure and species composition. Unit borders a fence of house 239 a & b on Husson Ave. Other spp: Japanese honeysuckle, Virginia creeper, poison ivy, bindweed, pin oak, sweetgum sapling, plantain, sweet clover, and white mulberry saplings. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 149
Acreage: 0.054
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	<5' & 5-30'	yes	Landfill		
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Level	Rose	<5' & 5-30'	yes			
Dry/Moist						

Comments:

A small Ailanthus forest with mugwort and Japanese knotweed understory. Unit contains some sumacs and many dead Ailanthus. Unit is next to the grassy field on one side and a mugwort field on the opposite side. There is a refrigerator dumped in the unit. Other spp: sycamore maple, silver maple, black cherry, and Japanese knotweed. MC: Invasive Japanese knotweed and Ailanthus

Unit: 150
Acreage: 0.02
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Sumac, smooth	<5' & 5-30'	no	Landfill		
Deciduous	Mugwort	<5'	yes			
Chamaephytes						
Level						
Dry/Moist						

Comments:

A small sumac unit with mugwort in between forests on opposite sides and a mugwort field to the north.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 151
Acreage: 0.14
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Virginia creeper	<5'	no			
Deciduous	Rubus	<5'	no			
Lianas	Catbrier	<5' & 5-30'	no			
Level						
Moist						

Comments:

A vineland with vines destroying trees in the area therefore a reason for management concern. The trees have been completely infested and was hard to identify. Unit is bordered by a guard rail to Pugsley Ave. near house 232. Other spp: wisteria, poison ivy, garlic mustard, pokeweed, morning glory, Asiatic dayflower, and Japanese honeysuckle. MC: possible encroachment and vine infestation.

Unit: 152
Acreage: 0.251
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Mulberry, white	<5' & 5-30'	yes	Landfill		
Deciduous	Cherry, black	<5' & 5-30'	no			
Hemicryptophytes	Cottonwood, Eastern	>30'	no			
Level	Mugwort	<5' & 5-30'	yes			
Dry/Moist	Sumac sp.	<5' & 5-30'	no			

Comments:

A woodland of different species including mulberry, cottonwood, black cherry, and black locust. The understory includes mugwort, goldenrod and sumacs. Unit is bordered by trail and a willow/ Aspen forest. Other spp: sycamore maple, Ailanthus, Queen Anne's lace, Siberian elm, grass spp. MC: white mulberry

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 153
Acreage: 0.089
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Aspen, quaking	all	no	Landfill		
Deciduous	weeping willow	>30'	yes			Trash
Lianas	Cherry, black	<5' & 5-30'	no			
Depression	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Honeysuckle, Japanese	<5'	yes			
	Virginia creeper	5-30 & <5	no			

Comments:

This is a quaking aspen, weeping willow, and black cherry forest with poison ivy, Japanese honeysuckle, and Virginia creeper in the understory. The weeping willow takes up a large amount of the forest. The only quaking aspen community in Pugsley creek. Other spp: cottonwood, dogbane, Oriental bittersweet, box elder, and garlic mustard.

Unit: 154
Acreage: 0.143
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Mulberry, white	5'-30'	yes	Landfill	Foot traffic	Dumping
Deciduous	Mugwort	<5'	yes	Road		
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a woodland consisting of white mulberry and a mugwort understory. Some dead trees and an old foot path are in unit. The unit is surrounded by an open field and adjacent to aspen/ willow forest. Other species present include: box elder and Amur honeysuckle. MC: invasive species

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 155
Acreage: 0.123
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 156
Acreage: 0.036
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 157
Acreage: 0.029
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 158
Acreage: 0.095
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Level Dry/Moist	locust, black Mugwort elm, Siberian	all <5' >30' & 5-30'	yes yes yes	Landfill Full-crown tree	Vagabond	Trash

Comments:

A black locust forest with a mugwort understory. Unit surrounded by open field. Japanese knotweed is seen to the east. A possible full crown Siberian elm is in the unit with branches coming out throughout the length. A white mulberry stands to the east of the unit. Possible vagabond spot because of blanket found in area. MC: invasives and vagabond

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 159
Acreage: 0.064
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5'	yes	Landfill		Trash
Deciduous	Mugwort	<5'	yes			
Geophytes	Cottonwood, Eastern	>30'	no			
Level						
Dry/Moist						

Comments:

A small Japanese knotweed patch with some mugwort under the canopy of a cottonwood. MC: Japanese knotweed

Unit: 160
Acreage: 0.373
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill	Foot traffic	Trash
Deciduous	mugwort	<5'	yes			Dumping
Hemicryptophytes	Ivy, poison	<5' & 5-30'	no			
Level	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

A closed black locust forest with a trail going through unit. Along the trail are lamb's quarter with bindweed. The dominant understory species are mugwort, poison ivy and garlic mustard. Unit is a forest surrounded by mugwort field and a Japanese knotweed field to the north. The unit also consists of two large cottonwoods. There are some car parts and plywood lying on the ground. Other spp: black cherry, box elder, cottonwood, Virginia creeper, and Japanese knotweed. MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 161
Acreage: 0.121
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	all	yes			Dumping
Deciduous	Ailanthus	<5' & 5-30'	yes			
Chamaephytes	Rose	<5' & 5-30'	yes			
Level	Mugwort	<5'	yes			
Moist						

Comments:

A closed white mulberry forest with Ailanthus as second dominance. There are some black cherry and box elders scattered throughout unit. Rose, mugwort, poison ivy, Virginia creeper, and Japanese honeysuckle comprise the majority of the understory. Ailanthus tend to be on the borderline of unit. The unit is just east of main trail and north of vineland unit 151. Others spp: white snakeroot, Virginia creeper, and Wisteria. MC: Unwanted vines and Ailanthus.

Unit: 162
Acreage: 0.314
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Hickory, bitternut	all	no			
Deciduous	Catbrier	<5' & 5-30'	no			
Lianas	Knotweed, Japanese	<5'	yes			
Level	Rose	5'-30'	yes			
Moist	Arrowwood	<5' & 5-30'	no			

Comments:

Unit is a bitternut hickory forest with catbrier, Japanese knotweed, arrowwood, and rose as the dominant understory. Unit is bordered by a vineland to the east, a dead-end street to the south and a meadow to the north. Species composition suggest this is the original unfilled grade. Other spp: black cherry, slippery elm, sweetgum, poison ivy, Virginia creeper, rose, Wisteria, Sassafras, garlic mustard, white mulberry, box elder, goldenrod.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 163
Acreage: 0.545
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Oak, pin	all	no			Trash
Deciduous	Sweetgum	all	no			
Chamaephytes	Arrowwood	<5' & 5-30'	no			
Level	dogwood spp.?	<5' & 5-30'				
Moist	Catbrier	<5' & 5-30'	no			

Comments:

A closed oak/ sweetgum forest with 3 different oak species; red, pin, and chestnut oak. Arrowwood is the dominant understory species. The unit has standing water, about which a resident complained. Another resident says that he cuts down shrubs every year. The unit is bordered by a white fence of house 229 at a dead end street on Pugsley Ave. The unit alternates in dominance between sweetgum and oaks. Species composition suggest the unit was not filled. Unit is one of lowest points of southwestern edge of park and serves as a storm water infiltration area, accepting runoff from most of Stephens Ave. Other Spp: Oriental bittersweet, Virginia creeper, rose, Japanese honeysuckle, wild grape vines, Japanese knotweed, cottonwood, and poison ivy. MC: standing water.

Unit: 164
Acreage: 0.249
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	yes	Road		Trash
Deciduous	Mugwort	<5'	yes	Paved path		
Hemicryptophytes	Sycamore maple	<5' & 5-30'	yes			
Level						
Dry/Moist						

Comments:

Unit is a small Ailanthus woodland with sycamore maple growing along the fence on Stephens Ave. Mugwort dominates the herbaceous vegetation . Unit exists over paved ground. There are some mosses on the pavement. Other spp: daisy fleabane, dogbane , dogwood, moss. MC: invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 165
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>Disturbance</u>
Vineland	honeysuckle, Japanese	<5'	yes			
Deciduous	Mugwort	<5'	yes			
Lianas						
Level						
Dry/Moist						

Comments:

A unit of mugwort and Japanese honeysuckle bordered by a forest to the north and a former paved street to the south. Other spp: goldenrod, Oriental bittersweet, smooth sumac, daisy fleabane, and one sycamore maple sapling. MC: invasive Japanese honeysuckle

Unit: 166
Acreage: 0.267
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		Trash
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a field of mostly mugwort and goldenrod with some scattered sumacs and sweet clover. Other spp: Queen Anne's lace, black locust, cottonwood, white mulberry, Ailanthus, black cherry, buckthorn, and Japanese knotweed. The unit has a few trails for foot traffic. There is some trash in unit.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 167
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>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'	yes			
Deciduous	Hops, Japanese	<5' & >30'	yes			
Geophytes	Mugwort	<5' & 5-30'	yes			
Level	wild cucumber	<5' & 5-30'	no			
Dry/Moist						

Comments:

A herbaceous community of Phragmites and some mugwort with Japanese hops and wild cucumber. Unit is at the corner of Stephens and O'Brien Ave. and is bordered by forest to the north. This unit is at the west end of the park. Yellow jacket nest in unit. Other spp: Ailanthus. MC:invasives

Unit: 168
Acreage: 1.042
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Sycamore maple	<5' & 5-30'	yes	Foundation		Dumping
Deciduous	Cherry, black	<5' & 5-30'	no			Trash
Geophytes	Mulberry, white	<5' & 5-30'	yes			
Slope	Mustard, garlic	<5'	yes			
Moist	Ivy, poison	<5' & 5-30'	no			
	Virginia creeper	<5' & 5-30'	no			

Comments:

A closed forest on a slope downhill along the backyards of private residence on Stephens Ave. Sycamore maple is the most dominant tree species. Garlic mustard, Virginia creeper, and poison ivy dominate the understory with some roses scattered around. Japanese knotweed goes along the west side of forest unit next to the mugwort field. Looks like a place for dumping from one of the houses next to the area, a possible storage of junk. There are three very large pin oaks near fence at the southwest corner. An old concrete wall is standing in unit, a possible house once stood in this area. The unit is leveled just east of mugwort field, then it slopes at the SW part of unit and levels again towards Stephens Ave.

Other spp: box elder, Rubus, pokeweed, cucumber vine, pin oak, bitternut hickory, rose, sweet cherry, black locust sapling, Japanese honeysuckle, silver maple, and mimosa. MC: possible encroachment and invasives

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 169
Acreage: 0.014
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 170
Acreage: 0.03
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 171
Acreage: 0.223
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes			Dumping
Deciduous	Mulberry, white	<5' & 5-30'	yes			Trash
Chamaephytes	sycamore, maple	<5' & 5-30'	yes			
Slope	Rose	<5'	yes			
Dry/Moist	Mustard, garlic	<5'	yes			

Comments:

A closed forest dominated by black locust and white mulberry. Rose and garlic mustard dominate the understory. The unit slopes towards private property and then levels out. There is a possible encroachment of landowners in to park's property. Unit is full of dumping and trash , possibly coming from residents living nearby. A lot of mosquitoes inhabit the area due to standing water caused by dumping. Unit is bordered by Japanese knotweed to the west and Phragmites at the northeast corner. Other spp: Japanese knotweed, hackberry, poison ivy, and mugwort. MC: Possible encroachment, dumping, trash, and invasives.

Unit: 172
Acreage: 0.176
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Sassafras	all	no			Dumping
Deciduous	Cherry, black	<5' & 5-30'	no			
Phanerophytes	Ivy, poison	<5' & >30'	no			
Slope	Rose	<5'	yes			
Dry/Moist						

Comments:

This is the only Sassafras forest in Pugsley Creek Park. This unit is Sassafras and black cherry forest on a slope. At the bottom of slope are Phragmites, at the top of slope is an open mugwort field. On the ground, rose and poison ivy dominate the unit. To the east, a pile of dumped garbage, car parts, and stones, separates this forest unit from unit 173. MC: rose and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 173
Acreage: 0.15
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	<5' & 5-30'	yes	Landfill		Dumping
Deciduous	Cherry, black	<5' & 5-30'	no			Auto
Lianas	Ivy, poison	<5' & 5-30'	no			
Slope	Snakeroot, white	<5'	no			
Dry/Moist						

Comments:

A forest of white mulberry and black cherry on a slope. Phragmites on bottom of slope and a mugwort field at the top of slope. A Sassafras forest is to the west of unit. Other spp: silver maple, catalpa, rose, and garlic mustard. MC: invasives and dumping.

Unit: 174
Acreage: 0.174
Mgmt. Concern: Yes

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

Comments:

This unit is a stand of Phragmites mixed with mugwort. It is located at the Southwest part of the park near a mugwort/ goldenrod field and a few forests. In this area a surveying crew cut through some of the mugwort and Phragmites creating a trail for a future project. MC: Phragmites.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 175
Acreage: 0.193
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Ailanthus	all	yes	Landfill		Trash
Deciduous	Sycamore maple	<5' & 5-30'	yes	Exotic planting		
Hemicryptophytes	Mugwort	<5'	yes			
Level	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

A closed forest dominated by sycamore maple and Ailanthus at the canopy while garlic mustard and mugwort dominate the understory. Unit is bordered by a fence at Stephens Ave. and by fences bordering adjacent private landowners to the south. Other spp: poison ivy, wild cucumber, box elder sapling, bitternut hickory, rose, black cherry, white mulberry, cottonwood, and a exotic planted crab apple. MC: invasives and trash.

Unit: 176
Acreage: 0.038
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		
Deciduous						
Geophytes						
Level						
Dry/Moist						

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 177
Acreage: 0.579
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cottonwood, Eastern	all	no	Landfill	Foot traffic	Dumping
Deciduous	Box Elder	<5' & 5-30'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Level	Milkweed, common	<5'	no			
Dry/Moist	Goldenrod	<5'	no			

Comments:

This is a cottonwood woodland with some scattered box elders. Mugwort and milkweed dominate the herbaceous layer of unit. Main shoreline path cuts through unit. Other spp: rose, Ailanthus, dogbane, Phragmites, black locust, Norway maple, Virginia creeper, and pin oak.

Unit: 178
Acreage: 0.24
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		Trash
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a field of mostly mugwort and goldenrod with some scattered sumacs and sweet clover. Other spp: Queen Anne's lace, black locust, cottonwood, white mulberry, Ailanthus, black cherry, buckthorn, and Japanese knotweed. The unit has a few trails for foot traffic. There is some trash in unit.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 179
Acreage: 0.015
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	5'-30'	yes	Landfill		Dumping
Deciduous	Cherry, black	<5' & 5-30'	no			
Phanerophytes	Buckthorn	<5' & 5-30'	yes			
Level	Ivy, poison	<5' & 5-30'	no			
Dry/Moist	Mustard, garlic	<5'	yes			

Comments:

This is a forest of white mulberry, black cherry, and European buckthorn. Unit also has some pin oaks and a gray birch. The herbaceous vegetation include poison ivy, garlic mustard, and some mugwort. The area is surrounded by a mugwort field on two sides and a mix of Phragmites and mugwort on the third. There is dumping of rocks and stones in the unit. MC: invasives

Unit: 180
Acreage: 0.02
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Mulberry, white	5'-30'	yes	Landfill		Dumping
Deciduous	Ivy, poison	<5' & 5-30'	no			
Lianas	Mugwort	<5'	yes			
Undulating	Mustard, garlic	<5'	yes			
Dry/Moist						

Comments:

A small forest of white mulberry with poison ivy. Other dominant species in unit include mugwort and garlic mustard. This is a forest unit in between a mugwort and a Phragmites field. There are car parts dumped in unit. A small pond is located to the east of unit, mostly covered up by Phragmites. Other spp: sycamore maple, rose, white snakeroot, and Japanese honeysuckle. MC: invasives and dumping

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 181
Acreage: 0.535
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Surface water	Phragmites	<5' & 5-30'	yes	Landfill		

Comments:

This unit is dominated by Phragmites. This unit is bordered by Japanese knotweed to the east and contains a small pond-like area where water is released and drained to from the main inlet. MC: Phragmites is an invasive species.

Unit: 182
Acreage: 0.05
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species, whole dumped car.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 183
Acreage: 0.411
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Slope Dry/Moist	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Unit: 184
Acreage: 0.053
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Geophytes Level Moist	Phragmites grass spp: Grass, switch	<5' & 5-30' <5' <5'	yes no	Landfill		Trash

Comments:

A unit of Phragmites with patches of switch grass going down the middle of unit. A few marsh elders with Phragmites and seaside goldenrod to the east. Other spp: poison ivy, smooth sumac, sweet clover, and evening primrose. MC: Phragmites

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 185
Acreage: 0.084
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Slope Dry/Moist	marsh elder	<5'	no	Landfill		

Comments:

This unit is marsh elder along the rocky shoreline above the *Spartina alterniflora*.

Unit: 186
Acreage: 0.043
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Undulating Moist	Oak, pin Mugwort poison ivy Cherry, black	all <5' <5' & 5-30' <5' & 5-30'	no yes no no	Landfill	Foot traffic	

Comments:

A small pin oak forest with mugwort and poison Ivy as the dominant understory. Unit is bordered by the creek and path. There is a small path connecting main trail to the pin oak forest. A large cottonwood stands tall in the unit. Other spp: mimosa, silver maple, basswood, white mulberry, sycamore maple, rose, and Phragmites.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 187
Acreage: 0.032
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Phragmites	<5' & 5-30'	yes	Landfill		
Deciduous	Sumac, smooth	<5' & 5-30'	no			
Geophytes	Mugwort	<5' & 5-30'	yes			
Level						
Moist						

Comments:

This unit is a small stand of Phragmites with smooth sumacs and mugwort. Unit is on the shoreline of Pugsley Creek that consists of rocks with moss growing on them. There are a lot of dead sumacs in unit too. A pin oak forest borders unit to the south.

MC: Phragmites

Unit: 188
Acreage: 0.309
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	<5' & 5-30'	yes	Landfill	Foot traffic	
Deciduous	Mugwort	<5'	yes			
Hemicryptophytes	Goldenrod	<5'	no			
Level						
Dry/Moist						

Comments:

A woodland unit dominated by Ailanthus. Mugwort and goldenrod dominate the herbaceous layer. The trail splits the unit in two.

A Japanese knotweed unit (198) is at the SW corner of this unit. Other spp: silver maple, sycamore maple, smooth sumac, cottonwood, Phragmites, and box elder. MC: invasive Ailanthus.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 189
Acreage: 0.13
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	<5' & 5-30'	yes	Landfill	Foot traffic	Dumping
Deciduous	Mulberry, white	5'-30'	yes			
Hemicryptophytes	Mugwort	<5'	yes			
Undulating						
Dry/Moist						

Comments:

Unit is a small closed black locust forest with mugwort dominating the understory. A trail goes across the south side of unit. Japanese knotweed borders unit from one side, and the creek borders unit at the other. There is a patch of Phragmites at the east corner of unit. Some dumping of bricks and concrete surrounds the base of the white mulberry. Other spp: goldenrod, poison ivy, sycamore maple, Phragmites, and smooth sumac sapling. MC: invasives and dumping.

Unit: 190
Acreage: 0.231
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no			Dumping
Deciduous	Sycamore maple	<5' & 5-30'	yes			Trash
Geophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Level						
Dry/Moist						

Comments:

A box elder/ sycamore maple forest with almost no understory vegetation except for Japanese knotweed. A dumped cylindrical pipe is on the ground which may be a possible home to wildlife. Other spp: White mulberry, black cherry, smooth sumac, poison ivy, sycamore maple, mugwort, Japanese knotweed along fence, and box elder. Japanese Knotweed has been chopped down by surveying crew (observed on Nov 2006). MC: invasives and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 191
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>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		Trash
Deciduous	Goldenrod	<5'	no			
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This unit is a small field of mostly mugwort and goldenrod with some scattered sumacs and sweet clover. Other spp: Queen Anne's lace, black locust, cottonwood, white mulberry, Ailanthus, black cherry, buckthorn, and Japanese knotweed.

The unit has a few trails for foot traffic. There is some trash in unit.

Unit: 192
Acreage: 0.26
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Box Elder	<5' & 5-30'	no	Landfill		
Deciduous	Mugwort	<5' & 5-30'	yes			
Hemicryptophytes	Ivy, poison	<5' & 5-30'	no			
Level	goldenrods	<5'	no			
Dry/Moist	Cherry, black	all	no			
	Cottonwood, Eastern	>30	no			

Comments:

A woodland strip along a pathway with winged sumacs and a large cottonwood at the ends. Unit is leveled and ends where ground starts to slope. Other spp: Japanese knotweed, smooth sumac, winged sumac, sycamore maple, Virginia creeper, black cherry, and silver maple.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 193
Acreage: 0.018
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Slope Dry/Moist	Sumac, smooth	<5' & 5-30'	no	Landfill		Dumping

Comments:

A stand of smooth sumacs on a slope on the west bank of creek and at the NW corner of Pugsley Creek Park. A boat part dumped in unit.

Unit: 194
Acreage: 0.029
Mgmt. Concern: Yes

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

Comments:

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

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 195
Acreage: 0.1
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alternaflora	<5'	no	Landfill		

Comments:

This unit is dominated by Spartina alternaflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 196
Acreage: 0.353
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Lianas Slope Dry/Moist	Box Elder Ivy, poison Mugwort Virginia creeper Cottonwood, Eastern	<5' & 5-30' <5' & 5-30' <5' <5' & 5-30' >30'	no no yes no no	Landfill	Foot traffic	Trash Dumping

Comments:

Unit is a box elder forest along a slope leading towards the creek. Poison ivy, mugwort, and Virginia creeper make up most of understory. The unit is filled with concrete and bricks, and has two trails leading up to an old rusty boat near the creek.

A trail borders this unit on one side. This unit has much more herbaceous vegetation compared to adjacent unit 196. Other spp: black cherry, white mulberry, hackberry, Norway maple, sycamore maple, pin oak, silver maple and porcelainberry.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 197
Acreage: 0.343
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	all	no			Dumping
Deciduous	Sycamore maple	<5' & 5-30'	yes	Foundation		Trash
Phanerophytes	Cherry, black	<5' & 5-30'	no			
Undulating						
Dry/Moist						

Comments:

This unit is a closed box elder forest just north of Patterson Ave. Unit ends directly after a line of cottonwoods on the south side, where mugwort begins to appear. The East side of unit is bordered by a trail. Some herbaceous vegetation is present, but mostly lacking. This unit differs from bordering box elder forests due to having a dominance in sycamore maple and black cherry and is distinguished from unit 190 because of the lack in Japanese knotweed. The unit is full of trash and dumping. A telephone pole with wires runs across the unit along the fence. An old concrete wall appears about 10ft away from the fence, a possible remnant from the 1950's when houses were once built on this area. Other spp: cottonwood, London plane, snakeroot, porcelainberry, Virginia creeper, goldenrod, bittersweet nightshade, Ailanthus, white mulberry, Norway maple, silver maple, mimosa sapling, poison ivy, hackberry, pokeweed. Some trees, mostly box elders, have been chooped down by surveying crew (observed on Nov 2006). MC: invasives, dumping, and trash.

Unit: 198
Acreage: 0.173
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		
Deciduous						
Geophytes						
Level						
Dry/Moist						

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 199
Acreage: 0.004
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	orach	<5'	yes	Landfill		
Deciduous	marsh elder	<5'	no			
Slope Dry/Moist						

Comments:

A small unit of orach and marsh elder by the creek above the Spartina alterniflora and below a few oaks and maples. This is a transition unit from salt marsh and adjacent unit 196. Unit is too small to number on map.

Unit: 200
Acreage: 0.046
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		
Deciduous						
Geophytes						
Slope Dry/Moist						

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 201
Acreage: 0.061
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Cherry, sweet	<5' & 5-30'	yes	Landfill		Trash
Deciduous	Cherry, black	<5' & 5-30'	no			
Phanerophytes	Box Elder	all	no			
Undulating						
Dry/Moist						

Comments:

This is a sweet and black cherry forest with a few box elders. There are a few box elder saplings, which may change the species composition in the future. Unlike adjacent units, this unit has no mugwort in the understory. Other spp: poison Ivy, Virginia creeper, garlic mustard, porcelainberry, and Norway maple saplings.

Unit: 202
Acreage: 0.078
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no	Landfill		Dumping
Deciduous	Mustard, garlic	<5'	yes			Trash
Geophytes	Mulberry, white	5'-30'	yes			
Undulating						
Dry/Moist						

Comments:

The unit is a closed forest of mostly box elder with a subcanopy of white mulberry. Garlic mustard dominates the herbaceous layer. Other herbaceous vegetation is lacking. Directly to the south, the unit goes along Patterson Ave. until a black cherry tree that stands near a pile of trash, asphalt, and logs. This unit lacks mugwort and has garlic mustard instead which makes unit different from adjacent unit 206. The unit also differs from adjacent unit 197 because the unit does not have dominance in sycamore maple and black cherry. Other spp: black cherry, bittersweet nightshade, and mugwort. MC: invasives, dumping and trash

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 203
Acreage: 0.049
Mgmt. Concern: Yes

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

Comments:

A vineland consisting of porcelainberry and bindweed vines infesting mulberry trees. The vineland is just north of Patterson Ave. and is also bordered by mugwort leaning towards sun (unit 204). Other spp: mugwort. MC: infestation of porcelainberry and bindweed.

Unit: 204
Acreage: 0.054
Mgmt. Concern: No

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

Comments:

This unit is dominated by mugwort. It is located in the NE portion of the park.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 205
Acreage: 0.159
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Bamboo sp.	<5' & >30'	no	Landfill		dumping
Deciduous	Mustard, garlic	<5'	yes			Trash
Geophytes	Mulberry, white	5'-30'	yes			
Undulating						
Dry						

Comments:

The unit is a closed forest of mostly box elder with a subcanopy of white mulberry. Garlic mustard dominates the herbaceous layer. Other herbaceous vegetation is lacking. Directly to the south, the unit goes along Patterson Ave. until a black cherry tree that stands near a pile of trash, asphalt, and logs. This unit lacks mugwort and has garlic mustard instead which makes unit different from adjacent unit 206. The unit also differs from adjacent unit 197 because the unit does not have dominance in sycamore maple and black cherry. Other spp: black cherry, bittersweet nightshade, and mugwort. MC: invasives, dumping and trash

Unit: 206
Acreage: 0.193
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Trash
Deciduous	Box Elder	<5' & 5-30'	no			
Hemicryptophytes	Mugwort	<5'	yes			
Undulating	Knotweed, Japanese	5'-30'	yes			
Dry/Moist						

Comments:

This unit is a closed black locust forest with a box elder subcanopy and a mugwort understory. The unit is bordered by Japanese knotweed (unit 208) to the northwest and park fence of White plains Ave. to the west. Porcelainberry and poison ivy vines are scattered throughout unit. The canopies become sparser at the corner of White Plains and Patterson Ave. Other spp: Black cherry saplings, mimosa, Japanese Knotweed, porcelainberry, white mulberry, mugwort, bittersweet nightshade, pokeweed, and Ailanthus. Invasive Japanese knotweed and black locusts are reasons for concern.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 207
Acreage: 0.116
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	all	yes	Landfill		Trash
Deciduous	Box Elder	all	no	Full-crown tree		
Hemicryptophytes	Mugwort	<5' & 5-30'	yes			
Undulating						
Dry/Moist						

Comments:

Unit is a closed black locust/ box elder forest with mugwort in the understory. The unit contains a small patch of densely packed mugwort and a full crown black locust. The unit is bordered by a sweet cherry forest and trail. Some of the species in the unit have been cut down by surveying crew (observed in Nov 2006). MC: Invasive black locust.

Unit: 208
Acreage: 0.077
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Knotweed, Japanese	<5' & 5-30'	yes	Landfill		
Deciduous						
Geophytes						
Level						
Dry/Moist						

Comments:

This unit consists of and open field of Japanese knotweed. MC: Japanese knotweed is an invasive species.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 209
Acreage: 0.269
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	<5' & 5-30'	no	Landfill		Fire
Deciduous	Locust, black	>30' & 5-30'	yes			
Geophytes	Knotweed, Japanese	<5' & 5-30'	yes			
Undulating						
Dry/Moist						

Comments:

Unit is a closed forest of box elder and black locust with a Japanese knotweed understory. Burned logs on ground suggest a fire may have taken place within the unit. Unit extends from foot path and is bordered by property fence that runs along school to the north and White Plains Ave. to the west. Other species present include black cherry saplings, hackberry saplings, poison ivy, Norway maple, and porcelainberry. MC: invasive Japanese knotweed and black locust.

Unit: 210
Acreage: 0.126
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Box Elder	all	no	Landfill		Fire
Deciduous	Ivy, poison	<5'	no			Dumping
Lianas	Rose	<5'	yes			
Level						
Dry/Moist						

Comments:

Unit is a box elder forest with poison ivy and rose understory. There is some evidence of fire by having burnt logs in piles on the ground. Large concrete dumped in unit. The unit is bordered by the school to the north and a trail slightly crosses unit. Other spp: rose, poison ivy, black cherry, bittersweet nightshade, white mulberry, hackberry, Ailanthus, and pin oak. MC: rose and dumping.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 211
Acreage: 0.063
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora.

Unit: 212
Acreage: 0.04
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Slope Dry/Moist	Ivy, poison	<5'	no	Landfill		

Comments:

A small poison Ivy vineland on a slope leading towards the creek. It is bordered by Phragmites and path. A black cherry sapling is growing in middle of unit. A school is on the opposite side of trail to the west of unit. Other spp: mugwort.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 213
Acreage: 0.079
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alternaflo	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alternaflo. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 214
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alternaflo	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alternaflo. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 215
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 216
Acreage: 0.255
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Slope Dry/Moist	Mugwort Phragmites	<5' & 5-30' 5'-30'	yes yes	Landfill		

Comments:

This unit mainly consists of mugwort and Phragmites on a slope along the perimeter of the managed area unit 218. Other spp: black cherry, Austrian pine, cottonwood, Ailanthus, rose, white mulberry, and marsh elder. MC: Phragmites

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 217
Acreage: 0.136
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Ailanthus	5'-30'	yes	Landfill	Foot traffic	
Deciduous	Locust, black	5'-30'	yes	Fence		
Hemicryptophytes	Mugwort	<5' & 5-30'	yes	Exotic planting		
Level	Birch, river	5'-30'	no			
Dry/Moist	Privet	5'-30'	yes			

Comments:

This is a woodland unit within a larger managed area, composed mainly of Ailanthus, river birch, black locust, and mugwort. Privets are planted near the main pathway on the east side of unit. Unit also contains trails and fence posts.

Unit: 218
Acreage: 2.237
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'	yes	Landfill	Foot traffic	
Deciduous				Exotic planting	Bike/ ATV	Trash
Geophytes						
Level						
Dry/Moist						

Comments:

A managed lawn of cool season grasses used mainly for foot trafficking. A few trails run through the location. The species in the unit are river birch, cottonwood, weeping willows, and white mulberry, some of which are planted.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 219
Acreage: 0.001
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 220
Acreage: 0.001
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 221
Acreage: 0.001
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Unit: 222
Acreage: 0.002
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 223
Acreage: 0.035
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Slope Dry/Moist	honeysuckle, Japanese	<5' & >30'	yes	Landfill		

Comments:

This is a unit of Japanese honeysuckle on a rocky slope. Other species on the site are black cherry, Ailanthus, and mugwort. MC: Japanese honeysuckle

Unit: 224
Acreage: 0.004
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal Deciduous Hemicryptophytes Level Surface water	Spartina alterniflora	<5'	no	Landfill		

Comments:

This unit consists of all the areas of Spartina alterniflora. Within this unit there are some sea lavender, glasswort, and spike grass.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 225
Acreage: 0.018
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		
Deciduous	Phragmites	5'-30'	yes			
Hemicryptophytes						
Slope						
Dry/Moist						

Comments:

This unit mainly consists of mugwort and Phragmites on a slope along the perimeter of the managed area unit 218. Other spp: black cherry, Austrian pine, cottonwood, Ailanthus, rose, white mulberry, and marsh elder. MC: Phragmites

Unit: 226
Acreage: 0.636
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scarcely Vegetated				Landfill		

Dry

Comments:

The rocky portions mostly along the coast of the southeast and deep south parts of the park. The rocky portions are scarcely vegetated with some rockweed and Orach.

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 227
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>Disturbance</u>
Herbaceous Deciduous Geophytes Level Dry/Moist	Phragmites	<5' & 5-30'	yes	Landfill		

Comments:

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

Unit: 228
Acreage: 0.016
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest Deciduous Hemicryptophytes Slope Dry/Moist	prunus Silver maple Box Elder Bedstraw chives	5'-30' 5'-30' 5'-30' <5' <5'	 no no no	Landfill Fence	Foot traffic	Trash

Comments:

A small prunus forest with bedstraw and chives in the understory. The unit is located between units 218 and 230..

Pugsley Creek Entitation Unit Descriptions, Surveyed September 2006

Unit: 229
Acreage: 0.018
Mgmt. Concern: Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5' & 5-30'	yes	Landfill		
Deciduous	Phragmites	5'-30'	yes			
Hemicryptophytes						
Slope						
Dry						

Comments:

This unit mainly consists of mugwort and Phragmites on a slope along the perimeter of the managed area unit 218. Other spp: black cherry, Austrian pine, cottonwood, Ailanthus, rose, white mulberry, and marsh elder. MC: Phragmites

Unit: 230
Acreage: 2.938
Mgmt. Concern: No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'	yes	Landfill	Sports	
Deciduous					Picnic	
Geophytes					Bike/ ATV	
Level						
Dry/Moist						

Comments:

A managed area for recreational purposes such as sitting, picnicking, and fishing. The unit mostly filled with cool season grasses and planted Autumn olives, honey locust, Austrian pines, and red maples. Other spp: mugwort and chives.

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.