

Natural Area Mapping and Inventory of Wolfe's Pond 1990 Survey



Prepared by the Natural Resources Group
Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner

Wolfe's Pond Natural Area Mapping & Inventory

Surveyed 1990

81 acres

Introduction

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

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

In 1984, Parks established the Natural Resources Group (NRG) with a mandate to acquire, restore and manage natural areas in New York City. The wetlands, forests, meadows, and shorelines under NRG's jurisdiction provide valuable habitat for hundreds of species, from rare wildflowers to endangered birds of prey. In addition to the goals mentioned above, NRG serves as a clearinghouse for technical research to aid in the protection and restoration of the city's natural resources. This inventory of Wolfe's Pond was conducted in 1990 as part of NRG's commitment to improving the natural areas of New York City parks.

The landscape of Wolfe's Pond Park on Raritan Bay is rich in history, both natural and manmade. The beach was formed nearly 20,000 years ago during the last part of the ice age. The Wisconsin ice sheet transported enormous amounts of clays, sands, and gravels south and deposited them along the shores of Staten Island. The freshwater Wolfe's Pond was once a tidal inlet, but the gradual action of wind and waves pushed sand and clay into the mouth of the inlet, damming it and forming a pond. It is connected by a stream to Acme Pond, which was formed as the Wisconsin ice sheet retreated, leaving a large chunk of ice behind. As the chunk melted, it made a permanent depression, or kettle hole pond, filled with water.

The rich marine and freshwater resources, bordered by lush woodlands, made this area a very desirable location for human settlement. About 6000 years ago, ancestors of the Algonquian Lenape people established camps on bluffs overlooking Raritan Bay, where they collected fish and shellfish, hunted deer and turkey, and cultivated squash and corn. In the 1700s European colonists arrived in the area and developed a thriving oyster-harvesting industry, selling to American and even European markets. Prominent Staten Island families bought farmland here, including the Johnsons, the Seguines, and the Wolfes—for whom the pond is named.

In 1857 the State of New York purchased the Wolfe Farm for use as a quarantine station for sick immigrants. Local fishermen and oystermen suspected that the facility was contaminating the water. They burned down one building after another in protest. As a result, the quarantine station was relocated to Tompkinsville (and later to Hoffman and Swinburne Islands), and the State established a burial ground on the site. The land was sold to a private developer in 1907.

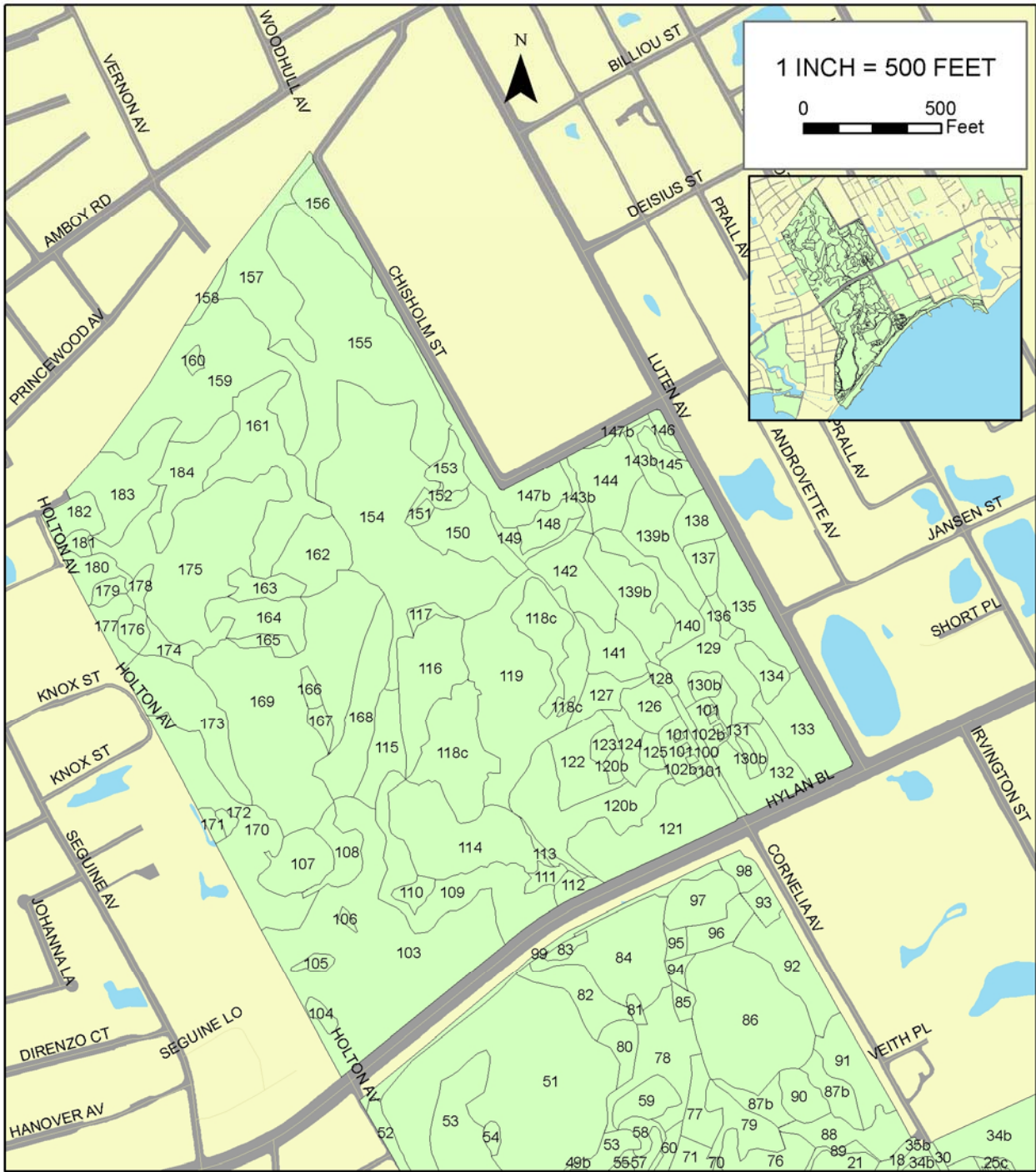
When the City acquired land for Wolfe's Pond Park in 1929-30, it was already a popular recreational spot for the people of Staten Island and visitors from other boroughs of New York City and from New Jersey. More than ninety bungalows and summer cottages surrounded the pond. As a result of community protest in 1933, the buildings were razed and substantial park improvements were undertaken. A new dam was built to protect the freshwater pond from the infusion of salt water from the bay. A boat house, bath house, stairs to the beach, a parking lot, playground, and picnic area were constructed.

To facilitate the protection, management and restoration of Wolfe's Pond, 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 Wolfe's Pond resulted in a map and database that can be used to locate valuable and threatened areas. They also serve as a baseline for measuring change over time.

Entitiation

Entitiation is a type of plant community inventory well suited to the patchy environments often found in urban areas. Originally designed for European landscapes, the system was revised by NRG in 1985 for use in urban parkland. NRG has used entitiation widely and successfully to facilitate acquisition and restoration decisions. Put simply, entitiation is a process of breaking up a park into manageable parts called "entities" or "entitiation units." Entitiation units are defined using a weighted list of criteria. The first level of distinction is based on cover type (e.g. closed forest, vineland, scrub), followed by canopy species composition, understory type (e.g. herbs, vines, shrubs), and understory species composition. Additional factors, such as topography and soil condition (e.g. wet, moist, dry) are also taken into account.

To prepare for fieldwork, mapping technicians examine aerial photographs and delineate areas of similar cover. The mapping staff use the aerial information to create a strategy for covering land area. In the field, boundaries are identified as described above. For each unit, staff record the data listed above, as well as current uses, environmental disturbances, historical indicators, community stability, and comments.



ENTITATION UNITS - 1990
 WOLFES POND PARK
 RICHMOND COUNTY, CITY OF NEW YORK



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

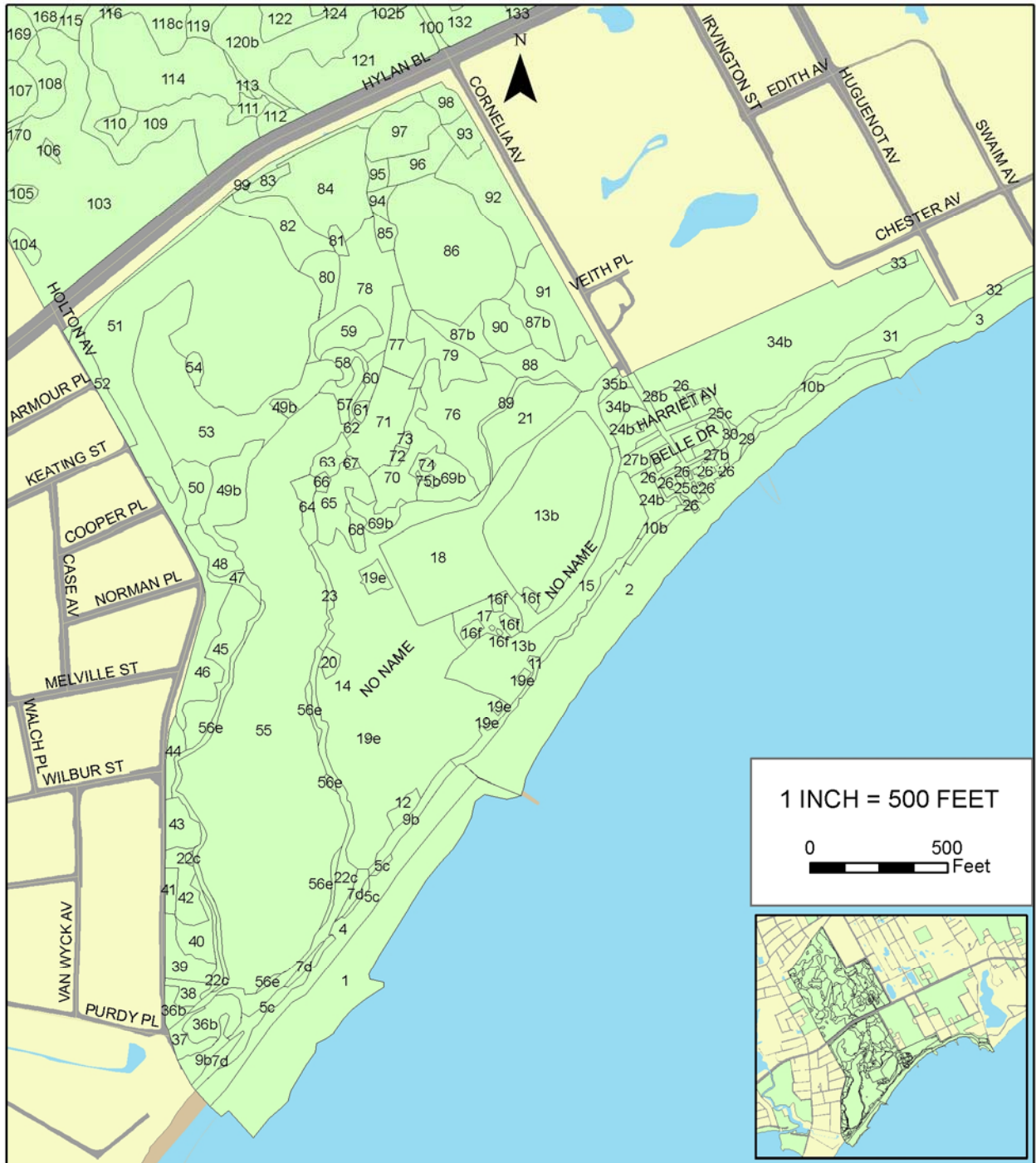
Arsenal North, 1234 Fifth Avenue, New York, NY 10029

Michael R. Bloomberg, Mayor
 Adrian Benepe, Commissioner

01/15/08

www.nyc.gov/parks

2008.01.15.5



**ENTITATION UNITS - 1990
WOLFES POND PARK
RICHMOND COUNTY, CITY OF NEW YORK**



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

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

Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner

01/15/08

www.nyc.gov/parks

2008.01.15.6



**ENTITATION UNITS - 1990
WOLFES POND PARK
RICHMOND COUNTY, CITY OF NEW YORK**



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

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

Michael R. Bloomberg, Mayor
Adrian Benepe, Commissioner

01/15/08

www.nyc.gov/parks

2008.01.15.7

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 1
Acreage 5.23
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Intertidal	Sea lettuce	<5'		Old jetty	Clamming	
	Fucus (rockweeds)	<5'			Foot traffic	
Hydrophytes	Bladderwack	<5'				
Level	Brushy red weed	<5'				
Wet	Hollow green weed	<5'				
Saltwater cordgrass		<5'				

Comments

Intertidal zone of mostly cobbles, small rocks and shells debris with sandy low spots. At low tide, surfaces covered with sea lettuce. Small patch of *Spartina alterniflora* in center. Popular spot for birds (esp Herring Gulls) and bird watchers. Fauna: Mud snails, periwinkles, blue mussels, crenate barnacles, long clawed hermit crabs, scuds and beach fleas common at surface; bloodworms, clamworms, nemerteans and clams in mucky substrate below. *Mytilus edulis*, *Modiolus modiolus*, *Modiolus demissus*, *Glycera* spp.

Unit: 2
Acreage 6.18
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Beach					Sun bathing	Trash
Hemicryptophytes					Foot traffic	
Slope					Picnic	
Dry/moist						

Comments

Managed sandy beach area with lifeguard stationed at SW end. An occassional searocket grows upland on beach as well as clotbur, saltwort, lamb's quarters, seaside spurge, sandgrass and sandbur. Mgmt concerns: Tidal trash common although beach groomed. No trash cans present. No signage present nor are access routes to and from beach marked or protected.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 3
Acreage 3.35
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Beach				Old dock	Foot traffic	Auto Trash Vandalism
Slope						
Dry/moist						

Comments

Park beach near Huguenot Ave. No terrestrial plant forms but some halophytes (sea lettuce, fucus) lay on lower beach. High tide covers most of unit. Mgmt concerns: 1) Large, high volume outflow pipe spews red water into ocean. Erosion, siltation and salinity flux are potential problems. 2) Concrete slabs, car shells are piled on beach and are inhabited by rats. 3) No signage present.

Unit: 4
Acreage 1.68
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Beach	Sea rocket	<5'			Foot traffic	Trash
Therophytes	Saltwort	<5'			Vehicle access	Auto
Slope	Clotbur	<5'			Horses	Compaction
Dry/moist						

Comments

Sandy beach between cobbled intertidal and grass foredune. Unvegetated save for occasional searocket, saltwort, clotbur, sandbur and seaside spurge. Mgmt concerns: 1) Not groomed. Beach trashy, foul and dangerous. 2) Blue mussel kill covers lower beach. 3) Vehicle tracks numerous and disruptive. 4) No signs whatsoever. Fauna & shells found on beach: blue, spider, and lady crab, Atlantic horseshoe, quahog, surf clam, moon shell, oyster, jingle shell, mud snail, horse mussel, periwinkle, mud dog whelk, common razor clam, asterid sea star, sponges.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 5
Acreage 1.00
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Dunes Hemicryptophytes Slope Dry/moist	Beach grass	<5'			Foot traffic Vehicle access Horses	Auto Trash Dumping

Comments

Low foredune in 3 sections between beach and path bordering Wolfe's Pond. Vegetated primarily by beach grass. Mgmt concerns: Dirt bikes and ATVs disrupt beach grass community and threaten dune stability. Trash common, Dump pit present toward west. Medical waste. Additional spp: SOSE, CAED, TRPU, RHCO, LECH, YAEC, POAL, QUPA, YUFI, POCU, PAQU, OEBI, EUPO, APAM, IPSP, DACA, BRTE.

Unit: 6
Acreage 0.16
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Dunes Therophytes Level Dry	Sandbur grass	<5'		Landfill	Foot traffic	Trash Erosion

Comments

Small beach side community with sandbur common throughout. Unit almost merits desert designation. Mgmt concerns: No signage. Threatened infringement by contractors/residents in new development on Arbutus Ave. Other spp.: XAEC, EUPO, TRPU, SAKA, CHAL, SOSE, LEVI.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 7
Acreage 0.75
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Hemicryptophytes Undulating Dry/moist	Mugwort	<5'	Yes	Landfill Fence Jetty	Foot traffic Horses Vehicle access	Trash Erosion Dumping

Comments

Upper dune/bluff with mugwort as most common species. Three sections below Wolfe's Pond; one section above jetty by Arbutus Ave. Vegetated by diverse mix of herbaceous plants with salt pruned shrubs and trees. Mgmt concerns: No signs, bollards or gates to keep out motor vehicles. Other spp: SOSE, MEAL, TRRE, RHCO, LOJA, ASNO, ASVI, CIIN, TORA, XAEC, FRAM, TISP, AIAL, DAGL, ASSY, DACA, EUPO, POCU, AMBR, SAOF, CHAL, PHPR, PHYT, DISA, TRPU, PRSE, QUPA, PAQU, Fauna: yellow wooly bear, black swallowtail larvae, American toad.

Unit: 8
Acreage 0.05
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Evergreen Chamaephytes Level Dry/moist	Exotic shrubs	<5'	Yes	Full-crown		

Comments

Landscaped edge of Arbutus Ave. Terminus across from new beach front residences. Unauthorized plantings if indeed Park property. Unit includes full-crowned American hackberry, possibly only original species in unit. Shrubs include cedars, pines, olives, yews, and unknowns. Sign for Design Landscapers: 718-356-8045.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 9
Acreage 0.57
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Hemicryptophytes Slope Dry/moist	Mugwort	<5'	Yes		Foot traffic Vehicle access	Auto Erosion Dumping

Comments

Unit sandy and dominated by mugwort. One section a steep beach bluff which separates picnic area from beach. Section along Holten Ave. Level except for a mound near road. Mgmt concerns: 1) Erosion from vehicle and foot traffic. 2) Car burned 3) Woodchips used to stabilize slope by promoting ARVU. Other spp.: BRTE, XAEC, AMBR, TRPU, LEVI, ALSP, ASSY, CEOR, PAQU, PHPR, LECH, PHAU, SORU, OEBl, COSE, TORA, DACA, ACMI, MEAL, TRPR, CIIN, QUPA, ACPL, AMFR, CATA.

Unit: 10
Acreage 0.72
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Dunes Hemicryptophytes Level Dry/moist	Purple sand grass Beach grass Salt meadow cordgrass	<5' <5' <5'	Yes		Foot traffic Vehicle access Campfire	Trash

Comments

Two sections of upper beach toward the northeast dominated by purple sand grass and beach grass. Other common grasses and herbs are salt meadow cord grass, sand bur, clotbur, seaside goldenrod, bouncing bet. Mgmt concerns: 1) Neat campfire site on border with woodland; 2) Trash/tidal wrack-filled depression present; and, 3) Patches of Phragmites, Japanese knotweed and mugwort may become invasive. Other spp.: PAQU, CYES, ACMI, HELA, LASC, ROMU, AMFR, RHCO, PRSE, CHAL, ASSU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 11
Acreage 0.47
Mgmt. 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	Exotics	Foot traffic	Erosion
Hemicryptophytes	Virginia creeper	<5'				
Slope	Bittersweet	<5'	Yes			
Dry/moist	Black cherry	<5' & 5-30'				

Comments

Seaward facing slope of varied steepness along swim beach covered by a variety of herbaceous and woody plants. Mugwort common throughout. Shrub sized black cherry common. Pear, peach and mulberry also present. Excellent bird browse. Mgmt concerns: Eroded cuts in bluff from traffic need signs and bollards.

Unit: 12
Acreage 0.16
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Vehicle access Foot traffic	Compaction Auto
Hemicryptophytes						
Slope						
Dry						

Comments

Unit denuded compacted area at end of pathway and before front bluff. Unit adjacent to landscaped picnic area. Doorweed and red-stemmed plantain present. Mgmt concerns: Area could be reclaimed into landscaped area.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 13
Acreage 6.83
Mgmt. 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'		Exotics	Sports	
	White clover	<5'	Yes	Foundation	Foot traffic	
Hemicryptophytes	English plantain	<5'	Yes		Picnic	
Level	Path rush	<5'				
Dry/moist	Red-stem. Plantain	<5'				
	Dandelion	<5'	Yes			

Comments

Mowed lawn area with CSG and white clover dominating. Following three species in equal abundance.

Unit: 14
Acreage 10.83
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30' & 5-30'		Exotics	Picnic	Erosion
Deciduous	Honey locust	>30' & 5-30'		Full-crown	Foot traffic	Vandalism
Hemicryptophytes	London plane	>30' & 5-30'	Yes	Foundation	Campfire	Auto
Undulating	Sweetgum	>30' & 5-30'				
Dry/moist	Black cherry	>30' & 5-30'				
	Willow oak	>30' & 5-30'				

Comments

Landscaped area with equal quantities of first three species and clusters of sweetgum in NW section near pond. Some black cherry and willow oak throughout. Mowed lawn with picnic tables, swing sets, see-saws and horse shoe throws. Depressed areas hold water. MC: Eroded pathways. Some soil entering pond. Additional spp.: QUAL, MOAL, ULSP, ELAN."

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 15
Acreage 0.67
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Road Hedgerow	Foot traffic	Compaction
Therophytes Level Dry/moist						

Comments

Former road, now blocked off by woodchips and bollards. Unit starting to regenerate. Some wet pockets. Other spp.: LEVI, AMAR, POPR, CHAL, DAGL, ARVU, TRRE. MC: Restrict traffic and promote revegetation.

Unit: 16
Acreage 0.26
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Hemicryptophytes Depression Wet	Spike rush	<5'		Full-crown Exotics		Auto Trash

Comments

Five separate wet depression with some surface water at present time. Easternmost section contains hydrant and is separated from other sections by dirt drive. Spike rush dominates in all, but eastern most section contains abundant water plantain. MC: Protect unique unit-prohibit vehicle access and mowing. Other spp.: CARX, RUCR, ROIS, TYLA, PHPR. Full crown pin oak and crabapple also in unit.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 17
Acreage 0.43
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	White clover	<5'				Auto
	Path rush	<5'				
Hemicryptophytes	Grass spp.	<5'				
Level	Curly dock	<5'				
Dry/moist	Timothy	<5'				

Comments

Unit dominated by white clover and path rush. Curly dock and Timothy grass also present. Edge along railroad ties contains mugwort, Asiatic bittersweet, Timothy grass and cinquefoil species. The tall herbaceous growth bordering parking lot is treated with herbicides. Other spp.: TAOF, TRPR, CARX, PLMA, PLLA, ALSP, CYPE, PAQU, SOSP, SODU, ASSY, RUOB, POSI, QUPA, LEVI, ROIS, TRHY, PRSE, etc...

Unit: 18
Acreage 3.66
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Full-crown	Vehicle access	Auto Compaction Vandalism
Level						
Dry/moist						

Comments

Dirt parking lot and road into the Park at Cornelia Ave. with depression areas that hold water. Road and lot rutted.. Two full-crown sweetgums in middle of road. MC: some bollards out of place, which allow vehicle access to field and landscaped picnic area. Open access to park at night.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 19
Acreage 0.37
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert					Buildings	Vandalism
Level						
Dry						

Comments

All park buildings including women's and men's showers and bathrooms, lifeguards office, and Park maintenance building including surrounding asphalt and flagpole.

Unit: 20
Acreage 0.14
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black cherry	<5' & 5-30'		Fence	Storage	Trash
Deciduous	Sweetgum	<5' & 5-30'				
Phanerophytes	Sassafras	<5' & 5-30'				
Level	Gray birch	<5' & 5-30'				
Dry/moist	Pin oak	<5' & 5-30'				
	Red maple	<5' & 5-30'				

Comments

Fenced in area used for storage of park maintenance equipment. Young trees and shrubs dominate along fence with open herbaceous area in the north half. Other spp.: ARVU, ASSY, PACL, DIAR, IMBI, SOSPO, TRAG, SOAR, CYPE, PHPR, POCU, TORA, PATR, LOJA, SMRO, RUSP, PAQU, CEOR, VIDE, COAM, AMEL, MOAL, ACPL, QURU, SAAL, LIST, SASP, ACRU, BEPA, PRSE, QUPA. Fauna includes: stray kitten, catbirds.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 21
Acreage 1.36
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Landfill	Horses Foot traffic	Compaction Auto
Level						
Dry/moist						

Comments

Open, mostly unvegetated, gravel filled "bus lot" area adjacent to drive with some herbaceous growth particularly along the edges. Predominate plant spp. include doorweed, white clover, crab grass, path rush, plantain (red-stemmed and English) and red maple seedlings. MC: Unit could become an herbaceous community in a few years if protected from vehicle access. Other spp.: POPR, CIIN, TAOF, ERHI, LEVI, RUAB. Fauna includes: pheasants, garter snakes.

Unit: 22
Acreage 1.19
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5'	Yes		Foot traffic Fishing	Erosion Compaction Trash
Deciduous						
Lianas						
Slope						
Moist						

Comments

WP shoreline vineland dominated by Asiatic bittersweet with swamp rose mallow and swamp milkweed also common. Dodder, swamp dock and willow present on east shore. Japanese knotweed, Phragmites, jewelweed and shining sumac common in south. MC: soil compaction and erosion due to foot traffic and fishing access. Defecation and rats present. Animals include: glossy ibis, black-crowned night heron. Spp: FRPA, ACSN, COAM, MOAL, COSE, LYUN, LYSA, TORA, SABA, SANI, ROMU, LIST, SODU, POPR, OEBI, LEVI, AMAR, VIDE, QUPA, RUSP, PAQU, PACL.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 23
Acreage 0.18
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	Erosion
Deciduous	Sweetgum	>30'			Fishing	Compaction
Phanerophytes	Sassafras	>30'				Trash
Undulating						
Dry/moist						

Comments

Narrow forest on NE pond edge with above canopy and mixed understory containing many sweet pepperbush and Sassafras, pin oak, sweetgum and black cherry saplings. MC: Severe soil compaction and erosion due to excessive foot traffic, fishing and rain water run-off. Tree roots exposed. Snapping turtle, black-crowned night heron and great blue herons sighted. Other spp.: ACRU, PRAV, BELE, PYAR, VAAN, VIPR, VIDE, RHCO, HIPA, IMBI, LYUN, POSP, SODU, DEFL, PASP, PACL, TORA, SMRO, RUSP, CEOR, AMEL, ASIN, CEOR.

Unit: 24
Acreage 0.68
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes	Old dock		Dumping
Deciduous	Japanese Honeysuckle	<5' & 5-30'	Yes			
Lianas	Sassafras	<5' & 5-30'				
Slope	Black cherry	<5' & 5-30'				
Dry/moist	Shining sumac	<5' & 5-30'				
	Climb.false buckwh	<5'				

Comments

Vineland of mostly Asiatic bittersweet and honeysuckle over shrubs and young trees, immediately west of rental cottages on Belle Dr. Unit is thick and impenetrable and slopes down to sand grass community on beach. Other spp.: ALJU, AIAL, RUOB, ASSY, PALA, PHYT, LASP, QUPA, PAQU, MOAL. Catbirds sighted.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 25
Acreage 1.12
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Silver maple	>30'		Full-crown	Foot traffic	Dumping
Deciduous	Sweetgum	>30'		Exotics	Gardening	
Hemicryptophytes	Black cherry	>30'		Fence		
Level	Red maple	>30'				
Dry/moist						

Comments

Unit consists of landscaped yards associated with rental cottages. Large, full-crown trees appear in backyards and line Belle Dr. Other tree spp. include: American hackberry, apple, white pine, Norway spruce and rose-of-sharon. Mowed lawns of CSG, cultivated vegetable and flower gardens and overgrown yards present.

Unit: 26
Acreage 0.41
Mgmt. No

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

Comments

City owned rental cottages on Belle Dr. Inhabited mostly during summer as vacation homes. Unit consists of about 12 addresses and includes auxillary structures, sheds, docks, decks, etc.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 27
Acreage 0.56
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Chamaephytes Level Dry/moist	Silver maple	>30' & 5-30'		Full-crown tree Fence Hedgerow		Trash

Comments

Unit comprises center section of rental cottages (Belle Dr.) and is almost exclusively silver maple with sparse understory. Toward west, canopy includes black cherry, green ash, Norway maple and Sassafras with Japanese honeysuckle, Asiatic bittersweet, privet, arrow- wood and multiflora rose in the understory. Herbaceous edges present since unit is adjacent to many drives, structures, yards etc. Mugwort, goldenrod, grasses, jewelweed, lily spp., gill-over-the-ground common. Spp.: TORA, MOAL, SABA, PAQU, ASIN. Squirrels, dogs.

Unit: 28
Acreage 0.40
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Dry/moist	Sweetgum Pin oak	>30' >30'		Foundation Fence Full-crown		Dumping Digging Exotics

Comments

Vacant lot and drive in cottage community on Harriet/Belle Dr. Mostly sweetgum and pin oak with herbaceous understory of goldenrod spp. aster spp., grass spp., and mugwort. Shining sumac and Japanese knotweed towards N along forest border. Unit site of former cottage that was illegally bulldozed in an attempted foundation/septic construction project about 5 yrs ago. Ground uneven and scarred from this aborted dig and is fenced off from public. Spp: PHAU, ECCR, ASNB, TORA, LOJA, AMTR, ACPL, GLHE, COAM, PRSE, VIDE, FRPE, CARA, CEOR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 29
Acreage 0.22
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Lianas Slope Dry	Bittersweet Jap. Honeysuckle	<5' & 5-30' <5'	Yes	Hydrant	Foot traffic	Dumping

Comments

Unit faces beach and is mostly Asiatic bittersweet amidst tall herbaceous plants and scrubby trees. Unit includes patch of woodland covered by Asiatic bittersweet. Other spp.: ARVU, SOSP, ASSU, QUPA, HELA, ROMU, LOJA, RHCO, AIAL, COAM, ACSN, MOAL, SAAL, COSE, APAM, PRSE, ACPL, RUSP, SASP, CISP, PAVI.

Unit: 30
Acreage 0.36
Mgmt. No

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

Comments

Harriet Ave. or Belle Drive located off of southern terminus of Cornelia Ave."

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 31
Acreage 1.35
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Shining sumac	<5' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Sassafras	<5' & 5-30'			Vehicle access	Auto
Geophytes	Sweetgum	<5' & 5-30'			Horses	Fire
Undulating	Mugwort	<5'	Yes			
Dry/moist	Poison ivy	<5'				
Japanese Honeysuckle	<5'	<5'	Yes			

Comments

Above spp.co-abundant throughout with patches of Phragmites, Japanese knotweed, Virginia creeper and silky dogwood present and Helianthus sp., New England aster, orchard grass, umbrella sedge, goldenrod spp., and switch grass along foot path. MC: Burnt auto present. Garbage dumped at terminus of Huguenot. No signage. Large portion of unit is probably old fill site. Unit ends abruptly on beach where ties, slabs etc create barrier with high tide. Spp.: PRSE, FRSP, SASP, CATA, MYPE, RUSP, AMFR, PAQU, APAN, CIIN, CISP, BISP, AMAR, CSG.

Unit: 32
Acreage 0.19
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black locust	<5' & 5-30'	Yes	Stairs		Erosion
Deciduous						Trash
Hemicryptophytes						
Slope						
Dry/moist						

Comments

Steep bluff bordering beach NE of Huguenot storm sewer outlet. Black locust dominates with mugwort, Asiatic bittersweet, Japanese knotweed, poison ivy, Ailanthus, Helianthus sp. and Japanese honeysuckle. Larger black locust trunks fallen at base of bluff with viable sprouts/suckers appear to help stabilize slope. Private lawns with willows border above. Other spp.: PASA, TORA, PHYT, SOSP, MOAL.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 33
Acreage 0.11
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Japanese Honeysuckle	<5' & 5-30'	Yes			Dumping
Deciduous	Bittersweet	<5' & 5-30'	Yes			Fire
Lianas	Mugwort	<5' & 5-30'	Yes			
Level	Phragmites	<5' & 5-30'	Yes			
Dry/moist						

Comments

A tall and thick unit of invasives masks an uneven and disturbed ground surface. Japanese honeysuckle and Asiatic bittersweet co-dominate with mugwort; Phragmites, great ragweed, rough-stemmed goldenrod prominent along Chester Ave. border. Young trees including silver maple, white ash present but are vine-covered. MC: Dumping household and yard waste a problem. Spp.: PHYT, POCU, PAQU, ROMU, RHCO, IPSP, TORA.

Unit: 34
Acreage 7.02
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	All	Yes	Full-crown		Dumping
Deciduous	Japanese Honeysuckle	<5' & 5-30'	Yes	Utility pol		Fire
Lianas	Poison ivy	All				
Level	Sweetgum	>30' & 5-30'				
Dry/moist	Red oak	>30'	Yes			
	Silver maple	>30'				

Comments

Large vine dominated unit that is mostly woodland of sweetgum, red oak, silver maple, Norway maple, Sassafras, white mulberry, green ash, black cherry and Ailanthus intercepted by open sunny lots of dense vines plus Rubus, jewelweed, shining sumac, dogbane and elderberry. Unit is former site of Chester Ave. extension to Cornelia and large summer cottage colony. MC: Near Huguenot, park unmarked and abused by garbage dumpers. Understory of wooded section bare/trashy to very viney. ROPS, FYSY, ACRU, PLAC, SABA, POSC, WISP, VISP, HEHE, CARA, SMRO, HYSB

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 35
Acreage 0.51
Mgmt. 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'		Sidewalk	Park sign Foot traffic	
Hemipterophytes Level Dry/moist						

Comments

Unit of mowed CSG on corner of Hylan and Cornelia and along the west side of Cornelia toward Park entrance. At corner of Cornelia and Hylan, park sign surrounded by planted flowers. Section along Cornelia contains sidewalk, which is overgrown by CSG and other herbaceous plants such as PLRU, PLLA, TRHY, TRRE, TRPR, TAOF, CIIN, POLY, EUPH, MEAL, DIAR, ACMI, DACA, BRYO, AMAR, TORA, STME, RHCO, SMRO, QURU, ACRU, FRVI, PAQU, POAV, AMTR, LEVI, POSI, EUPH, LOSI, VIKI, CARA.

Unit: 36
Acreage 0.72
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Silver maple	>30'		Foundation	Foot traffic	Dumping
Deciduous	Ailanthus	>30'	Yes	Full-crown		Trash
Lianas	Red maple	>30'		Exotics		
Undulating	Pin oak	>30'				
Dry/moist	White poplar	>30'				
	Bittersweet	5-30', <5'	Yes			

Comments

Tree spp. Dominate canopy in order listed above. Asiatic bittersweet most common vine, both on trees and on ground. Other shrubs and vines include Rubus, Virginia creeper and poison ivy. Rough-stemmed goldenrod and jewelweed common with some Japanese knotweed in southern section. Unit separated by wp outlet. Foundation and horticultural plantings such as crab apple, horse chestnut, and day lilies. Spp.: ACPL, MOAL, HIPA, PRSE, RHCO, ROMU, MESP, HIMI, RUPH, CUGR, LOJA, LIVU, CEOC.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 37
Acreage 0.17
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Privet hedge	<5' & 5-30'	Yes	Foundation	Foot traffic	Dumping
Deciduous	Poison ivy	<5'		Fence		Trash
Lianas				Exotics		Erosion
Level						
Dry/moist						

Comments

15-20' tall privet dominate in tall thicket row and allows little to grow in understory except poison ivy. Much soil exposed. Area contains foundation, bricks, fence and fenceposts and exotic plantings. Along Holten Ave. edge species such as mugwort, crab grass, ragweed and chicory found. Other spp.: AIAL, QUPA, ROPS, ACPL, ULSP, POCU, CEOC, AMTR, BIFR, LEVI, HEFU, OXST, ROMU, CYES, POSP, PHAU, HETU, GRSP, PAQU, LOJA.

Unit: 38
Acreage 0.22
Mgmt. 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'		Fence	Sports	
	Ragweed	<5'			Foot traffic	
Hemicryptophytes						
Level						
Dry/moist						

Comments

Occasionally mowed meadow dominated by CSG and ragweed on path from Holten Ave. Animals: male pheasant, monarchs & larvae on swamp milkweed. Poles for volleyball nets present. Other spp.: CUSP, OERI, COSE, ASSY, RHCR, CYES, ACMI, DACA, TRPE, TAOF, PLLA, PLRU, CIIN, POSI, RUSP, ERAN, PHPR, COCO, SODU, TRPR, POCU, SESE, PHAU, AGAL, POLY, IMBI, RHCO, CHLE, TRAR, CECR, MOAL, SOGR, ECCR, PAMI, HEDE, SEGL, CIRE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 39
Acreage 0.52
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & 5-30'	Yes		Foot traffic	Dumping
Deciduous	Silver maple	>30' & 5-30'				Trash
Lianas						
Undulating						
Dry/moist						

Comments

Disturbed vineland dominated by Asiatic bittersweet. Trees mostly silver maple, covered with vines. Dead standing trees also in unit. MC: Excessive dumping from tree pruning and gardening, household appliances, trash, etc. Dangerous to walk through. Other spp.: QUPA, SAAL, ACPL, PRSE, POAL, AIAL, RHCO, ULRU, VIDE, CEOC, SODU, COCO, PAQU, TORA, RUSP, BETH, LOJA, VIMI, TAOF, ARVU, PPLA, PHYT, AMTR.

Unit: 40
Acreage 0.44
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Shining sumac	<5' & 5-30'		Full-crown	Foot traffic	
Deciduous						
Hemicryptophytes						
Undulating						
Dry/moist						

Comments

Beautiful scrubland of shining sumac, grasses and goldenrod. Line of mature black cherries along pond. Stands of red maple and Sassafras <30', and some Asiatic bittersweet in the NE. Other spp.: SORU, SOSP, PASP, HEFU, IMBI, POCU, PAVI, GRSP, CUGR, RUAL, TORA, APAM, VIDE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 41
Acreage 0.14
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Lianas Level Dry/moist	Silver maple	>30'			Foot traffic	Dumping Auto Trash

Comments

Highly disturbed woodland along Holten Ave. Dominated by silver maple. Understory bare in many areas, but vines are most common. Vines include: bittersweet, Virginia creeper and Rubus sp. MC: Much dumping from tree and garden prunings and grass clippings. Also trash. Other spp.: ACRU, ACSN, FRPA, PRSE, SAAL, LIST, MOAL, ROMA, VIDE, PLRU, SOSP, HOSP, PIPU, OXST, POCU, PAYT, IMBI, VIOL, POLY, SODU, POPR, COCO, AMTR, ARVU, VIMI, TORA, VISP, GLAE, HEHE."

Unit: 42
Acreage 0.52
Mgmt. 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 Undulating Dry/moist	Japanese Knotweed Silver maple Sweetgum Shining sumac	<5' 5'-30' 5'-30' <5' & 5-30'	Ye	Full-crown	Foot traffic	Dumping

Comments

Disturbed area dominated by Japanese knotweed. Scattered trees most common in above order. In northern section, knotweed appears to be dying. MC: Tree pruning waste dumped here. Other spp.: PRSE, SAAL, ACRU, IMPI, ROMU, LYLY, CYES, GRSP, COCO, PHYT, RUPH, VISP, TORA, PAQU, DIVI, SMRO, SODU, LOJA, AMTR, POLY, SOSP, HEFU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 43
Acreage 0.39
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Green ash	>30'		Full-crown	Foot traffic	Erosion
Deciduous	Sweetgum	>30'			Sports	Knotweed
Hemicryptophytes	Red maple	>30'				
Level						
Dry/moist						

Comments

Mowed CSG between Holten Ave. and WP. Canopy trees most abundant in above order, with black cherry and pin oak also present. MC: 1) Some erosion into WP in SE: 2) Young Japanese knotweed scattered throughout. Other spp.: AIAL, SAAL, PRAL, PLRU, POLY, DACA, ACMI, CIIN, OXST, ARVU, TAOF, VIKI, GLHE, PACL, JUTE, HIPN, POPR, ASIN, VIDE, RUSP, SMRO, TORA, PAQU, CEOR.

Unit: 44
Acreage 0.26
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White ash	>30'		Full-crown	Foot traffic	Dumping
Deciduous	Red maple	>30'				Excavation
Therophytes						
Level						
Dry/moist						

Comments

White ash woodland with tall, mostly herbaceous understory of jewelweed, purple loosestrife, Rubus sp., milkweed, mugwort, elderberry, thistle sp., orchard grass, beggar tick, curly dock and pokeweed. Large black willows lean over pond. Silky dogwood, swamp rose mallow, young red, silver and Norway maples, hackberry, groundnut, Japanese honeysuckle also present. MC: No signage present. Yard waste dumping common. Spp.: CUGR, CEOR, PAQU, ROMU, VACO, AIAL, QUPA, SAAL, COCO, SESE, GLHE, TAOF, PLMA, POCU, CSG, SOSP, POPR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 45
Acreage 1.05
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	Trash
Deciduous	Red maple	>30'				Erosion
Phanerophytes	Arrowwood	<5' & 5-30'				
Level						
Dry/moist						

Comments

Narrow forest along west shore of WP with above spp. Dominating. Most of unit extends to water mark with red maples and black willow leaning over pond. MC: Western border of unit threatened by aggressive Asiatic bittersweet growth in vineland along Holten Ave. Arrowwood and silky dogwood abundant particularly along shore, providing cover for waterfowl. Spp.: LIST, MOAL, FRAM, PRSE, FAGR, NYSY, TORA, APAM, BETH, VIPR, IMBI, MESP, ARTR, POBI, JUTE, URSP, MOUN.

Unit: 46
Acreage 1.24
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Bittersweet	<5' & >30'	Yes		Foot traffic	Dumping
Deciduous	Catbrier	<5' & >30'				
Lianas	Poison ivy	<5' & >30'				
Level	Multiflora rose	<5'				
Dry/moist						

Comments

Vineland of mostly Asiatic bittersweet with tall herbaceous understory of mainly mugwort, great ragweed, purple loosestrife, jewelweed and goldenrod spp. Trees covered by vines include: white mulberry, Norway maple, black locust, black cherry, white ash, pin oak, sweetgum, American and lowland hackberry and Sassafras. MC: Community is disturbed "edge" bordering Holten Ave. and subject to local dumping, street drain/flooding, street/utility repairs etc. Porcelainberry present. No signs. Spp.: AGSP, PHYT, CYES, ECCR, ASSY, VIDE, COAM, VISP, PAQU, AIAL, QURU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 47
Acreage 0.16
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Pin oak	<5' & 5-30'			Foot traffic	Erosion
Deciduous	Sweetgum	<5' & 5-30'			Campfire	Trash
Lianas	Gray birch	5'-30'				
Slope						
Dry/moist						

Comments

Sunny scrub community with dense herbaceous and vine growth. Young pin oaks dominate with sweetgum, shining sumac, Rubus, multiflora rose, Japanese honeysuckle, goldenrod spp., grass spp., common throughout. Unit criss-crossed by footpaths leading from Holten to bare shore along WP. An adjacent shoreline patch of tall gray birch and sweetgum is included. MC: Sparsely vegetated slope is eroded and trashy. No signs or trash cans. Spp.: SANI, CASP, QURU, VIPR, VIDE, COAM, PAVI, PHPR, TRPR, EUMA, JUTE, DACA, MESP, ASSY, PAQU, TORA, SMRO, LASP, POVI.

Unit: 48
Acreage 0.36
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Fire
Deciduous	Sweetgum	All				
Phanerophytes	Arrowwood	<5' & 5-30'				
Undulating	Blackhaw	<5' & 5-30'				
Dry/moist	Poison ivy	<5'				
	Catbrier	<5'				

Comments

Red oak forest west of pond with subcanopy of viburnum and young trees including Sassafras, black cherry and black birch; and an understory of mostly poison ivy and catbrier with white wood aster, false Solomon seal, Virginia creeper and Japanese barberry. MC: Erosion into WP via path, slope and gully. Other spp.: ARSP, CRSP, DEPA, CEOC, MOAL, SAAL, LOJA, EUMA, FAGR, QUPA."

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 49
Acreage 0.99
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	>30' & 5-30'			Foot traffic	Erosion
Deciduous	Red oak	>30' & 5-30'			Campfire	Trash
Hemicryptophytes	White oak	>30' & 5-30'			Fishing	
Undulating						
Dry/moist						

Comments

American beech forest along W shore WP and including slope of flood water gully. Understory generally sparse with white wood aster, grass spp., moss spp., and mushrooms common throughout. MC: shoreline steeper than in previous unit, and erosion from foot traffic has lost much top soil and exposed many tree roots. Tree carving, litter and campfires common. Many beech tree trunks have hollowed openings near bases. Spp.: ASDI, BRYO, DEFL, VAAN, LIST, PRVI, SAAL, TORA, QUPA, SOCA, VIDE, PAQU, LIBE, DEPA, SMRO.

Unit: 50
Acreage 0.46
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All				Fire
Deciduous	Black locust	>30' & 5-30'	Yes			
Phanerophytes	Catbrier	<5' & 5-30'				
Level	Spicebush	<5' & 5-30'				
Dry/moist	Blackhaw	5'-30'				
	Red oak	>30'				

Comments

Forest of mostly Sassafras great and small perched west of gully. Understory mostly spicebush, blackhaw, mapleleaf viburnum, catbrier, poison ivy, white wood aster. Young red and white oaks present as well as Norway maple. Vines, especially Japanese honeysuckle and catbrier become thicker as one approaches Holten Ave. Fauna: squirrels and crows. Other spp.: LIST, GEOC, PRSE, RUSP, DEPU, EUMA, SOSP, COCO, VISP, SMRA, ASSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 51
Acreage 8.87
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'				Trash
Deciduous	Spicebush	<5' & 5-30'				
Phanerophytes	Arrowwood	<5' & 5-30'				
Undulating						
Dry/moist						

Comments

Large sweetgum forest south of Hylan Blvd. and east of Holten Ave.; with arrowwood, Japanese honeysuckle and false nettle common in understory and herbaceous layer. Wildlife: warblers, grackles, black-capped chickadees. Other spp.: QURU, QUAL, ACRU, ACPL, CACO, CAO, SAAL, PRSE, MOAL, LITU, IMBI, POBI, SMRA, OSRE, FAER, ARSP, MACA, ARNU, EUMA, SODU, DEPU, SMRO, RUSP, VISP, AMTR, POCU, POLY, ASSY, ONSE, VIPR, SACA, VACO, ROMU, POPR, ARTR, PHYT, BIFR, GRSP,

Unit: 52
Acreage 0.27
Mgmt. 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	<5' & 5-30'	Yes	Full-crown		Dumping Fire
Deciduous	Ailanthus	<5' & 5-30'	Yes			
Therophytes	Bittersweet	<5' & 5-30'	Yes			
Level	Multiflora rose	<5'				
Dry/moist	Mugwort	<5'	Yes			

Comments

Disturbed "edge" community between sweetgum forest and Holten approaching Hylan with the above spp. common throughout. Sesame grass, great ragweed, smartweed, lady's thumb, beggar's tick, common milkweed dominate understory. Other spp.: MOAL, ULRU, FRPA. MC: Dumping is a problem. Norway maples regenerating and Asiatic bittersweet may become more prominent in the unit.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 53
Acreage 3.78
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Full-crown	Foot traffic	Erosion
Deciduous	Sweetgum	>30'				Trash
Phanerophytes	Black cherry	>30'				
Undulating	Arrowwood	<5' & 5-30'				
Dry/moist	Spicebush	<5' & 5-30'				
	Devil's wlk. Stick	5-30'				

Comments

Mature forest of above six species, with much regeneration in openings. More sweetgum in NW section. In addition to above, common regeneration species include tulip tree and Sassafras. Unit slopes towards wp. Common species in herbaceous layer includes ASDI, SMRA, POBI, PAQU, TORA, SMRO. Other spp.: ACRU, AIAL, COFL, QUPA, MOAL, FRGR, VIAC, VIPR, ROMU, BETH, VISP, RUSP, EUMA, BOCY, THNO, SODU, DEFL, SORU, POLY, TAOF, PLRU, CEOR, LASP, POSP, PHYT, IMBI, ARNU, VIMI, VIHI, MATR

Unit: 54
Acreage 0.13
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Buttonbush	5'-30'			Foot traffic	
Deciduous	Duckweed	<5'				
Chamaephytes						
Depression						
Surface water						

Comments

Small pond with buttonbush and duckweed. Sweetgum, red maple, pin and white oak, Sassafras, black tupelo, and arrowwood also present. Several frogs sighted, as well as downy woodpeckers, dragonflies, yellow swallowtails, etc.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 55
Acreage 16.10
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)					Fishing	Sediment Trash
Hydrophytes Depression Surface water						

Comments

Wolfe's Pond is mostly open water lacking surface vegetation except for isolated patches of water lily, arrow arum, Polygonum sp., and duckweed along the pond edges. MC: Trash, including fish line and car parts, common near shores. Run off from Hylan Blvd. construction project and shoreline erosion cause sedimentation and high turbidity in pond. Low dissolved oxygen. Fauna: great blue, green, and black-crowned night herons, wood ducks, osprey, king fisher, great egrets, carp, snap-ping turtle, minnows, sunfish, frog, muskrat, mallards, lg-mouth bass.

Unit: 56
Acreage 0.82
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)	Arrow arum	<5'			Fishing	Trash Sediment
Deciduous	Swamp rose mallow	<5'				
Geophytes	Water dock	<5'				
Level	Duckweed	<5'				
Surface water						

Comments

Unit composed of numerous bands of off-shore herbaceous species (Wolfe's Pond) that are adapted to or tolerant of standing water. Arrow arum most plentiful, particularly outermost from shore. Banda rarely wider than 20'.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 57
Acreage 0.29
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)	Swamp rose mallow	<5' & 5-30'				Trash
Deciduous	Arrow arum	<5'				
Chamaephytes Level Surface water						

Comments

Dynamic unit encompassing north end of WP where tributary from Hylan Blvd. enter pond. Unit physically characterized by thick muck with channels of standing water weaving through. Swamp rose mallow and arrow arum dominate with channels of standing water weaving through. Swamp rose mallow and arrow arum dominate with clumps of dead and live silky dogwood common. Other spp: IMBI, BOCY, SODU, VESE, POSP, ALSE, VIDE, CEPH, COOB.

Unit: 58
Acreage 0.21
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Arrowwood	<5' & 5-30'				
Deciduous	Sooth alder	5'-30'				
Phanerophytes Depression Wet						

Comments

Muddy northern edge of WP dominated by arrowwood. Young and regenerating trees and a 25' sweetgum marooned in unit. Other spp: SANI, ALSE, ACRU, SAAL, VIPR, IMBI, VISP, MOAL, ONSE, PEVI, SODU, CEPH, LIBE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 59
Acreage 0.59
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	>30'		Pit	Foot traffic	Erosion
Deciduous	Tulip tree	>30'			Horses	Trash
Phanerophytes	Sweetgum	>30'				
Depression	Jewelweed	<5'				
Moist	False nettle	<5'				
	Arrowwood	5-30' &<5'				

Comments

Unit is depression surrounding creek, which leads into WP. Large, widely spaced trees listed above dominate. Much of understory bare due to seasonal flooding, but species # 4-6 above common. Many birds here, including kingfisher. Other spp: BELE, FAGR, SAAL, QUAL, QURU, NYSY, LIBE, VIAC, VIPR, MIRE, ASDI, PIPU, POSP, SIST, SODU, ECCR, DEFL, MACA, POPR, COFL, DEPU, TORA, POLY, PAQU, SMRO, RUSP, POSI, ULAM.

Unit: 60
Acreage 0.18
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	American beech	5'-30'			Foot traffic	Erosion
Deciduous	Black birch	>30'			Fishing	Dumping
Hemicryptophytes	Red oak	>30'				Fire
Slope	Pin oak	>30'				
Dry/moist	Tulip tree	>30'				

Comments

Narrow forest sloping between trail and pond with fairly open understory. Ground with open denuded area (car fire site) on south end. Canopy is a mixture of tall trees with black birch dominating on south end and oaks and tulip tree toward north. MC: Soil erosion and garbage are problems. Other spp: ACRU, FRSP, NYSY, SAAL, VIDE, VIAC, VIPR, VILA, LYQU, TORA, PRTR, SOCU, CSG, DEFL, ASDI, ROMU, COFL, ACPL. Exposed section of old trash (steel beer cans, marine shells, glass) in slope.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 61
Acreage 0.10
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'		Drain pipe	Foot traffic	Erosion
Deciduous	Black birch	>30'				Fire
Chamaephytes	Red maple	>30'				Trash
Slope	Sassafras	>30'				
Dry/moist						

Comments

Forest on slope between WP and trail, with canopy dominated by equal numbers of sweetgum and black birch. Understory consists of arrowwood and vines such as catbrier, bittersweet, Virginia creeper, and Rubus sp. Much soil exposed, but false Solomon's seal, white aster, jewelweed, and sensitive fern common in herbaceous layer. MC: Erosion from run off. In northern corner of unit, large ash burned by car fire. Other spp: QUPA, FAGR, VIAC, BRYO, VIPR, VISP, GRSP, ROMU, PLRU, MESP, POLY, TORA, AMAR, MACA, DEFL, ARTR, RUOB, VIOL. Dead opossum.

Unit: 62
Acreage 0.04
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	>30' & 5-30'		Foundation	Foot traffic	Erosion
Deciduous	Tulip tree	>30'			Fishing	Trash
Phanerophytes	Black birch	>30'				
Slope						
Dry/moist						

Comments

Small slope shore unit on east side of WP and bordered by trail with American beech dominating in canopy and subcanopy. Large tulip tree also in canopy. Although ground mostly bare beneath canopy, some young trees (FAGR, BELE, PRSE, QUPA,) arrowwood, bittersweet, and herbaceous plants (ASDI, POLY, SMRA, CSG) are present. MC: Soil erosion and trash are problems. Other spp: AIAL, CIQU, BRYO.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 63
Acreage 0.28
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Road	Foot traffic	Erosion
Deciduous	Sweetgum	>30'			Fishing	Compaction
Phanerophytes	Black birch	5'-30'				Trash
Slope	White oak	>30'				
Dry/moist						

Comments

Diverse open woodland crossed by many paths and adjacent to WP. Canopy trees mostly pin oak and sweetgum. Subcanopy black birch, Sassafras, ash, choke cherry, and arrowwood. Understory VIAC, PRSE, VACO, VAAN, CSG, BRYO (especially on trails), POLY, PLRU, ASDI, DEFL. MC: black birch (10-20') appear afflicted with disease and/or insect defoliator. Soil compaction on trails and erosion along shore are problems. Other spp: LITU, ACRU, FAGR, PRTR, DIAR, TAOF, AMAR, POSI, SMRO, PAQU.

Unit: 64
Acreage 0.30
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Full-crown	Foot traffic	Erosion
Deciduous				Foundation	Fishing	Compaction
Hemicryptophytes						
Undulating						
Dry/moist						

Comments

Canopy mostly pin oak with some sweetgum, black birch and beech near WP. Understory mostly path rush and CSG. Eroded paths border the unit on east and west. Catbrier prominent under pin oaks in center. Along pond edge, some high and lowbush blueberry and willow oak present. Sunny spots have some white clover. MC: Erosion and deposition into WP due to foot traffic and fishing. Catbrier alert! Other spp.: BRYO, DEFL, POLY, SIAN, SAAL, TAOF, SORU, SOCA, PRSE, TORA, VIDE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 65
Acreage 0.79
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Erosion
Deciduous	Pin oak	>30'			Defecation	Trash
Lianas	Catbrier	<5' & 5-30'	Yes		Horses	
Undulating	Arrowwood	5'-30'				
Moist						

Comments

Closed sweetgum forest with pin oak increasingly common closer to picnic area/parking lot. Understory of catbrier overtopping shrubs, mostly arrowwood. MC: defecation near pond on large and small paths, with erosion and compaction. Other spp.: PRSE, TORA, VIPR, PAQU, ASSI, SMRA, POBI, RUAL, LOJA, LIBE, PRAV, EUMA, POTS, PACL, SIAN, DEFL. Fauna: swallowtail, garter snake, gray catbird, N. flicker, tufted titmouse, black capped chickadee, cedar waxwing, red bellied and downy woodpecker, common grackle, and crested flycatcher.

Unit: 66
Acreage 0.08
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Pin oak	>30'			Defecation	
Chamaephytes	American beech	>30' & 5-30'				
Slope						
Dry/moist						

Comments

Layered canopy unit with sweetgum and pin oak predominating above 30'; young American beech, sweetgum, pin oak, and black birch form a closed subcanopy. Understory mixture of young trees (PRSE, SAAL, FRGR) woody shrubs (VIDE, VACO, VAAN, PRVI) and herbaceous plants (ASDI, PRTR, SMRA, MACA.) MC: Discourage foot traffic and bathroom usage. Occassional catbrier could become more abundant.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 67
Acreage 0.06
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Pin oak	>30'			Santeria	
Hemicryptophytes						
Level						
Dry/moist						

Comments

Small, path divided unit composed of a few tall trees with low, mainly herbaceous understory of white wood aster, gall-of-the-earth, Juncus sp., violet, smartweed, hair grass, Solomon's seal spp., saplings (PRSE, SAAL, BELE.). Chicken mushroom at base of pin oak. MC: Fortify barrier at path heads to prevent vehicular traffic.

Unit: 68
Acreage 0.15
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	>30'			Foot traffic	Trash
Deciduous						Dumping
Lianas						
Slope						
Dry/moist						

Comments

Black cherry canopy with vine understory of mostly catbrier, Japanese honeysuckle, poison ivy, and some multi-flora rose. Within vine understory are young black cherry and Sassafras as well as arrowwood, spicebush, white wood aster, Solomon seal sp. Virginia knotweed, chokeberry, and highbush blueberry. MC: Aggressive vine growth may inhibit regenerating tree spp. Pruning waste dumped here. Other spp: MACA, SODU, MOAL, PAQU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 69
Acreage 0.93
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Undulating Dry/moist	Sweetgum	>30'			Foot traffic	Defecation Trash

Comments

Forest canopy dominated by sweetgum with few Sassafras. Herbaceous layer is a gradient of lawn and woodland spp.: near mowed landscaped unit, CSG, is abundant. North, towards woods, white wood aster and Japanese honeysuckle mix with grasses. Further north, in addition to other spp., false Solomon's seal and Rubus spp. become common. MC: Defecation. Spp: QUPA, TAOF, PLRU, DEFL, SIAN, VIOL, POBI, ARMI, LISP, LASP, AMAR, ROMU, PRTR, POSP, PACL, MACA, BIFR, PHYT, TORA, PAQU, GASP, SMRO, POSI, CEOR, VISP, RUAL, RUPH, RUOC, LIBE, VIPR, SACA, MOAL, ELUM, LITU.

Unit: 70
Acreage 0.92
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Chamaephytes Slope Dry/moist	Sweetgum Arrowwood Spicebush Black cherry	>30' 5'-30' 5'-30' 5'-30'			Foot traffic Defecation	Trash

Comments

Unit of 60-80' tall sweetgum. Tall understory mostly arrowwood with spicebush and black cherry. Also. TORA, IMBI, POLT, PHYT, ASDI, RUSP, LIST, LITU, FRAM, ACRU. Numerous flicker and wren nests. Meadow vole sighted.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 71
Acreage 1.23
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Full-crown	Foot traffic	Dumping
Deciduous	Sweetgum	>30'				Trash
Phanerophytes	Arrowwood	<5' & 5-30'				
Level						
Dry/moist						

Comments

Forest at bottom sloping sweetgum unit bordered by N-S trail. Large pin oaks common amongst sweetgum, black cherry and Sassafras. Understory is a patchwork of dense arrowwood with vines, especially along the edges, and grassy herbaceous growth where disturbances (fallen trees, trails, dumping...) occurred. Other spp.: TORA, PAQU, SMRO, CSG, DEFL, SACA, PHYT, RUSP, LIBE, VIPR, JUTE, LISU, LITU, LIST, ACRU, QUPA, QURU, SAAL, PRSE, FRAM, QUBI, NYSY, FRGR, ACRU, BELE.

Unit: 72
Acreage 0.07
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'			Foot traffic	Trash
Deciduous	Red oak	>30'			Santeria	
Hemicryptophytes	Sweetgum	>30'				
Level	Smartweed	<5'				
Dry/moist	Cool season grass	<5'				

Comments

Unit small round area containing four trees with no understory. Herbaceous ground cover of smartweed, jeweled, clearweed and Juncus sp., red stemmed plantain and CSG. Young cherry near edge. MC: due to open nature, site likely for illegal and uncontained fire and dumping. Evidence of ritualistic gathering.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 73
Acreage 0.06
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Red oak	>30'				
Hemicryptophytes	Pin oak	>30'				
Level	White wood aster	<5'				
Dry/moist						

Comments

Small open area with a few tall trees and herbaceous understory of mostly white wood aster. Other ground layer plants include MESP, PRTR, POLT, CSG, VIOE, LITU, LIST, PRSE. Due to open nature of site and proximity to trails, human disturbance (eg: illegal fire or dumping) likely. Also, some Japanese knotweed present along edges.

Unit: 74
Acreage 0.06
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'			Foot traffic	Defecation
Deciduous						Trash
Hemicryptophytes						
Depression						
Moist						

Comments

Open, moist woodland dominated by pin oak canopy, and ground cover of CSG and jewelweed. Some bare soil exposed. MC: Patch of Japanese knotweed may invade. Area used as toilet. Other spp.: ASDI, VIDE, RUSP, POLY, LIBE, PAQU, POSI, LOJA, PRSE, SAAL. Fauna: garter snake.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 75
Acreage 0.04
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	
Deciduous	Sassafras	>30' & 5-30'				
Phanerophytes	Black cherry	5'-30'				
Slope						
Dry/moist						

Comments

Canopy dominated by sweetgum with Sassafras toward the east. Understory contains Sassafras and black cherry. Herbaceous layer lush with asters, Asiatic bittersweet, Rubus. MC: Japanese knotweed and multiflora rose could overtake the young trees. Othe spp. VIDE, TORA, PAQU, SMRA, LOJA, POSI, VIOL, LISP, SMRO, CYPE, PRTR, MOAL, IMBI, LIBE, ACRU, FRSP.

Unit: 76
Acreage 1.87
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Catbrier	<5'	Yes			
Lianas						
Slope						
Dry/moist						

Comments

Sweetgum canopy with dense vine (mostly catbrier) and shrub (mostly arrowwood) subcanopy. Other common subcanopy species include: Rubus, Japanese honeysuckle, poison ivy and spicebush. Other spp.: SAAL, PRSE, ACRU, QUPA, LITU, MACA, SMRA, VIPR, OEPU, BETH, POSI, IMBI, CEOR, ASDI, VIAC, LISP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 77
Acreage 0.49
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Tulip tree	>30'		Full-crown	Foot traffic	Trash
Deciduous	Sweetgum	>30'		Stone wall		
Phanerophytes	Pin oak	>30'				
Undulating						
Dry/moist						

Comments

Woodland bordering wet unit. Tulip trees distinctive. Less dense understory of spicebush, arrowwood, Solomon's seal spp., and moderate vine growth along border with N-S trail. Other spp.: MACA, ONSE, CIQU, VRSP, VIDE, LIBE, PAQU, TORA, SMRO, IMBI, ACRU, SAAL, NYSY.

Unit: 78
Acreage 1.59
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	Vandalism
Deciduous	Tulip tree	>30'				
Phanerophytes	Red oak	>30'				
Slope	Spicebush	<5' & 5-30'				
Dry/moist	Arrowwood	<5' & 5-30'				

Comments

Unit slopes down towards creek and is separated by a trail. Mixed canopy of first three species above, with black cherry to the southeast and hickories to the north along creek. Understory spicebush and arrowwood. Most abundant herbaceous species include true and false Solomon's seals and white wood aster. Other spp: SACA, BETH, LIBE, VIAC, CACO, CATO, FAGR, NYSY, DIVI, ARNU, MACA, LISP, THNO, POCU, SIST, PIPU, PLRU, GRSP, POLY, LACA, CIQU, CEOR, RUSP, SMRO, VISP, TORA, POSI, PAQU, OXST, MOAL, CACA, MEVI, ACRU, FRAM, BELE, LASP, LOSP, VIPR, PHYT.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 79
Acreage 1.00
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	>30' & 5-30'			Foot traffic	Trash
Deciduous	Pin oak	>30'				
Chamaephytes	Swamp white oak	>30'				
Depression						
Wet						

Comments

Low, wet unit, some surface water, with mostly red maple canopy. Taller shrubs of arrowwood and spicebush along edges. Ground surface mostly open, moist leaf litter with skunk cabbage. Moss on trunk bases and rotting logs. Standing water with open canopy areas contain buttonbush. Other spp: NYSY, PRSE, LITU, VILA, PAQU, CEOR, TORA, BRYO, GASP, MACA, ONSE, WOAR, DEPU. Fauna: dragon flies, damsel flies, chipmunks, grackles, starling.

Unit: 80
Acreage 0.47
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Erosion
Deciduous	Sweetgum	>30'				Trash
Chamaephytes	Sassafras	5'-30'				
Slope	Tulip tree	5'-30'				
Dry/moist	Spicebush	All				

Comments

Unit slopes east toward creek and is dominated by red oak. Other three tree species above scattered throughout. Understory characterized by spicebush. Mixture of species in herbaceous layer such as Virginia creeper, Rubus, false Solomon's seal and false nettle, knotweed. MC: Trail to creek steep and eroding. Other spp.: QUAL, PRSE, FRPA, VIDE, VIAC, LIBE, POLY, ASDI, POSI, CIQU, POCU, SORU, EUMA, TORA, PAQU, SMRO, VISP, CEOR, DEPU, EURU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 81
Acreage 0.12
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American beech	>30'			Foot traffic	Trash
Deciduous	Red oak	>30'				
Phanerophytes	Red maple	>30'				
Slope	Spicebush	<5'				
Dry/moist						

Comments

American beech dominates this forest. Unit on west shore of creek and is a steep slope with very sparse understory. Other spp.: CASP, VIDE, ASDI, SMRA, IMBI, DEPU, PAQU, SMRO, POLY."

Unit: 82
Acreage 0.89
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Trash
Deciduous	Pin oak	>30'				
Lianas	Sweetgum	>30'				
Undulating	Catbrier	<5'				
Dry/moist	Sarsaparilla	<5'				

Comments

Canopy dominated by above three species with catbrier abundant in the understory. Also patches of Sarsaparilla and hay scented fern. Other spp.: QUAL, SAAL, COFL, FRAM, BELE, PRSE, AIAL, ARSP, VIDE, LIBE, VIAC, VAAN, POBI, SMRA, MACA, ASDI, OSRE, CIQU, PRTR, TORA, PAQU, VISP, CEOR, CATO, GRSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 83
Acreage 0.89
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	Trash
Deciduous	Red maple	>30'				
Lianas	Sweetgum	>30'				
Depression						
Moist						

Comments

Wet depression dominated by above species. Almost no understory except for some catbrier and occasionally other species. Other spp.: AIAL, QURU, LIBE, VIDE, VACO, OSCI, ARNU.

Unit: 84
Acreage 2.33
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Erosion
Deciduous	Black birch	>30'				Trash
Hemicryptophytes	Red maple	>30'				
Undulating	Sweetgum	>30'				
Dry/moist						

Comments

Mixed forest dominated by above species. Other common spp. include hickory spp. and white oak. Sarsaparilla, sweet pepperbush, high and lowbush blueberry, white wood aster and catbrier common in understory and herbaceous layer. MC: Sewerline construction on Hylan blvd. causes much erosion and run off into creek. Fills wp with sediment. Rats along Hylan blvd. Other spp.: SAAL, FRAM, QUPA, CACA, MOAL, LITU, NYSY, PRSE, VIDE, VIAC, VIPR, CEOC, EUMA, POBI, PRTR, OSCI, MACA, RUSP, VISP, TORA, CEOR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 85
Acreage 0.16
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Tulip tree	>30'		Full-crown		Trash
Deciduous	Sweetgum	>30'				
Lianas	Catbrier	<5' & 5-30'				
Slope						
Dry/moist						

Comments

Narrow unit along path with tulip tree and sweetgum canopy; sweetgum dominated subcanopy; catbrier dominated understory. Clumps of arrowwood present in understory. Herbaceous strip along path. Other spp.: ONSE, SMRA, VIPR, MACA, ACRU, LIBE, ASDI, ARNU, POBI, RUSP, PRSE, QUAL, QURU, LOJA, PAQU, URSP, THNO, SOCA, OXST, CEOR.

Unit: 86
Acreage 4.04
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'		Full-crown	Foot traffic	Soil pits
Deciduous	Spicebush	<5' & 5-30'		Stone wall		
Phanerophytes	Solomon's seal sp.	<5'				
Slope						
Dry/moist						

Comments

Large southwest sloping sweetgum forest with approximately 10 fullcrown tulip trees and a small patch of Sassafras along a trail edge on the northern border. Spicebush and Solomon's seal spp. common throughout; Sarsaparilla frequent uphill to the north; arrowwood common in lower areas. Other spp. ONSE, LOSP, POBI, SMRA, MACA, LISU, RUSP, SACA, PHYT, VACO, VIHI, QUPA, NTSY, BELE, THNO, ACRU, ROMU, PAQU, PRSE, VIPR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 87
Acreage 0.51
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Hemicryptophytes Slope Moist	Sweetgum Arrowwood	>30' <5' & 5-30'			Foot traffic	Trash Dumping

Comments

Low moist unit with sweetgum canopy and understory of arrowwood and some spicebush. Additional species: ACRU, LITU, PRSE, SAAL, SACA, POBI, SMRA, IMBI, POSP, LISU, SORU, THNO, ONSE, MACA, ASDI, TORA, PAQU, ROMU, VISP, RUSP, CEOR, SMRO, LOJA.

Unit: 88
Acreage 0.97
Mgmt. 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 Moist	Red maple Sweetgum	>30' & 5-30' >30'		Landfill	Foot traffic	Trash

Comments

Undulating unit with much disturbance from ditches and mounds of soil and garbage. Throughout unit, dense, young red maple and some sweetgum dominate, and vines such as Asiatic bittersweet, Virginia creeper, poison ivy, catbrier, grape sp. and blackberry in the understory. Along Cornelia, closed canopy and dense bittersweet keeps understory sparse. Mound of sand present presumably as fill. Other spp.: LITU, NYSY, PRSE, QUPA, SAAL, MOAL, LIBE, VIDE, MYPE, PYAR, VACO, EUPE, LISP, CARA, JUSP, DIVI, VIPR, RHCO, IMBI, SOSP, LUAL, CAFA, THLA, BETH.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 89
Acreage 0.21
Mgmt. 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			
Hemicryptophytes Level Dry/moist	Cool season grass	<5'				

Comments

Unit borders bus parking lot. Dominated by patches of mugwort, grasses, rushes and sedges. A few tree seedlings, but structure and composition not changing. Additional spp.: TRHY, TRPR, PLLA, PLRU, ASSP, CASP, CYSP, SMRO, ACMI, POLY, POSP, TAOF, PAQU, TORA, SACA, POSI, PRSE, ACRU, LIST, LOJA, CIIN, CIAR, AMTR, RUAC, POPR, ELAC, JUEF, AGAL, EUPE, MYPE, RHCO, MESP, ASIN, QUPA, RUCR, SCLA, CAVU.

Unit: 90
Acreage 0.54
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Full-crown	Foot traffic	Dumping
Deciduous Lianas Undulating Dry/moist	Bittersweet	<5' & 5-30'	Yes	Ditch/fill		Trash

Comments

Very disturbed area with large ditch and pile of soil. Vines dominate understory. MC: Trash and debris in 30' x 30' ditch. Other spp.: MOAL, LITU, ACPL, SAAL, LIBE, VIDE, PHYT, IMBI, ARNU, CIQU, PAQU, TORA, SMRO, CEOR, VISP, ROMU, THNO, RUSP, FRVI, QURU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 91
Acreage 1.07
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Red maple	>30'				
Hemicryptophytes	Jewelweed	<5'				
Undulating	Arrowwood	<5' & 5-30'				
Moist						

Comments

Moist, undulating forest with sweetgum and red maple canopy, and jewelweed throughout understory. Arrowwood and vines such as poison ivy, Virginia creeper, catbrier and bittersweet also common in understory. Flood gullies contain jewelweed. MC: Drainage ditch from Cornelia causes flooding. Other spp.: SAAL, QUPA, CADE, SACA, THNO, GRSP, PHYT.

Unit: 92
Acreage 1.41
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Catbrier	<5' & 5-30'		Gully		Fire
Deciduous	Sassafras	>30' & 5-30'				Trash
Lianas	Sweetgum	>30'				
Undulating	Pin oak	>30'				
Dry/moist	Red maple	>30' & 5-30'				
	Bittersweet	5-30', <5'	Yes			

Comments

Very viney unit on higher ground than surrounding land and bordered by Cornelia to east. Canopy trees growing in patches; no one species dominates. Dying and fallen trees common. Patches of open canopy promote vigorous vine growth. Asiatic bittersweet is abundant in south end. Evidence of earth moving in past. Other spp.: PAQU, ARNU, PHYT, ASDI, MACA, RHCO, QURU, QUAL, SMRA, CACO, LITU, CSG, PACL, NYSY, LOJA, VIDE, TORA, MOUN, POLY, LASP, RUSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 93
Acreage 0.31
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Gully	Foot traffic	Erosion
Deciduous	Pin oak	>30'		Dry well		Trash
Geophytes	Red maple	>30' & 5-30'				
Slope	Sassafras	>30' & 5-30'				
Dry/moist						

Comments

Dense canopy; co dominated by sweetgum and pin oak above, red maple and Sassafras below. Sparse understory of mostly wild lily-of-the valley downslope (N) and sarsaparilla upslope (S). Catbrier incidence greater to south but generally not common in unit. MC: Old brick dry well along southern border of unit. Uncovered and dangerous! Other spp: CORU, ASDI, VIDE, CACA, ACRU, VACO, SMRA, QURU, ACRU, CASP, SAAL.

Unit: 94
Acreage 0.16
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Black birch	>30'				
Phanerophytes						
Slope						
Dry/moist						

Comments

Gently sloped forest with canopy of mostly sweetgum. Common understory and groundcover species include spicebush, arrowwood, catbrier, false Solomon's seal, red maple, tulip tree and red oak saplings and wild lily-of-the-valley. Other spp: QUAL, BELE, FRAM, SAAL, PRSE, CACO, ARNU, PAQU, POBI, ASDI, PRTR, VACO, PACL, DEFL, SOSP, GRSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 95
Acreage 0.19
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'			Foot traffic	Erosion
Deciduous	White oak	>30'				
Phanerophytes						
Slope						
Dry/moist						

Comments

Canopy dominated by red and white oak, with Sassafras, American beech and black birch also present. Understory mostly 2-3' trees and shrubs with few herbaceous species. Common shrubs and saplings: red maple, red and white oak, sweetgum, black birch, and lowbush blueberry. Catbrier throughout and very dense in areas. Other spp.: MACA, POBI, SMRA, CADE, VISP, ASDI, LITU, PRTR, PAQU, ASSP.

Unit: 96
Acreage 0.58
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'		Boulder	Foot traffic	Fire
Deciduous	Bitternut hickory	>30'				
Lianas	White oak	>30'				
Slope	Sassafras	>30'				
Dry/moist	Catbrier	<5'				

Comments

Unit on slope with canopy a mixture of red and white oaks and bitternut hickory. Understory mostly dense catbrier with wild lily-of-the-valley and regenerating red maple, Sassafras and white oak seedlings underneath. Other spp.: VAAC, CHMA, VIDE, CAOV, LIST, COAM, MIRE, CADE, SOCA, PAQU, SMRA, QUPR, RHNU, PRSE, LYQU, LYSA, RUSP, VIAC, TORA, GRSP, COFL, DIVI, DEPU, PRTR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 97
Acreage 0.92
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	<5' & >30'			Foot traffic	Erosion
Deciduous	Red oak	<5' & >30'				Compaction
Geophytes	Sassafras	<5' & >30'				Auto
Slope						
Dry/moist						

Comments

North facing slope with white and red oak canopy and many denuded paths. Understory low and sometimes sparse with wild lily-of-the-valley and gall-of-the-earth common throughout. MC: Traffic, especially dirtbikes, cause erosion, compaction and disruption. Restrict access from Hylan with signs, gates, bollards, etc. Canopy is regenerating but young red maples and Sassafras are common. Young American chestnut present. Spp.: FRAM, ARNU, CACO, VIAC, CHMA, MIRE, RHNU, VAAC, UVCA, SMRO, OSCI, NYSY, ASDI, EUSE, LIBE, POSI, HYPE, DEFL, POLT, VIDE, QUPA.

Unit: 98
Acreage 0.34
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Full-crown	Foot traffic	Trash
Deciduous	Sweetgum	>30'		Gully		
Lianas	Catbrier	<5' & 5-30'				
Slope	Red maple	>30' & 5-30'				
Dry/moist						

Comments

Corner edge unit bordered by Hylan and Cornelia and distinguished by abundant catbrier. A fullcrown mutitrunked red maple is on corner surrounded by lush vine and herbaceous growth including wild yam root, mugwort, Japanese knotweed. Adjacent canopy includes bitternut hickory, black tupelo, gray birch, white oak, slippery elm & iron wood. Young mulberry, sweet and black cherry, shining sumac and Ailanthus along other edges. Spp.: THNO, ASDI, LIBE, MOUN, RUSP, PRTR, SAAL, MACA, CAO, VILA, ERAN, MEAL, COCO, VACO, LIST, PA, TORA, DACA.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 99
Acreage 0.66
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Poison ivy	<5'			Foot traffic	Road work
Deciduous	Japanese Honeysuckle	<5'	Yes			Trash
Lianas	Bittersweet	<5'	Yes			
Slope	Catbrier	<5'				
Dry/moist	Hedge bindweed	<5'				

Comments

Narrow band of low lying vines mixed with common roadside herbaceous spp. especially Japanese Knotweed, spreading dogbane, common milkweed, common evening primrose, common plantain, colt's foot, Joe-Pye weed, goldenrod and grass spp. Some shrubs/young trees (VIDE, SAAL, PRSE) present in pockets along woodland border. MC: Unit lies along Hylan where construction project contributes noise, debris and spills. Spp.: PHAU, ELVI, COCO, PLRU, BIFR, ERAN, ROMU, DACA, VISP, RHCO, DAGL, POLY, PASA, PHPR, PAQU, ASSP, VEUR, DIVI, POSC.

Unit: 100
Acreage 0.33
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Road	Vehicle access Foot traffic	
Level						
Dry/moist						

Comments

Cornelia Ave paved.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 101
Acreage 0.26
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert				Houses	Dwellings	
Level						
Dry						

Comments

Eight rented houses owned by the City.

Unit: 102
Acreage 0.79
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Silver maple	>30'		Full-crown	Foot traffic	Trash
Deciduous	Sweetgum	>30'				
Hemicryptophytes	Cool season grass	<5'	Yes			
Level						
Dry/moist						

Comments

Yards of houses. Fullcrowned silver maples most common, with mowed CSG beneath. Privet hedge and hemlock present. MC: Old batteries in backyard of NE house. Yards well-maintained. Other spp.: HOSP, RHSP, ACRU, QUPA, COFL, HEFU, BEPO, HISY, TAOF, PLRU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 103
Acreage 7.20
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Trash
Deciduous	Red maple	All			Vehicle access	Dumping
Chamaephytes					Horses	Auto
Undulating						
Dry/moist						

Comments

Extensive forest of sweetgum and red maple with understory of arrowwood, spicebush, catbrier and other vines. Unit borders Hlyan on the south and the park border to the west. MC: Trash and dumping are concerns. A wide path allows vehicle access. The steep path is eroded and lower sections are scarred by tire tracks. Understory of variable density but species dominance the same. Other spp.: PRSE, ARSP, AIAL, LITU, QUAL, QUPA, QURA, FRAM, NYSY, CASP, SAAL, COAM, LOJA, POCU, .TORA, POCU, TORA, RUPH, MACA, COCA, TRDA, VIOL, ARTR, CHGL, ARNU, LISU, HELA, IMBI, SOSP.

Unit: 104
Acreage 0.16
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'				
Deciduous						
Lianas						
Depression						
Wet						

Comments

Seasonally flooded depression with red maple and sweetgum. Understory sparse in places dominated by catbrier. Some arrowwood, gray birch, Virginia creeper, Sassafras and devil's walking stick. False Solomon seal, wild lily-of-the-valley, Japanese honeysuckle, cinnamon fern, true Solomon's seal, pin oak, cinquefoil sp.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 105
Acreage 0.18
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Wet	Sweetgum	All			Vehicle access Foot traffic Horses	Trash Erosion Dumping

Comments

Sweetgum forest with understory, which is almost totally absent due to flooding. Some dead and dying pin oaks and a few red maple also present. Some red maple and sweetgum saplings and a small arrowwood bush comprise the understory. Other spp.: cinquefoil, silky dogwood, black tupelo, (few individuals of each).

Unit: 106
Acreage 0.06
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Geophytes Slope Dry/moist	Red maple	>30'				Fire

Comments

Small area adjoining path and containing 3-5 red maples, a black tupelo and several small Sassafras. The understory is dominated by 95% hayscented fern. The rest is white wood aster, tulip tree, wild lily-of-the-valley, true Solomon's seal and black cherry.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 107
Acreage 1.00
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)	Duckweed	<5'			Vehicle access	Trash
Deciduous	Swamp loosestrife	<5'				Dumping
Hydrophytes						
Depression						
Surface water						

Comments

Pond 100% covered with duckweed with swamp loosestrife and some wet tolerant trees. Some oaks and red maple in standing water are dead while others seem to be doing well. Small amounts of buttonbush, bladderwort and sphagnum are present. Some black tupelo and sweetgum present. Cooper's hawk and wood ducks observed foraging here. Area also used by osprey in the fall.

Unit: 108
Acreage 0.67
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	5'-30'			Vehicle access	Fire
Deciduous	Black tupelo	5'-30'			Foot traffic	Trash
Geophytes						Dumping
Undulating						
Moist						

Comments

Woodland of pin oak and black tupelo bordering Acme pond. Periodic flooding promotes the growth of wet tolerant species with jewelweed dominant. MC: Paths which provide vehicle access divide the unit, and compaction and erosion are problems. Permanent puddles support frogs and wetland plants. Other spp: QUAL, ACRU, VIDE, COFL, EUMA, RUPU, SOSP, CIMA, POAR, PRTR, ASVI, ASDI, ERAN, ASSP, VICO, LYAM, HEBU, HYUI, DEVE, COCA, LASP, URSP, POCU, BASP, CSG, WSG, CASP, JUSP, POPN, EPHI, SODU, EURU, ACMI, CISP, EUPU, AMAR, PLSP, GASP, GAAP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 109
Acreage 2.27
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30' & 5-30'			Foot traffic	Trash
Deciduous	Sweetgum	>30' & 5-30'			Fishing	Erosion
Chamaephytes	Black tupelo	>30' & 5-30'			Campfire	Auto
Level	Pin oak	>30' & 5-30'				
Moist						

Comments

Lowland forest adjacent to west shore of Acme pond where understory is frequently absent due to flooding and foot traffic. Arrowwood, catbrier, silky dogwood, jewelweed common along foot path borders. Sensitive fern, tussock sedge, false nettle, Virginia bugleweed, smartweed common in wetter spots. MC: Access points to pond heavily used by fishermen; trash and erosion; auto wreck and tracks. Other spp: BEPO, PRSE, ROMU, CEPH, HIPA, SACA, LIBE, VACO, DISA, PACL, CYSE, EUAL, JUTE, POHY, VIHI, SACA, DIVI, SMPO, CUGR, POSA. Fauna: chickadees, garter snake.

Unit: 110
Acreage 0.26
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red maple	>30' & 5-30'				Trash
Deciduous	Sweetgum	>30' & 5-30'				
Geophytes						
Level						
Wet						

Comments

Drainage enters Acme Pond through this wet woodland. Mostly red maples, with some fallen trees still viable and sprouting. Unit seasonally floods and is currently wet with channels of thick mud and standing water. Understory predominantly a herbaceous layer of tussock sedge, arrow arum, sensitive fern, false loosestrife, cattail, mild water pepper, marsh St. John's wort, swamp rose mallow. Fauna: racoon, turtles, frogs, chickadees, squirrels. Other spp: THPA, BOCY, THNO, OSCI, CILA, SACA, BRYO, LESP, LYQU, PIPU, BISP, ELAC, BEPO, ROMU, CEPH, VIDE, COAM, POSA, VILA, APAM.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 111
Acreage 0.20
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Silky dogwood	<5' & 5-30'				Trash
Deciduous	Swamp rose mallow	<5' & 5-30'				
Chamaephytes Level Surface water	Arrowwood	<5' & 5-30'				

Comments

Standing water, mud flats, shrubby hummocks, and fallen tree trunks comprise the physical characteristics of this unit at southern tip of Acme (where Acme feeds into Wolfe's via culvert). Silky dogwood and red osier dogwood dominate with swamp rose mallow and create a dense tangle of vegetation. IMBI, CHGL, BOCY, VESE grow on exposed logs and hummocks while PEVI and LESP grow in standing water. Unit includes peninsula of higher ground protruding N. upon which QUPA and ACRU grow. Other spp: VIDE, EPSP, LYVI, ONSE, POLY, DEVE, LOCA.

Unit: 112
Acreage 0.12
Mgmt. 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	Bittersweet	All	Yes	Landfill Full-crown	Foot traffic	Erosion Dumping Trash

Comments

A dense vineland of Asiatic bittersweet thrives between Hylan Blvd. and S. tip of Acme Pond. The bittersweet has engulfed the red maple, sweetgum, white poplar, hackberry, black cherry, and Norway maple present. MC: Beneath this disturbed canopy is mostly bare, eroded, trashy ground sloping into Acme. Along Hylan, some common roadside spp. present including sesame grass, wild rye, dogbane, etc. Other spp: VIDE, RHCO, ARVU, LOJA, PHPR, ASSY, PAQU, COCO.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 113
Acreage 0.12
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	All			Foot traffic	Trash
Deciduous	Sweetgum	<5' & >30'			Fishing	Erosion
Chamaephytes	Arrowwood	<5' & 5-30'				
Undulating	Highbush blue	<5' & 5-30'				
Moist	Gray birch	5'-30'				
	Red maple	>30', 5-30'				

Comments

Narrow woodland upon ridges running parallel to SE shore of Acme. Flood water gullies run through unit. Arrowwood, highbush blueberry, chokeberry, young black tupelo, and Sassafras create a subcanopy and also dominate the understory. Typical aquatic vegetation (water purslane, arrow arum, swamp rose mallow, dwarf St. John's wort) present at water's edge. MC: Unit includes popular fishing spot where trash, tires, and other disturbances occur. Other spp: PAQU, SMRO, VISP, VIHI, GRSP, ASVI, SMRA, POLY, TYLA, HIPA, LACA.

Unit: 114
Acreage 2.74
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)					Fishing	Trash
Hydrophytes						Sedimentation
Depression						
Surface water						

Comments

Unit is unvegetated open water area of Acme Pond. MC: Unit popular fishing spot, but activities go unmonitored and include littering (food and bait containers, fish hooks, etc.) and removal of fish and wildlife. Occasional emergent plants grow along shore. Species include: arrow arum, duckweed, thyme-leaved speedwell, cattail, coontail, fish, turtles, kingfisher.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 115
Acreage 0.93
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Foot traffic	Auto
Deciduous	Pin oak	>30'				Fire
Lianas						
Undulating						
Moist						

Comments

Sweetgum and pin oak woodland with Rubus sp. and spicebush understory. MC: Auto dumping and burning in unit. Other spp: ARSP, VIDE, IMBI, THNO, OSCI, COCA, SACA, PAQU, TORA, DIVI, POCU, COCO, PRSE, MOAL, SAAL, ACRU, ARNU, SMRA, POLY, SMRO, QUAL, GRSP, MACA.

Unit: 116
Acreage 1.94
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	>30'				Trash
Deciduous	Sweetgum	>30'				
Chamaephytes	Arrowwood	<5' & 5-30'				
Undulating	Jewelweed	<5'				

Comments

Wet red maple woodland with arrowwood and jewelweed in understory. Puddles of standing water throughout, with skunk cabbage and tussock sedge emerging. 4 persimmon trees in unit. 2 great blue herons, blue jay, crow, chickadees, warblers, and frogs sighted here. Other spp: QUPA, SIHE, OSCI, LIVI, PIPU, BOCY, PHAU, BISP, POHY, NYSY, VIPR, DIVG,ALSE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 117
Acreage 0.18
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Catbrier	<5' & 5-30'				
Deciduous	Arrowwood	<5' & 5-30'				
Lianas						
Slope						
Moist						

Comments

Small, sloping catbrier vineland with several; regenerating sweetgum trees. Catbrier tall and dense. Other spp: LIST, QUPA, NYSY, ACRU, SAAL, LIBE, IMBI, MACA, PAQU.

Unit: 118
Acreage 3.24
Mgmt. 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			Sewage
Deciduous	Swamp rose mallow	<5' & 5-30'				
Geophytes						
Undulating						

Comments

Unit a fresh water wetland in 3 sections dominated by Phragmites, with swamp rose mallow especially abundant closer to Acme Pond. MC: Tottenville H.S. waste water runs through other units and into this one. Fauna: great blue herons, chickadees. Other spp.: POAR, POSA, COST, CAST, IMBI, COSE, PEVI, CUGR, ONSE, LYUN, SACA, BOCY, ELAC, APAN, THPA, LESP, RUMX, EPSP, VIDE, ROMU, LEOR, POSC, ACRU, BISP, LYAM, SYFO, COAM, RUCR, ALSE, STHE, POCU, SANI, SALA.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 119
Acreage 4.41
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Arrowwood	<5' & 5-30'				Sewage
Deciduous	Silky dogwood	<5' & 5-30'				Trash
Chamaephytes	Red maple	>30'				
Level	Black willow	>30'				
Wet	Phragmites	5'-30'	Yes			
	Jewelweed	5-30', <5'				

Comments

Water channels run through this wet scrubland. Species dominate in order above, with some mature black willows scattered throughout. MC: Gray water in channels smells like sewage. Fauna: dragonflies, raccoon, mallard, sparrow, etal. Other spp: BEPO, MOAL, NYSY, CEPH, SACA, PAQU, CUGR, COSE, SIAG, LUPA, ALOF, ALSP, VIOL, EUMA, POLY, ONSE, PIPU, PEVI, BRYO, SYFO, AMTR, TRCA.

Unit: 120
Acreage 2.38
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All		Drain. Ditch	Foot traffic	Fire
Deciduous	Pin oak	All		Culvert	Horses	Trash
Lianas	Red maple	All		Dull-crown		
Undulating	White oak	All				
Dry/moist	Black tupelo	All				
	Sassafras	All				

Comments

Woodland with mixed canopy of the above species; no one species dominates. Understory dominated by catbrier, although sarsaparilla, wild lily-of-the-valley, cinnamon, bracken, and hay scented ferns, goldenrod spp., and young regenerating trees are abundant. White oak canopy trees are concentrated to the S., red maples to the N. Young stands of SAAL, ACRU, BEPO, present, as well as open canopy areas, particularly near ACME pond where vine and herbaceous growth are lush. Additional Species: BRYO, IMBI, LYTE, LYVI, LYSA, CAO.V.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 121
Acreage 2.06
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	All		Drain. Ditch	Foot traffic	Fire
Deciduous	Red oak	>30		Hedgerow	Horses	Dumping
Chamaephytes						
Undulating						
Dry/Moist						

Comments

White and red oaks and red maple codominate with black tupelo, pin oak, and sweetgum also common. Understory low, mostly open and dominated by young regenerating trees and shrubs such as mapleleaf viburnum, sweet pepperbush, azalea sp., arrowwood. OSCI, THNO, ARNU, PRTR, LYQU, SMRA, and mushrooms common. MC: Dumping from sewer construction. Norway maple regeneration along regeneration along border of Hylan, with ECCR, ASSP, SOSP, TORA. Other spp: CAGL, BELE, SAAL, QUVA, LITU, BETH, VACO, TASP, RHCO, DIVI.

Unit: 122
Acreage 1.15
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All			Foot traffic	Fire
Deciduous	Sweetgum	All				Erosion
Chamaephytes						Trash
Level						
Moist						

Comments

Forest of tall red maple and sweetgum with little to understory. Evidence of fire burn and seasonal flooding present. Arrowwood, jewelweed, and wild lily-of-the-valley appear occasionally and are most common species in understory. Other spp: QUAL, NYSY, BELE, TORA, SMRO, PAQU, CEOR, VILA, VIDE, RUSP, VACO, URSP, OSCI, CAST, SPVG, CIQU, LASP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 123
Acreage 0.24
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	<5' & 5-30'				Fire
Deciduous	Gray birch	<5' & 5-30'				
Phanerophytes Level Dry/moist	Sweetgum	<5' & 5-30'				

Comments

A dense stand of young red maple, gray birch, and sweetgum shades a mostly bare understory of wild lily-of-the-valley and seedling sweetgum and red maple. Competition is severe, and numerous trees, particularly gray birch, stand dead or dying. Other spp.: EUAL, PYRA, OSCI, VACO, mushrooms. Garter snake sighted.

Unit: 124
Acreage 0.48
Mgmt. 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 Geophytes Undulating Moist	Red maple	>30'			Foot traffic	

Comments

Red maple forest with understory and herbaceous layer very bare and covered by leaf litter. Wild lily-of-the-valley scattered throughout as well as regenerating arrowwood and seedlings listed above. Drainage ditch forms S. border of unit. Fauna: downy woodpecker, warblers, black capped chickadees. Other spp: CLAL, SAAL, QUAL, QUPA, LIBE, TORA, SMRO, RUSP, PAQU, SOS, GRSP, NYSY, CEOR, SMRA, PYAR, ARNU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 125
Acreage 0.24
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'			Foot traffic	Trash
Deciduous	Sweetgum	>30'				
Hemicryptophytes	Jewelweed	<5'				
Depression						
Surface water						

Comments

Red maple forest with standing water and also very wet soil with jewelweed. Frogs sighted in water. MC: Resident of house on Cornelia allows pet pheasants and quail to wander in this unit. Other spp: ACSN, PAQU, ONS, VIDE, ALSP, GLHE, TORA, CISP, VISP, GRSP.

Unit: 126
Acreage 0.59
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Black tupelo	>30'				
Lianas	Catbrier	<5'				
Undulating						
Dry/moist						

Comments

Sweetgum and black tupelo codominate this viney forest. Unit undulates slightly. Though above three species most common, other species include: QUPA, QURU, QUAL, SAAL, FRPA, RUSP, TORA, VIDE, LIBE, PAQU, VISP, POCU, IMBI, LOJA.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 127
Acreage 0.57
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'		Full-crown	Foot traffic	Dumping
Deciduous	Sweetgum	>30'				Trash
Therophytes	Jewelweed	<5'				
Depression						
Wet						

Comments

Red maple forest in depression with jewelweed understory. Sweetgum not nearly as common as red maple. MC: Asphalt and wooden boards dumped here. Chickadees, blue jay, and cardinal sighted. Other spp: VIDE, LOJA, PAQU, CEOR, LIBE, FRPA, PIPU, ONSE, ALJU, PRSE, BOCY, AMTR, VISP, CARA, LYUN, SORA, ALSP, EURU, RUSP, TORA, SMRO, EUMA, ACME, POLY, PEVI, ASDI, BRYO, NYSY, SODU, SMRA, VIOL.

Unit: 128
Acreage 0.12
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Jewelweed	<5'		Fence	Foot traffic	
Deciduous	Clearweed	<5'		Hydrant	Sports	
Therophytes	Great weed	<5'				
Level	Smartweed	<5'				
Moist						

Comments

Cornelia Ave. extends northward past bollards and turns into a dirt path which leads toward Eyland St. Asphalt in center of unit, with 4-square painted on it. Herbaceous community growing on and around asphalt. Species listed above dominate, with red stemmed plantain, grass spp., mugwort, red clover, and late and rough stemmed goldenrod also common. Other spp: SODU, LYUN, CEOR, VISP, PAQU, ACRU, MOAL, ACNE, BISP, CYES, ASDI, BOCY, ASNO, TOAF, ASSY.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 129
Acreage 1.20
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'		Sidewalk	Foot traffic	Trash
Deciduous	Sweetgum	>30'		Culvert		
Phanerophytes	Pin oak	>30'				
Undulating	Sassafras	5'-30'				
Dry/moist	Box elder	>30'				

Comments

Mixed canopy codominated by red maple and sweetgum, with several other species throughout. In addition to trees listed above, black tupelo, white ash and white mulberry are fairly common. Two sidewalks in unit, one extends Cornelia north, the other run W-E from Luten. Understory sparse, but arrowwood, spicebush and young trees most common. Other spp.: MACA, BOCY, PIPU, PAQU, SMRO, ULRU, COAM, PYAR, VACO, FRVI, ROMU, LOJA, TORA, CEOR, BETH, SMRA, VISP, ULAM, ULRU, EUMA, EURA, POCU.

Unit: 130
Acreage 0.39
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Buttonbush	<5' & 5-30'				Septic
Deciduous	Red maple	>30'				Dumping
Phanerophytes	Swamp rose mallow	<5'				Trash
Depression						
Wet						

Comments

Very wet depression with some standing water. Buttonbush and swamp rose mallow abundant in wettest areas, with red maples mostly along the edges. Duckweed common throughout. MC: Sewer run off from Cornelia, and dumping of garbage and prunings. Fauna: bluejay, chickadees, cardinal. Cornelia resident sighted mallards, raccoons, rabbits, chipmunks, and painted, snapper and box turtles and frogs. Other spp.: PEVI, OSCI, ONSE, BISP, LUAL, MEAR, BOCY, ALSU, COAM, QUPA, LIST, ELAC, VIPE, POHY.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 131
Acreage 0.52
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'			Foot traffic	Dumping
Deciduous	Sweetgum	>30'				
Chamaephytes	Pin oak	>30'				
Depression						
Wet						

Comments

Red maple forest with wet, bare understory. Minimal understory growth includes some catbrier, arrowwood, jewelweed, highbush blueberry, false nettle, Virginia creeper and English ivy. MC: Dumping of household items. Local resident reports rabbits, raccoons, mallards, painted and box turtles, frogs and a mute swan. Other spp.: NYSY, COAM, HYVI, GRSP.

Unit: 132
Acreage 1.13
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'				
Deciduous	White oak	>30'				
Lianas	Red maple	>30'				
Undulating	Black tupelo	>30'				
Moist	White ash	>30'				
	Catbrier	5-30', <5'	Yes			

Comments

Viney forest E of Cornelia and N of Hylan. Species dominate in order above, with catbrier especially dense along Cornelia, and red maple more abundant to the E. In addition to catbrier; arrowwood, sarsaparilla, Japanese honeysuckle and wild lily-of-the-valley are common in understory. Narrow edge effect with slightly different herbaceous composition. Other spp.: ACNE, FAGR, AFAL, LIBE, ARVU, BETH, VACO, SMRA, OSCI, PRTR, SORA, POQU, RUSP, PRSE, RHCO, PLPU, ULRU, HEFU, AMTR, MOAL, POLY, CYES.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 133
Acreage 1.26
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'		Sidewalk	Foot traffic	Trash
Deciduous	Sweetgum	>30'				
Lianas	Pin oak	>30'				
Depression	Black tupelo	>30'				
Moist	Catbrier	<5' & 5-30'				

Comments

Viney forest W of Luten and N of Hylan, dominated by above spp. Wildlife include downy woodpecker and catbird. Other spp.: QUAL, QUBI, CASP, PRSE, PAQU, TORA, RUSP, DIVI, CEOR, VIDE, CLAL, VACO, MACA, ARVU, PRVI, MESP, IMBI, OSCI, SORU, SMRA, EUMA, RHCO, LOJA, ROPS, GRSP.

Unit: 134
Acreage 0.46
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Buttonbush	<5'				Trash
Deciduous	Red maple	>30'				
Phanerophytes	Black tupelo	<5' & >30'				
Depression	Sweetgum	>30'				
Surface water	Swamp loosestrife	<5'				
	Swamp rose mallow	<5'				

Comments

Depression holds standing water with buttonbush, swamp loose strife, swamp rose mallow and duckweed growing throughout. Trees listed above grow toward outer perimeter of pond. Other spp.: QUPA, COOB, PAQU, TORA, VIDE, VACO, CLAL, IMBI, OSCI, ONSE, HYVI, MESP, OSRE, LUDW, ELAC, GRSP, BRYP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 135
Acreage 1.07
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	White oak	>30'				Dumping
Lianas	Pin oak	>30'				
Slope	Red maple	>30'				
Dry/moist	Catbrier	<5'				

Comments

Viney forest along Luten. Narrow strip along sidewalk mowed. MC: A lot of trash and some concrete slabs present. Fauna: muskrat, robin, red winged blackbird. Other spp.: VIDE, RHCO, ACRU, COAM, ACNE, PRSE, ROPS, SAAL, FRPA, ARVU, TRDA, PHAU, TORA, RUSP, PAQU, LOJA, CEOR, DESP, APSP, ERAN, PTAQ, EQAR, MOAL, FAGR, PODE, ARNU, FRVI, TRPR, PLRU, CIIN, DACA, ACMI, CYES, RUCR, TAOF, IMBI, ASNO, MACA, DIVI, GLHE, OXST.

Unit: 136
Acreage 0.18
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh) Deciduous Phanerophytes Depression Surface water				Sidewalk		Trash

Comments

Static surface water and flats of thick mud. Unit mostly open and free of vegetation except for 5 red maples with submerged bases, arrowwood on mucky peninsula, and jewelweed and mosses on fallen logs. Swamp loosestrife, mild water pepper and buttonbush present in small patches which can be expected to and saturated soils. Other spp.: SANI, VACO, PIPU, QURU. Fauna: mallards, muskrats, water skimmers, darners, woodduck.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 137
Acreage 0.43
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Arrowwood	<5' & 5-30'				Trash
Deciduous	Red maple	>30'				
Phanerophytes	Pin oak	>30'				
Level						
Wet						

Comments

Wet thicket of mostly arrowwood with approximately 12 large trees present in the northern end of unit. Surface occasionally floods and in some spots the mud is 2' deep. A narrow channel of slowly flowing surface water winds along the west edge of unit. Buttonbush present in southern end with surface water. Other spp.: IMBI, ALSE, SACA, SODU, ULSP, PIPU, SACA, POLY, VISP, BRYO. Fauna: mallards, muskrat, and raccoon.

Unit: 138
Acreage 0.45
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	<5' & >30'		Culvert	Sewer drain	Trash
Deciduous	Black tupelo	<5' & >30'				Dumping
Chamaephytes	Jewelweed	<5'				
Level	Arrowwood	<5' & 5-30'				
Wet						

Comments

Wet woods of mostly red maple canopy with an understory of mostly arrowwood and jewelweed. MC: Large municipal sewer water culvert from beneath Luten Ave. empties into unit creating numerous narrow channels of grey, foul smelling, trash laden water which runs south. Also, garbage deposits large along Luten border. Large pin oaks and slippery elm present, the latter a common regenerating species in the understory. Along Luten border unit slopes and an edge effect on spp. is present. MAOL, FRAM, PAQU, CUGR, POLY, ONSE, OSRE, SYFO, LIST, LITU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 139
Acreage 2.80
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Full-crown	Foot traffic	Fire
Deciduous	Blackgum	>30'		Culvert	Horses	Trash
Chamaephytes Level Dry/moist	Red maple	>30'				

Comments

Forest with the above canopy species plus younger slippery elm and green ash. Understory mostly spicebush, arrowwood and regenerating trees with an herbaceous layer rich with white snake root, false and true Solomon's seal, sarsaparilla, Virginia bugleweed, tall meadow rue, wood reed grass, hayscented fern, white wood aster, Virginia creeper, jewelweed, mushrooms and seedlings trees. Two major N-S foot paths, a culvert and drainage ditches present. Other spp.: POLY, EUMA, ASDI, SACA, COCO, CASP

Unit: 140
Acreage 1.01
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All		Sidewalk	Foot traffic	Sewer
Deciduous				Drain. Ditch	Horses	Trash
Therophytes				Full-crown		Fire
Undulating Wet						

Comments

Low, wet forest with mostly red maple canopy. Pin oak, sweetgum, green ash and black tupelo also present. Three very large fullcrown slippery elm in unit as well as some very large red maple and sweetgum. Understory patchy with jewelweed and false nettle dominating. Wet, unvegetated ground; standing water and drainage ditches present. MC: Septic runoff suspected. Brown algae, brown foam, and foul odor present. Other spp.: CAO, VIDE, COAM, COOB, LIBE, CEOR, PAQU, TORA, OJA, SMRO, LYVI, SACA, CHGL, CILA, POHY, VIHI, MACA, BRYO, ONSE, DEPU, SMRA.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 141
Acreage 0.82
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'		Culvert	Foot traffic	Trash
Deciduous	Bitternut hickory	>30'				
Lianas	Black tupelo	>30'				
Undulating	Sweetgum	>30'				
Dry/moist	Catbrier	<5'				

Comments

Red maple forest with catbrier understory. Bitternut hickory, black tupelo and sweetgum also common in canopy. Other common understory and herbaceous species include arrowwood, Rubus and sarsaparilla. MC: Culvert runs through unit and smells like sewage. Other spp.: CAGL, QUPA, QURU, TORA, PAQU, MACA, CEOR, CEPH, VIPR, VACO, LIBE, IMBI, BOCY, POBI, SMRA, PIPU, VIOL, FRPA, THNO, OSCI, SAAL."

Unit: 142
Acreage 1.25
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black tupelo	>30'			Foot traffic	Fire
Deciduous	Bitternut hickory	>30'				Defecation
Phanerophytes	Sweetgum	>30'				Auto
Slope	Pin oak	>30'				
Dry/moist	Pignut hickory	>30'				

Comments

Mixed forest of above spp. in almost equal abundance. Understory sparsely covered with regenerating trees and some arrowwood and spicebush. Wild lily-of-the-valley throughout herbaceous layer. In the N, mounds of soil from bulldozing present. Other spp.: SMRA, POBI, PTAQ, LYQU, MEVI, PRSE, BOCY, PRTR, ARNU, PYAR, VAAC, CLAL, ASDI, CAO, SMRO, LOSP, RUSP, DEPU, OSCI, SOGI, SORU, LISU, CEOR, VISP, TORA, COFL, FRPA, BELE, BEPO, EUMA, CATA, IMBI, ASNB, PIPU, POLY, ARVU, QURU, TAO, GRSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 143
Acreage 0.69
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30' & 5-30'		Sidewalk	Foot traffic	Fire
Deciduous	Sassafras	All		Can midden		Dumping
Lianas	Pin oak	>30'		Landfill		Trash
Undulating	Catbrier	<5' & 5-30'				
Dry/moist	Shining sumac	All				
	Red maple	>30', 5-30'				

Comments

Woodland with dense catbrier understory and evidence of extensive fire burn. Older canopy trees separated by either tall stands of slender young Sassafras, shining sumac or sweetgum or low patches where arrowwood, shining sumac and catbrier thrive. MC: Unit near Tottenville H.S., where teenage activities (eg: fires, trash...) result in disturbance. Other spp.: BEPO, LITU, PODE, MOAL, NYSY, QUAL, PRSE, QUVE, VIDE, LIBE, RUSP, VACO, ASDI, ARVU, ASSP, LISU, POCU, VIHI, DEPU, BRYO, EQAR.

Unit: 144
Acreage 1.39
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Sidewalk	Foot traffic	Fire
Deciduous	Red maple	>30' & 5-30'		Full-crown	Campfire	Erosion
Hemicryptophytes	Pin oak	>30'		Landfill	Horses	Auto
Undulating						
Dry/moist						

Comments

MC: Forest with low to no understory due primarily to fire burns, foot traffic, vehicular disturbance and flooding. Understory, when present, consists primarily of Rubus, jewelweed, poison ivy, Japanese honeysuckle, NY fern, hayscented fern, enchanter's nightshade, clearweed, Virginia creeper, grasses and smartweed. Some standing and fallen dead trees (fire burned) common and potentially good habitat for wildlife. Proximity to high school, however, makes unit very disturbed. Other spp.: SOSp, BISP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 145
Acreage 0.41
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Dumping
Deciduous	Black tupelo	All				Trash
Phanerophytes	Pin oak	>30'				
Undulating						
Dry/moist						

Comments

Narrow forest unit of mixed deciduous trees (sweetgum dominates by small margin) with an understory evenly mixed with young trees, arrowwood, cinnamon and New York ferns and geophytes such as sarsaparilla and wild lily-of-the-valley. Few catbrier vines are present but their dominance in an adjacent unit may threaten the understory of this unit. MC: Trash dumped in unit from Luten Ave. Catbrier encroachment is a threat. Other spp.: QUAL, QURU, FRPA, FAGR, SAAL, ULRU, LITU, ACRU, PRSE, TORA, SMRA, LISU.

Unit: 146
Acreage 0.09
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass	<5'			Foot traffic	Trash
	Red clover	<5'				
Hemicryptophytes	Red-stem. plantain	<5'				
Level						
Dry/moist						

Comments

Mowed lawn wrapping around corner of Eylandt and Luten Ave. Above spp. dominate. Along border with woods, smooth aster, common goldenrod, rough stemmed goldenrod, small white aster, chicory, dogbane, ragweed, white boneset, nutsedge, Queen Anne's lace, panicked tick trefoil, violet bush clover, pearly everlasting, and bayberry are present.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 147
Acreage 1.65
Mgmt. 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	Exotic	Foot traffic	Trash
	Grass spp.	<5'		Landfill		
Hemicryptophytes Level Dry/moist	Goldenrod	<5'				

Comments

Herbaceous unit (in 2 sections) across from Tottenville H.S along Eylandt and Chisholm and including Adopt-a-Park site. Some other common species include small white aster, red and sweet clover, path rush, dogbane and red stemmed plantain. MC: A lot of trash, probably from high school. Other spp.: CYES, JUEF, ASSY, ERPA, POCU, PHAU, SOGI, COOB, PODE, PYAR, MYPE, VIDE, LOJA, RUSP, FRVI, TORA, COSE, CIQU, CEJA, TRHY, SAOF, APAM, PLOC, ASLA, LUAL, ECCR, POPR, TAOF, POPC, QUPA, BEPO.

Unit: 148
Acreage 0.57
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Phanerophytes Depression Wet	Black willow	<5' & 5-30'		Landfill		Trash Dumping

Comments

Wet area often holds standing water and is covered by duckweed throughout. Black and autumn willow common as well as cattails and soft rush. MC: Dumping of concrete slabs, furniture. Unit connects to highly polluted waste water from high school. Other spp.: SABA, CORA, PODE, CYES, IMBI, PHAU, SORA, ARVU, EUPE, APSP, JUSP, ALSU, BISP, GEPU, GRSP, EUPH, LYSP, MESP, PLRU, PASA, ASIN, EQAR, RHCO, OEBI, TORA, MOAL, CEJA, LIST, ONSE, BOCY, PAQU, VIPE, EPCO.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 149
Acreage 0.24
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	5'-30'				Erosion
Deciduous	Black birch	5'-30'				Auto
Phanerophytes	Gray birch	5'-30'				Fire
Slope	Sweetgum	5'-30'				
Dry/moist	Sassafras	5'-30'				

Comments

Mixed, young forest on slope. MC: Much disturbance from mounds of soil, probably from digging channel. In addition to tree spp. listed above, black tupelo, black and sweet cherry; pin, red and white oak; red paniced dogwood present. Arrowwood and spicebush common in understory. Sarsaparilla and Virginia creeper in herbaceous layer. Other spp.: CLAL, SMRO, VACO, RUSP, GLHE, MACA, IMBI, DEPU, SORU, SMRA.

Unit: 150
Acreage 1.27
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	<5' & >30'		Full-crown	Foot traffic	Auto
Deciduous	Red oak	<5' & >30'				Fire
Phanerophytes	American beech	All				Dumping
Slope						
Dry/moist						

Comments

Mixed canopy woodland with above spp. dominating canopy. Other canopy and subcanopy trees that are common include black tupelo, pin oak, sweetgum, red maple, and hickory sp. Understory is low and sparse but young regenerating trees dominate. Patches of fern (New York, hay scented), grasses, mapleleaf viburnum, false Solomon's seal, and white wood aster common. MC: Burnt auto wrecks and fencing dumped. Proximity to Tottenville H.S. and absence of bollards render unit vulnerable to disturbance. Other spp.: BEPO, CADE, CAO, FRAM, SAAL, RHNU, VAAC, CIQU

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 151
Acreage 0.13
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Foot traffic	Trash
Deciduous	Red maple	>30'				
Hemicryptophytes	Buttonbush	<5'				
Depression	Polygonum sp.	<5'				
Wet						

Comments

Forest with open understory which gets flooded seasonally. Though Polygonum sp. is most abundant ground cover, much ground is not vegetated. Other spp.: CLAL, GRSP, ALSU, ACRU, VIDE, LIBE.

Unit: 152
Acreage 0.26
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black tupelo	>30'			Foot traffic	Trash
Deciduous	Sweetgum	>30'				Fire
Phanerophytes	Red maple	>30'				
Depression	Pin oak	>30'				
Moist	Arrowwood	<5'				

Comments

Moist depression which floods occasionally. Unit is dominated by above spp., with regeneration of red maple. MC: Trash, especially beer and soda bottles, common. Other spp.: QURU, BELE, CEPH, LIBE, CLAL, ALSU, JUEF, GRSP, BISP, HYVI, OSCI, DIPU, ARVU, BOCY, ASDI, SMRA, MACA, SMRO, IMBI, ASVI, POSP, MEVI, LYSP, SORA, SCRU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 153
Acreage 0.43
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Aquatic (fresh)						Trash
Hydrophytes Depression Surface water						

Comments

Small pond along Eylandt. Polygonum throughout, but not enough to form an aquatic community. Very shallow and muddy water, with some water plantain. Sweetgum trees in standing water, and buttonbush along edge. Several standing dead trees and stumps including white oak. MC: Great wildlife site disturbed by proximity to Tottenville High. Frogs, turtles, kingfisher, green heron sighted.

Unit: 154
Acreage 6.46
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30' & 5-30'		Food chan.	Foot traffic	Trash
Deciduous	Red maple	>30' & 5-30'		Full-crown	Horses	Auto
Chamaephytes Undulating Dry/moist	Pin oak	>30' & 5-30'				

Comments

Sweetgum forest with many large, mature sweetgum in canopy as well as red maple and pin oak. Understory mostly spicebush with ferns (cinnamon, New York, hay scented), white wood aster, Rubus, wild lily-of-the-valley and sapling trees including hickory and ash. Unit include narrow "tail" of large sweetgum woodland extending along wet maple woodland. Understory in this section includes more lush herbaceous layer of ferns, Rubus, smartweed, spicebush and grasses. Other spp.: POCU, MIRE, ARNU, PHYT, MESP, EUPE, COCA, DIVI, LOJA, CATO, QUAL.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 155
Acreage 6.47
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	All	Yes	Landfill	Foot traffic	Auto
Deciduous	White oak	All			Vehicle access	Dumping
Phanerophytes					Horses	Trash
Undulating						
Dry/moist						

Comments

Large red and white oak woodland including many walking paths. Understory is almost an even mix young trees of Sassafras, oaks, hickories and sweetgum; hay scented fern and mapleleaf viburnum. Patches of lowbush blueberry and catbrier especially in openings where fire burns evident. MC: Autos dumped, fire, vehicle access with faulty bollards. Other spp.: RUSP, WSG, CHMA, MOUN, FAGR, SOSOP, JUTE, ACRU, NYSE, BELE, LIST, DIVI, BRYO, CADE, SMRA.

Unit: 156
Acreage 0.74
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All				Trash
Deciduous	Red maple	All				Dumping
Chamaephytes						
Level						
Wet						

Comments

Slightly depressed wet edge along the NE border of the park. Unit becomes seasonally flooded and is surrounded by a drainage ditch. Trees vary in height, and understory dominated by arrowwood. There is a fairly large opening with a willow snag and covered with jewelweed. Some trash and dumping along borders. Other spp.: ULAM, QUPA, SAAL, ACSN, VISP, CONV, LIBE, ROMU, TORA, SMRA, DEPU, POTS, ALSP, ONSE, SACA, ASSP, ARTR, PAQU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 157
Acreage 1.92
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Phanerophytes Undulating Moist	Sweetgum Pin oak	All >30' & 5-30'			Foot traffic Hangout Vehicle access	Trash Fire Compaction

Comments

Large sweetgum/pin oak woodland bordering the railroad and extending across the main path to the high school. Understory is dominated by sweetgum, and black tupelo sprouting after fire burns. Some openings are used as hangout spots with light dumping and trash. Other spp.: CASP, RHCO, ACRU, QUSP, SOSP, SAAL, WSG, JUTE, DEPU, ARNU, PRSE, DIVI, RUSP.

Unit: 158
Acreage 0.13
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Phanerophytes Level Dry/moist	Red oak Red maple Catbrier	All <5' & 5-30' <5'		Fence		Erosion Dumping Trash

Comments

Edge area near SI Railroad tracks. Mostly young trees with catbrier and other species. Some dumping and erosion towards railroad tracks. Other spp.: SMRO, RUSP, VAAC, CILA, PASP, CSG, JUEF, LYQU, EURU, ARNU, POSI, EUAL, SOSC, SOSP, EUMA, ANMA, LECH, ASPI, ASVI, ASNO, ASSP, SAAL, LITU, SASP, NYSY, QUAL, PRSE, AIAL, PODE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 159
Acreage 4.05
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	All			Foot traffic	Trash
Deciduous	Red oak	All			Vehicle access	Erosion
Chamaephytes					Horses	Fire
Undulating						
Dry/moist						

Comments

Woodland dominated by white oaks, with some red oaks and other hardwoods. Understory is variable but contains almost equal amounts of shrubs and young trees. There are few wet spots near old paths which contain wet loving plants. MC: Several wide eroded paths between high school and Sequine with trash and old car parts. Vehicle access. Past fires. Other spp.: CASP, CADE, LIST, ACRU, SAAL, PAUL, NYSY, BEPO, PRSE, FAGR, VIAC, VAAC, VACO, RUSP, SMRO, RHCO, POCU, RHSP, CLAL, EURU, JUEF, CILA, PTAQ, THNO, OSCI, EUAL, SOSP, MACA, ASSP, MOUN, SMRA, UVCA, LASP.

Unit: 160
Acreage 0.12
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Sassafras	<5'			Foot traffic	Fire
Deciduous	White oak	<5'			Hangout	Trash
Phanerophytes						Dumping
Level						
Dry/moist						

Comments

Small clearing of Sassafras and white oak sprouts strongly influenced by past fire. Area is predominantly devoid of vegetation. The structure and composition may revert back to woodland if fire and trampling is controlled. A large fallen tree in the center of the unit is used as a hangout with some trash. Other spp.: VAAC, CASP, NYSY, SOSP, LIST, BRYO, WSG.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 161
Acreage 1.17
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All		Culvert	Vehicle access	Trash
Deciduous	Red maple	All		Trash pit		Auto
Chamaephytes						Fire
Level						
Wet						

Comments

Large swamp woodland dominated by sweetgum and red maple, with a diverse understory of wetland shrubs. Some areas remain in standing water through most of the year and are relatively devoid of understory vegetation. Natural and/or man made drainage channels with densely growing shrubs. MC: Some evidence of car dumping and old fires, trash, and dirt biking. Other spp.: QUBI, QURU, QUAL, FAGR, NYSY, BELE, SAAL, PAUL, PRSE, QUPA, OSRE, OSCI, THNO, WOAR, ONSE, PTAQ, CACA, CLAL, sphagnum moss, CEPH, VACO.

Unit: 162
Acreage 1.22
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	<5' & >30'		Full-crown	Foot traffic	Fire
Deciduous	Red oak	<5' & >30'			Vehicle access	Auto
Phanerophytes	Black birch	<5' & >30'			Horses	
Level						
Dry/moist						

Comments

Small unit with approximately six large black oak in canopy with young red oak, black birch, red maple, sweetgum, and white oak. Understory sparse and low and dominated narrowly by young sapling trees including black birch, Sassafras, hickory sp., sweetgum, red maple, white, black, and red oaks. Catbrier and shrubs (blueberry, azalea, witch hazel, sweet pepperbush) also common. MC: Unit encircled by wide muddy trail with vehicle tracks. Fire burns. Other spp: CHMA, ARNU, LEOR CSG, SMRA, DEPU, SM

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 163
Acreage 0.51
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	All			Vehicle access	Fire
Deciduous	Red oak	All			Foot traffic	Auto
Phanerophytes	Sassafras	<5' & 5-30'				Erosion
Undulating						
Dry/moist						

Comments

Oak dominated woodland with understory of regenerating trees. Area was probably burned 5 years ago. White oak, red oak, Sassafras, hickory saplings/sprouts dominate. The bodies of wrecked cars nearby may be source of fires. Several wide paths in the area are eroding. Area slopes to wet depression. Other spp: LIST, NYSY, ACRU, BEPO, BELE, SMRO, LOJA, SOSP, ASSP, CRSA, EUHY, UVCA, POLT, SMRA, RHSP, VAAC, CLAL, LASP, CADE, EPVI, DEPU, PASP, CSG, WSG, BRYO, CHMA, mushrooms.

Unit: 164
Acreage 1.04
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red oak	All			Foot traffic	Fire
Deciduous	White oak	<5'			Vehicle access	Erosion
Chamaephytes	Sweetgum	<5'			Campfire	Auto
Undulating	Catbrier	<5'				
Dry/moist						

Comments

Scrub area probably the result of forest fire approximately 5 yrs. ago. Several tall oaks, sweetgum, and hickory with regenerating oaks, hickory, sweetgum, and pioneer species like Sassafras, Eastern cottonwood, and bigtooth aspen. The small trees in the understory are intermixed with catbrier, Rubus, and shining sumac. Unit is divided by double area. Erosion along paths, auto dumping, and old campfires. Other spp.: VISP, TORA, LECH, EUHY, EUAL, ASPI, ASVI, SMRA, GEPU, GLHE, VIOL, DEPU, CRSA, CATA, POSI, PASP, JUTE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 165
Acreage 0.26
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30' & 5-30'				Fire
Deciduous	Sweetgum	5'-30'				Dumping
Lianas						
Level						
Dry/moist						

Comments

Transitional area between open burned area and sweetgum forest. Understory mostly catbrier with patches of hayscented fern and taller shrubs including blackhaw and arrowwood. There is some old dumping and evidence of past fires. Other spp: RUSP, SMRA, SAAL, UVCA, MACA, ARNU, QUPA, BEPO, PRSE, TORA, POSI, LOJA, OSCI, WISP.

Unit: 166
Acreage 0.16
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30' & 5-30'			Foot traffic	Auto
Deciduous	Sweetgum	>30'			Vehicle access	Trash
Geophytes	Black tupelo	>30' & 5-30'			Horses	Compaction
Level						
Moist						

Comments

Forest with above canopy trees and moist soil conditions. Understory mostly herbaceous and dominated by rice cut grass, horehound, smartweed, lady's thumb, Panicum sp., and ferns (cinnamon, sensitive, royal). MC: Muddy/grass covered trail with deep vehicle tracks run through unit. Other species: LACA, LIBE, VIDE, EURU, EUMA, CYPE, SMRO, ASDI, ARTR, JUEF, JUTE, ASSP, SACA.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 167
Acreage 0.18
Mgmt. 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	>30' & 5-30'			Vehicle access	Auto
Deciduous	Pin oak	>30'			Foot traffic	Fire
Geophytes					Horses	Trash
Level						
Dry/moist						

Comments

Forest unit with understory broken by many wide denuded paths. MC: Motor vehicle tracks, burned out auto, and fire burn all present in unit. Unit includes drag racing loop upon hill top. Understory patches mostly herbaceous and includes the following species: PLMA, UVCA, ASDI, SMRA, POLT, JUTE, MACA, SIST, POLY, SOS, GLHE, SMRO, RUSP, QUAL, BISP, ARVU, VIPR, TORA, POSI, PRSE, LUQU.

Unit: 168
Acreage 1.84
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Full-crown	Foot traffic	Erosion
Deciduous	Sweetgum	>30'				Auto
Geophytes	Red oak	>30'				Fire
Slope	White oak	>30'				
Dry/moist						

Comments

An oak and sweetgum woodland on a slope which includes eroded trails above and below the slope. Hayscented fern dominates understory with white wood aster also common. MC: Trails and slope eroded from ATVs autos, and foot traffic. Other spp: CACO, CATO, QUVE, QUBI, ARNU, POBI, SMRA, OSCI, LIBE, ARSP, NYSY, SMRO, IMBI, COCA, TORA, VIS, ASNB, COFL, POCU, EUMA, ARVU, POLY, VIPR, RUSP, CEOR, SORU, ASSP, GRSP, LASP, BRYO, PRSE, ACRU, EURU, ROMU, PAQU, BELE, SIST, FAGR.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 169
Acreage 6.73
Mgmt. 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 Chamaephytes Undulating Dry/moist	Sweetgum	All			Foot traffic Vehicle access Horses	Auto Fire Trash

Comments

Almost exclusively sweetgum forest with patches of Sassafras along edges and arrowwood/spicebush understory that varies in height. Patches of wild sarsaparilla, bracken and hayscented ferns. Herbs/forbs such as goldenrod, enchanter's nightshade, true and false Solomon's seal, pokeweed, whorled loosestrife present as well as some sparse catbrier, poison ivy, and Rubus sp. MC: Vehicle tracks, abandoned cars, and fire burns present. Other spp.: THNO, OSCI, ARTR, EURU, SACA, ACRU, PTAQ, LISU, APAM, ARNU, CHMA, DIVI, VIPR, LEOR, LIBE, BETH, UVCA, ARSP, PAQU, SOSP.

Unit: 170
Acreage 2.52
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Chamaephytes Undulating Moist	Red maple Pin oak Black tupelo	>30' & 5-30' >30' & 5-30' >30' & 5-30'		Sidewalk	Foot traffic	Dumping Trash Drain.dit.

Comments

Woodland bordering wetland units. Low area subject to seasonal flooding. Understory low and patchy, mostly arrowwood and spicebush with some young trees and large patches of ferns. Other species: CASP, FAGR, LIST, SAAL, ALDR, BEPO, QUAL, QURU, MOAL, TACU, ILCR, PIAL, CATO, OSCI, ONSE, OSRE, WOAR, VACO, CSG, LOJA, POSI, TORA, PAQU, IMBI, SACA, SORU, SOSP, MACA, POLT, SMRA, UVCA, ASSP, ASDI, LYAM, VIOL.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 171
Acreage 0.18
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Gray birch	>30' & 5-30'		Sidewalk		Trash
Deciduous	Sweetgum	>30' & 5-30'		Road		Dumping
Chamaephytes	Black tupelo	>30' & 5-30'		Landfill		
Undulating	Red maple	>30' & 5-30'				
Dry/moist						

Comments

Young trees bordering wetland and meadow. Sidewalks and fill dumping/excavation. Understory mostly highbush blueberry, arrowwood, catbrier. Other spp.: MACA, JUVI, IMBI, RUSP, CSG.

Unit: 172
Acreage 0.09
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Rice cut grass	<5'		Culvert		Drain.dit
Deciduous				Road		Trash
Therophytes						
Level						
Wet						

Comments

Small bog-like wetland dominated by rice cut grass, switch grass, with sphagnum moss, highbush, blueberry, steeple bush, and other plants associated with bogs. Sidewalks and drainage channels probably keep the area wet by blocking water flow. Other spp.: BEPO, LYAM, HYVI, ELAC, ACRU, LIST, BISP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 173
Acreage 1.92
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'		Exotics		Fire
Deciduous	Red maple	All		Ditch		
Chamaephytes	Sassafras	All				
Undulating	Sweetgum	<5' & >30'				
Dry/moist	Black cherry	<5' & >30'				

Comments

Forest with the above canopy trees and a tall understory of arrowwood and blackhaw with young black cherry, Sassafras, spicebush. Other spp: MACA, ARNU, TORA, POTS, ARSP, PAQU, ASSP, DIVI, SMRA, POBI, VIPR, RHCO, CATA, SMRO, POCU, EUSP, AIAL, MATR.

Unit: 174
Acreage 0.33
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'				Fire
Deciduous	Red maple	<5' & 5-30'				
Phanerophytes	Sassafras	<5' & 5-30'				
Level						
Dry/moist						

Comments

Thicket dominated by young trees (under 15') with a few mature red oak in the canopy. The area shows evidence of having been burned within the past 10 yrs. Several garden escapees especially Wisteria, appear in the understory. Other spp: LIST, QUAL, CASP, PRSE, NYSY, MATR, COFL, QUPA, SMRA, POBI, HOSP, LISP, ASSP, SOSP, EUSP, THNO, ASDI, MACA, LISP, WISP, PULO, RUSP, TORA, PAQU, SMRO, LOJA, HEHE, VIPR, VIDE.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 175
Acreage 4.60
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	All		Landfill	Vehicle access	Auto
Deciduous	Red oak	All			Foot traffic	Dumping
Geophytes					Horses	Fire
Undulating						
Dry/moist						

Comments

Large oak woodland with many wide eroded paths. Understory is a combination of hayscented and bracken fern mixed with regenerating trees and wild sarsaparilla. MC: Too many paths; vehicle access; abandoned vehicles and dumping; fires frequent and of concern to oaks and regenerating trees.

Unit: 176
Acreage 0.31
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Kudzu	All	Yes	Foundation		Exotics
Deciduous				Exotics		
Lianas						
Undulating						
Dry/moist						

Comments

Old foundation with dead trees covered with kudzu and other vines. Some jewelweed and ferns also part of ground cover. Other spp: MOAL, PAQU, WISP, LOJA, CEOR, PODE, BASP, RHCO, AMBE, ALAI, POCU, VIOL, ACRU, HOSP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 177
Acreage 0.38
Mgmt. 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 Undulating Moist	Red maple	>30' & 5-30'		Exotics Foundation Drain.dit	Foot traffic Vehicle access	Dumping

Comments

Maple forest in disturbed area near road. Evidence of foundation drainage channels and the many exotic species characterizing this unit. During wet season, channels and lumpy topography from past dumping of fill and construction cause this area to remain moist. The dominant red maples, sweetgum, umbrella magnolia, and profusion of vines (English ivy, periwinkle, pachysandra) are characteristic. Other spp: HOSP, BASP, LIVU, HEFU, LOJA, POCU, WISP, ALOF,ALSP, ROMU, BETH, PHLX, RUSP, POTS, TORA.

Unit: 178
Acreage 0.18
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Chamaephytes Depression Moist	Red maple Sweetgum	All All		Landfill Culvert		Dumping Erosion Digging

Comments

Seasonally flooded depression dominated by red maple, sweetgum, with some swamp white oak and other trees. Understory varied, sparse in areas that remain wet the longest. An old dump is in this unit and the ground is disturbed by people digging for bottles. Some trash, auto parts in unit as well. Other spp.: QUPA, NYSY, LITU, FAGR, PRSE, DEPU, THNO, BRYO, CLAL, VIAC, VIDE, LOJA, TORA, APAM, PAQU, DIVI, EUSP, LYAM, UVCA, SOSP, ASVI, ASSP,PASP.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 179
Acreage 0.21
Mgmt. No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Shining sumac	<5' & 5-30'		Full-crown		Fire
Deciduous	Pokeweed	<5' & 5-30'				Dumping
Hemicryptophytes	Japanese knotweed	<5' & 5-30'	Yes			
Slope	Sassafras	<5' & 5-30'				
Dry/moist						

Comments

Fire affected area with one dead red maple (full crown) and a few young sweetgum and red maple. Area mostly covered by dense stand of pokeberry, wild lettuce, and Japanese knotweed. Some saplings of red maple, sweetgum, and Ailanthus regenerating. Other spp.: EUSP, ARSP, TORA, LITU, LIST, SAAL, ACRU, FRSP, RUSP, SMRO, LOJA, WISP, EVAL, OSCI, SOSP, RHCO, POLY, ASDI, ARVU, CHAL, LASP, ASPI, COCO, MOAL, EURU.

Unit: 180
Acreage 0.44
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	>30' & 5-30'		Foundation	Vehicle access	Fire
Deciduous				Full-crown	Foot traffic	Dumping
Lianas					Horses	Auto
Slope						
Dry/moist						

Comments

Fire affected area near park entrance at Florence PL. Mostly red maple with several large tulip trees and some ashes and sweetgum. Understory mix of vines and younger trees/shrubs. Vines mostly poison ivy and catbrier. There are many dead trees in the unit (result of fire) A full-crowned oak, tulip tree, and red maple indicated past use. Other spp: COFL, VIDE, RHCO, POCU, PHYT, ARSP, SMRO, TORA, LOJA, PAQU, RUSP, EUSP, SMRA, COCO, CIQU.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 181
Acreage 0.19
Mgmt. 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 Undulating Dry/moist	Red maple	>30' & 5-30'			Vehicle access Horses Foot traffic	

Comments

Area of red maple and other trees near Florence PL. entrance. Understory dominated by hayscented fern. Unit bordered by path which provides vehicle access which may affect this unit. Other spp: FRSP, QUAL, PRSE, AIAL, SMRO, TORA, LOJA, RUSP, EUSP, SOGR, SOSP, ARVU, ASNO, ASVI, LASP, DISA, VIDE, SACA, SAAL.

Unit: 182
Acreage 0.52
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Phanerophytes Level Dry/moist	White ash Sassafras Red oak	>30' & 5-30' All All			Vehicle access Foot traffic	Dumping

Comments

Disturbed area near Park border with SIRT tracks. Mixed scrubland with large ash, Sassafras, oaks, with open areas. Some large patches of catbrier, Japanese knotweed, and mugwort. Area is varied in cover. Other spp: SMRO, RHCO, PAQU, TORA, LOJA, VIDE, DEPU, CSG, QURU, ACRU, POGR, CASP, QUPA, AIAL, BEPO, ARVU, SOSP, SOSG, ASPI, ASNO, ASNB, EUPU, EUMA, ASVI, EUAL, EUPE, SMRA, MEAC.

Wolfe's Pond Park Entitation Unit Descriptions, Surveyed 1990

Unit: 183
Acreage 1.61
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	White oak	All			Foot traffic	Compaction
Deciduous	Red oak	>30'			Vehicle access	Trash
Phanerophytes					Campfire	Vandalism
Undulating						
Dry/moist						

Comments

Woodland divided by wide eroded paths which connect the Florence PL. entrance with outlet at Tottenville HS. Fairly constant foot traffic has reduced the understory to patches of grasses (Panicum sp. dominates) and sparse, low shrub and a few sprouts of white oak, red oak, and Sassafras. There is evidence of campfires and some trash and old car parts. Some trees have been vandalized by graffiti and burning. Other spp: QUPA, ACRU, CASP, SAAL, LIST, PYSP, BELE, BEPO, VACO, RHSP, VIAC, SMRO, ELAC.

Unit: 184
Acreage 1.31
Mgmt. Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All			Foot traffic	Trash
Deciduous	Red maple	All			Vehicle access	Compaction
Chamaephytes					Horses	Erosion
Undulating						
Dry/moist						

Comments

Woodland dominated by sweetgum and red maple with other trees including pin oak, red and white oaks. Area contains some paths which are frequently used and dirtbikes observed here. The Northern border of the unit contains a seasonally flooded puddle with wetland herbs. Other spp: SAAL, CASP, CAO, PRSE, BELE, NYSY, VIDE, CLAL, VIAC, VIPR, RUSP, SMRO, ARNU, LYQU, LISU, MACA, SMRA, POBI, UVCA, VIOL, EUPE, ASSP, EUSP, SOSP, PHYT, LYAM, IMBI, ARVU, POLY, PASP, LEOR, CARX, JUEF, BRYO, OSCI, DEPU, PTAQ.

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.