

# Natural Area Mapping and Inventory of Cunningham Park 1988 Survey



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

# **Cunningham Park Natural Area Mapping & Inventory**

**Surveyed September 1988**

**451 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 Cunningham Park was conducted in 1988 as part of NRG's commitment to improving the natural areas of New York City parks.

The rolling terrain of Cunningham Park was carved out by glaciers nearly 20,000 years ago. As a result, new parks were created and new roads were laid out. Between 1928 and 1944, the City of New York assembled a series of parcels of land for what was originally called Hillside Park. One of these parcels was the site of the nation's first automobile highway in 1908.

In 1934 Hillside Park was renamed for W. Arthur Cunningham (1894-1934). Born in Manhattan, Cunningham was raised in Brooklyn, where he attended St. James's Academy. He received his L.L.B. degree from Fordham Law School in 1915, but postponed his legal career to serve his country in World War I. Cunningham distinguished himself in combat as a major in the 69th (later 165th) Regiment, A.E.F. He served as counsel and later vice president to the Textile Banking Corporation until 1933, when he was elected City Comptroller on Mayor LaGuardia's fusion ticket. Cunningham died suddenly of a heart attack while horseback riding on Long Island on May 5, 1934.

Mayor Fiorello LaGuardia dedicated the plaza in Cunningham's memory near the center of the park in 1936. That year marked the completion of work by the Works Progress Administration and the Parks Department to develop the southern part of the park. The plan provided tennis courts, playgrounds, stables, bridle paths, playing fields, picnic groves, and parking lots. In the early 1950s the City of New York acquired land for a greenbelt of public parks along the route of the former railroad that ran from Flushing to Babylon. The Kissena Corridor links Flushing Meadows-Corona, Kissena, Alley Pond, and Cunningham Parks in a 2816-acre, 4.5-mile "emerald necklace" of parkland.

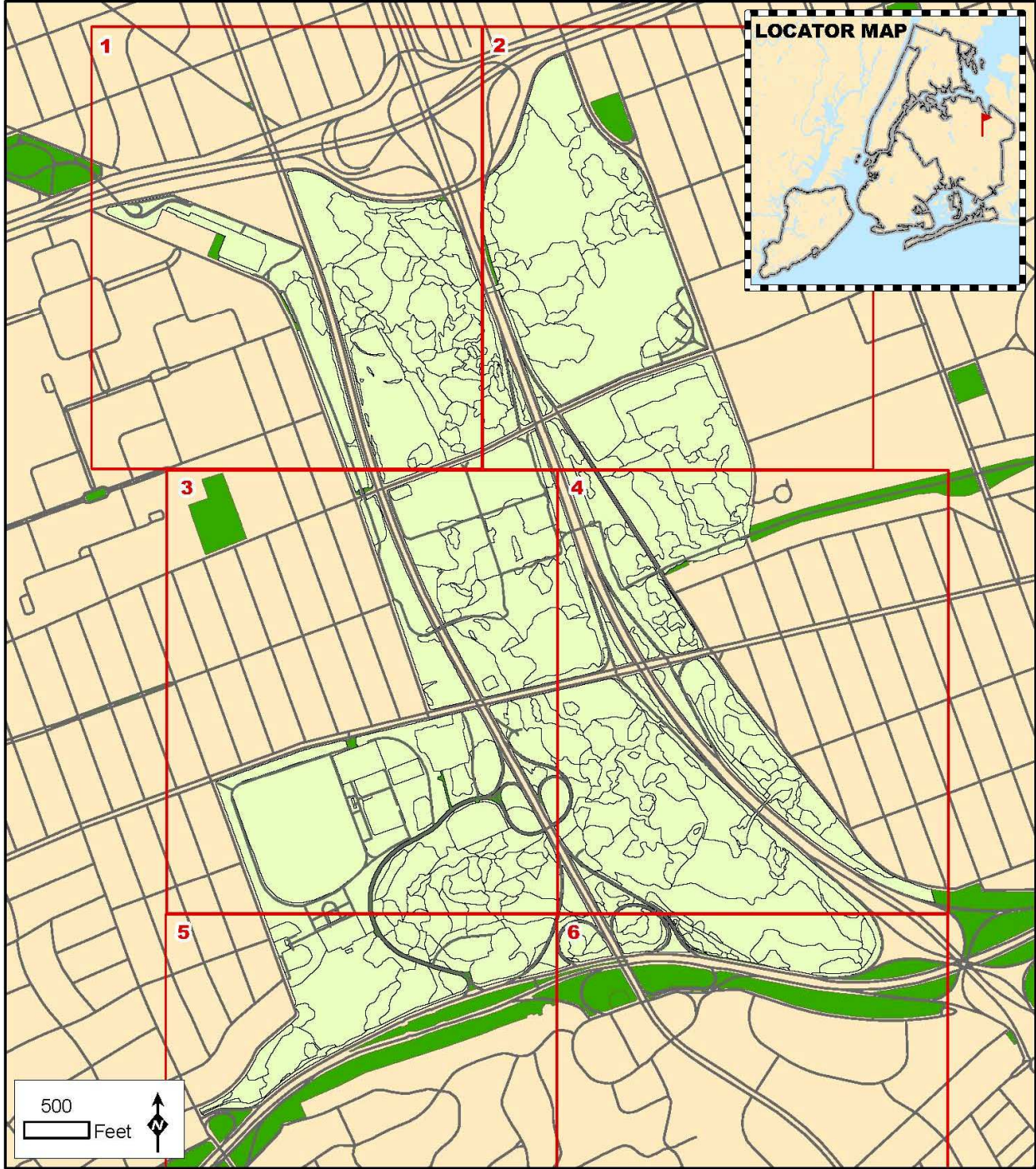
As Queens continued to grow, the park was decreased in size to accommodate the construction and expansion of schools and roads. These projects included Oceania Street (1944), Horace Harding Expressway (1951), J.H.S. 74 and its playground (1952), and the Clearview Expressway (1957-60). For more than thirty years, the Sanitation and Transportation Departments occupied a site on the eastside of the park; this area was restored as playing fields in 1986.

To facilitate the protection, management and restoration of Cunningham Park, NRG completed an inventory of the area using entitation, a process of identifying and describing ecologically distinct plant communities. Using aerial photographs and field reconnaissance, Parks staff delineated distinct ecological entities, known as entitation 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. Entitation of Cunningham Park resulted in a map and database that can be used to locate valuable and threatened areas. They also serve as a baseline for measuring change over time.

### *Entitation*

Entitation 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 entitation widely and successfully to facilitate acquisition and restoration decisions. Put simply, entitation is a process of breaking up a park into manageable parts called “entities” or “entitation units.” Entitation 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.



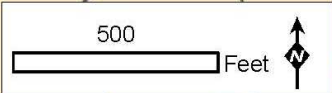
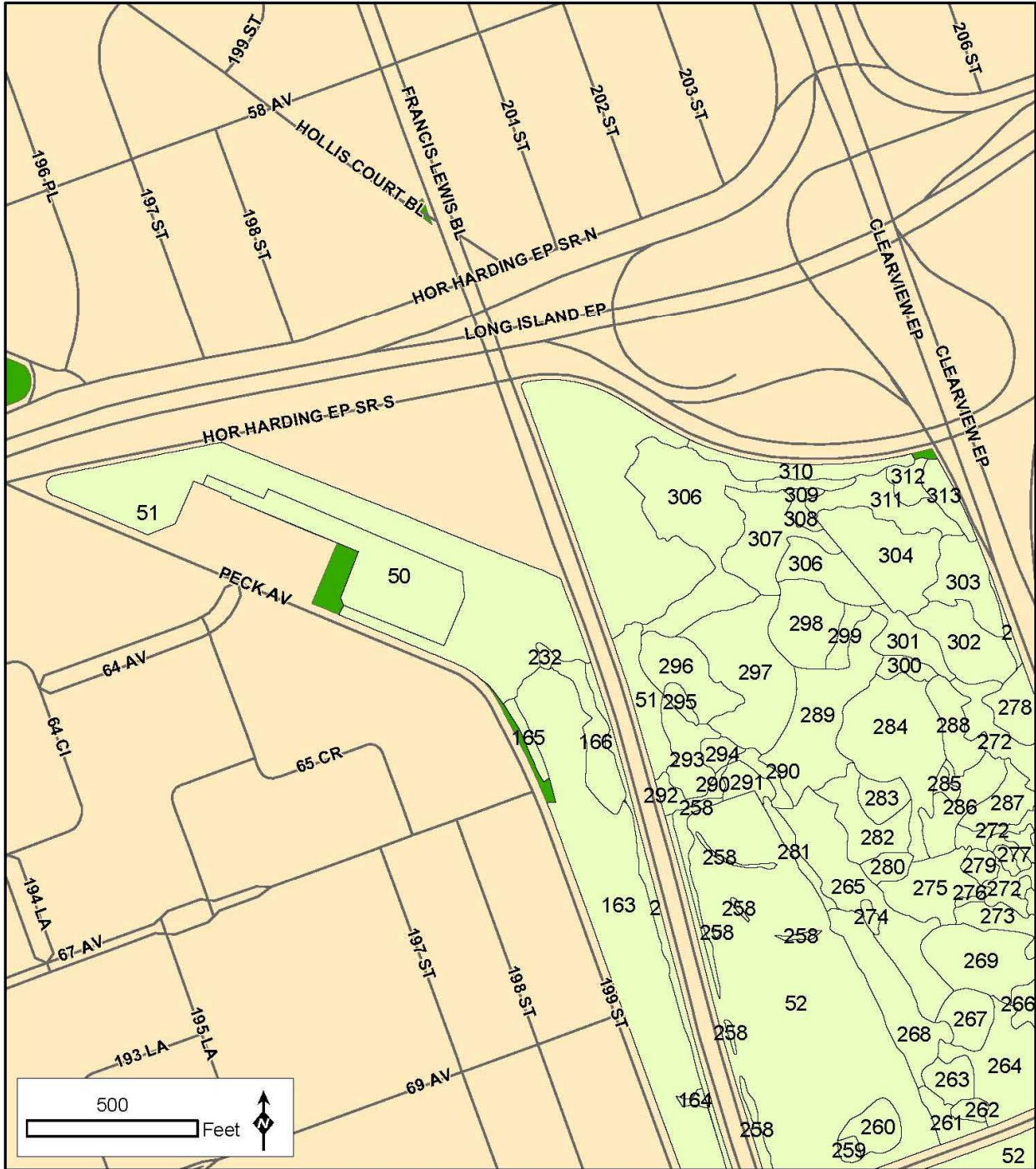
**City of New York  
Parks & Recreation  
Natural Resources Group**  
*Arsenal North, 1234 Fifth Avenue, New York, NY 10029*  
 Michael R. Bloomberg, Mayor  
 Adrian Benepe, Commissioner  
 Bill Tai, Director  
 Tim Wenskus, Project Manager  
 Craig Mandel, GIS/Data Manager  
 Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitment**

- Entitment Unit Boundaries (1988)
- New York City Parkland (Not Surveyed)

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

01-31-2006



**City of New York  
Parks & Recreation  
Natural Resources Group**  
Arsenal North, 1234 Fifth Avenue, New York, NY 10029

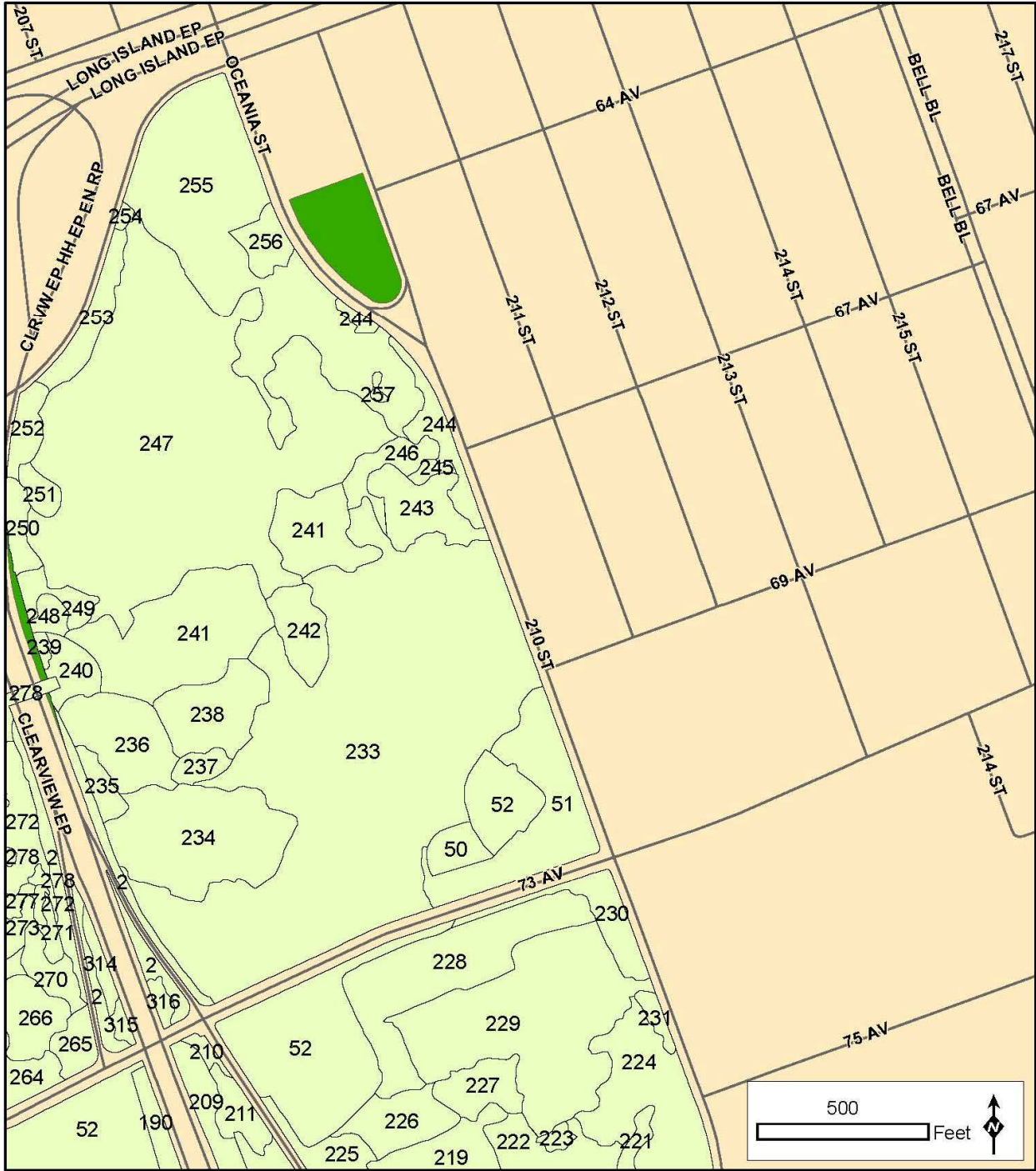
Michael R. Bloomberg, Mayor  
Adrian Benepe, Commissioner  
Bill Tai, Director  
Tim Wenskus, Project Manager  
Craig Mandel, GIS/Data Manager  
Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitment -- View 1**

- Entitment Unit Boundaries (1988)
- New York City Parkland (Not Surveyed)

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

01-31-2006



**City of New York  
Parks & Recreation  
Natural Resources Group**  
Arsenal North, 1234 Fifth Avenue, New York, NY 10029

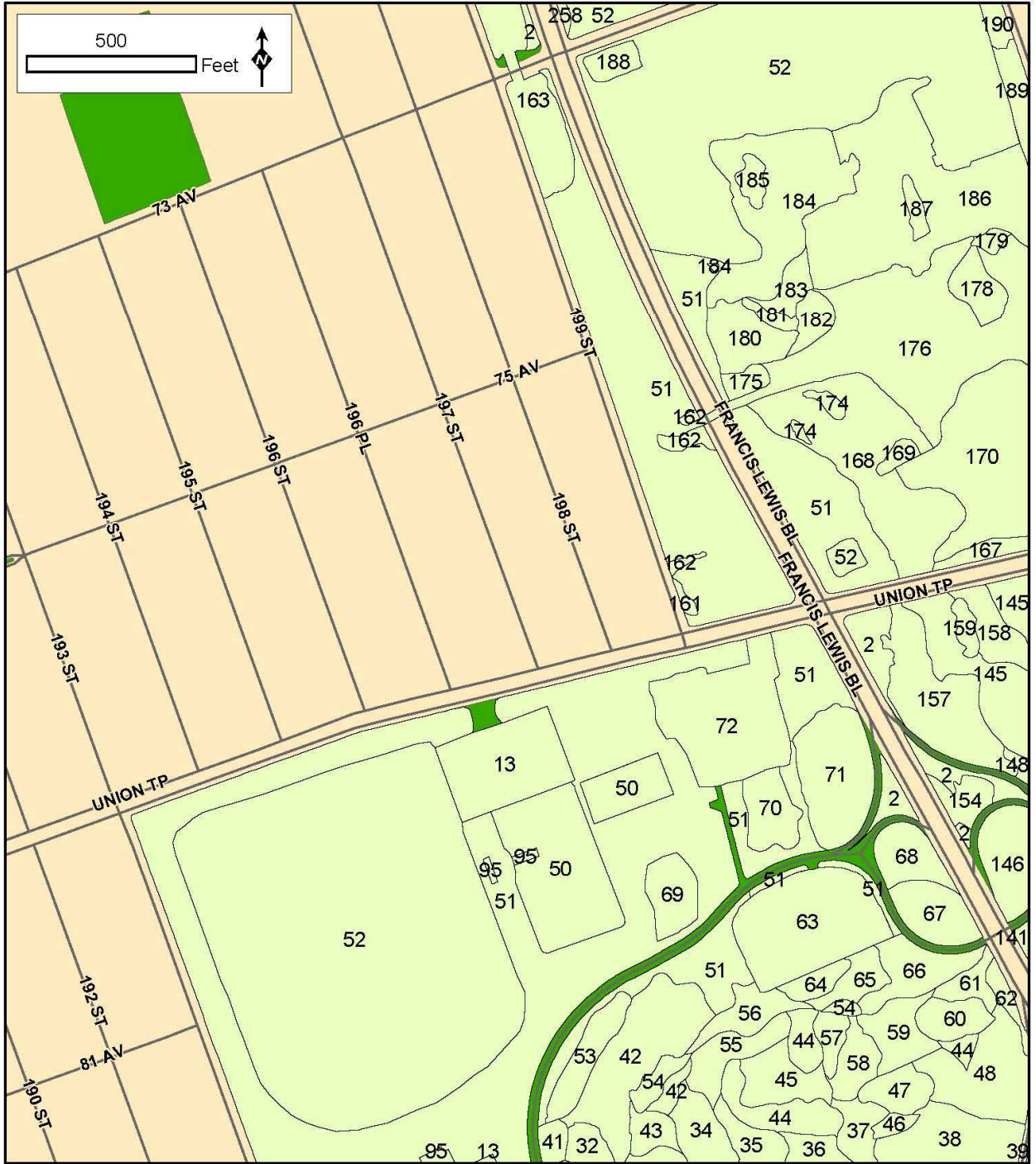
Michael R. Bloomberg, Mayor  
Adrian Benepe, Commissioner  
Bill Tai, Director  
Tim Wenskus, Project Manager  
Craig Mandel, GIS/Data Manager  
Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitment -- View 2**



- Entitment Unit Boundaries (1988)
- New York City Parkland (Not Surveyed)

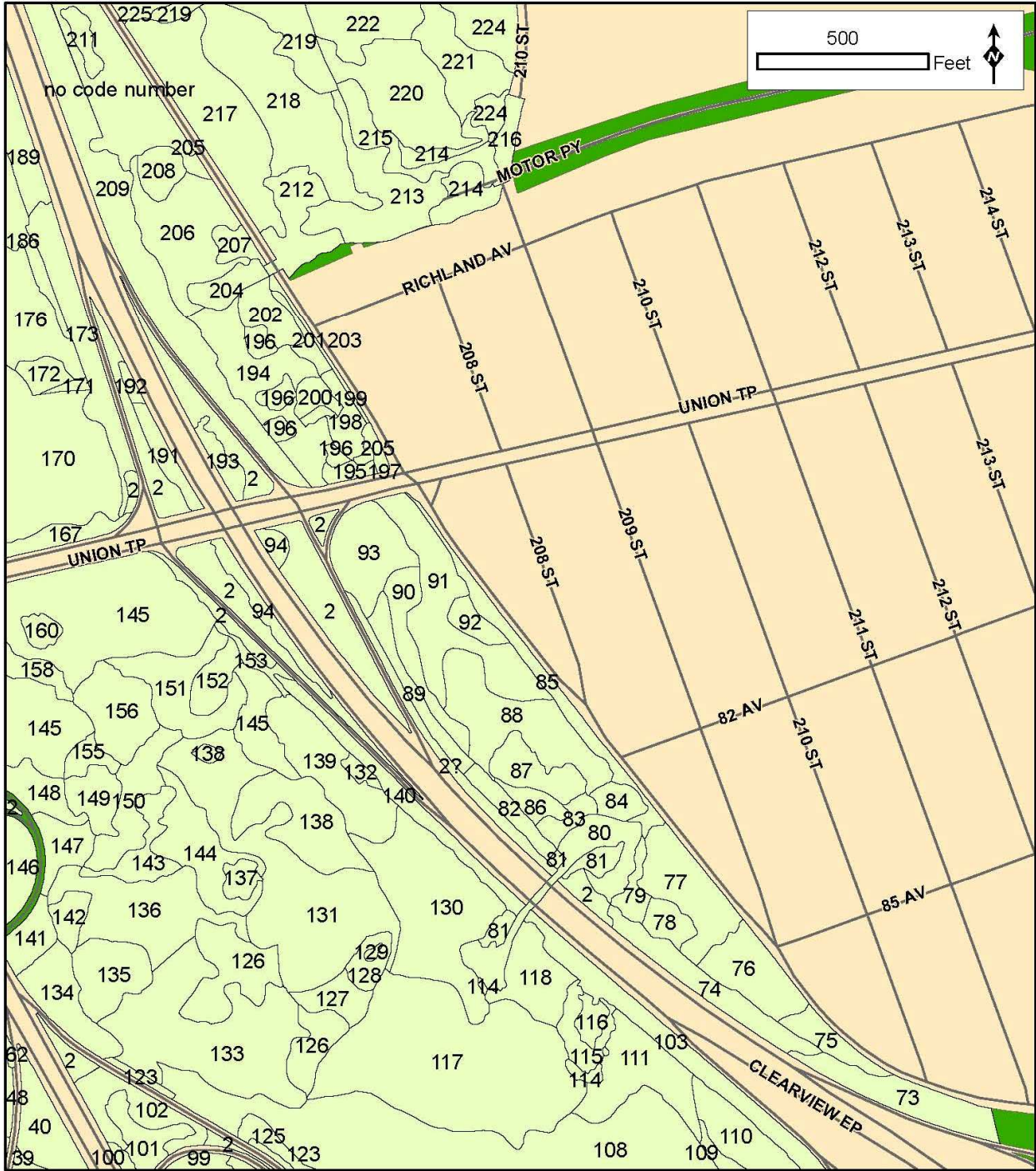
This map is limited by the accuracy of its source data and is intended for illustrative use only.

01-31-2006





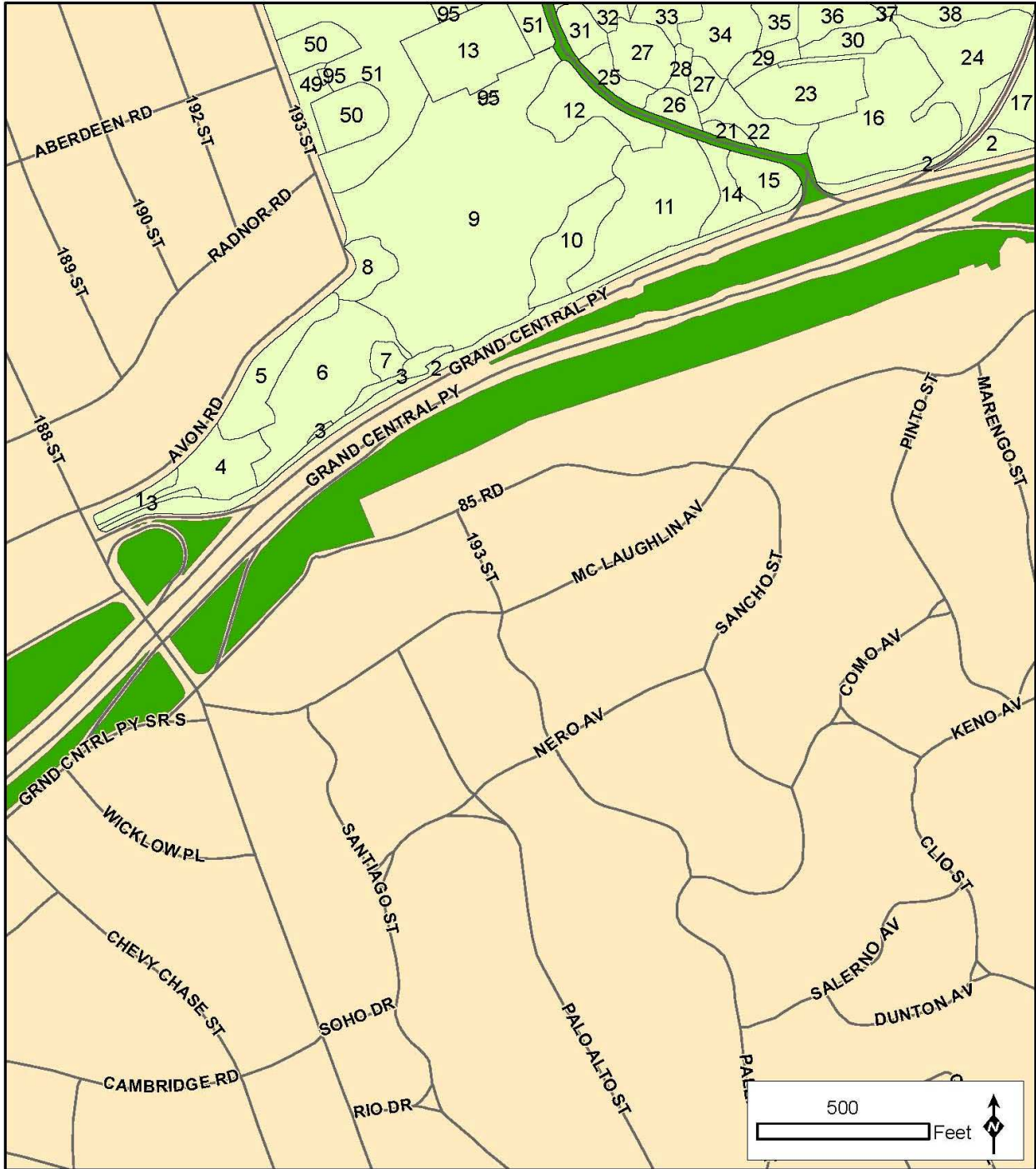

**City of New York  
Parks & Recreation  
Natural Resources Group**  
 Arsenal North, 1234 Fifth Avenue, New York, NY 10029  
 Michael R. Bloomberg, Mayor  
 Adrian Benepe, Commissioner  
 Bill Tai, Director  
 Tim Wenskus, Project Manager  
 Craig Mandel, GIS/Data Manager  
 Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitation -- View 3**  
 Entitation Unit Boundaries (1988)  
 New York City Parkland (Not Surveyed)  
 This map is limited by the accuracy of its source data and is intended for illustrative use only.  
01-31-2006






**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  
 Bill Tai, Director  
 Tim Wenskus, Project Manager  
 Craig Mandel, GIS/Data Manager  
 Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitation -- View 4**  
 Entitation Unit Boundaries (1988)  
 New York City Parkland (Not Surveyed)  
 This map is limited by the accuracy of its source data and is intended for illustrative use only.  
01-31-2006

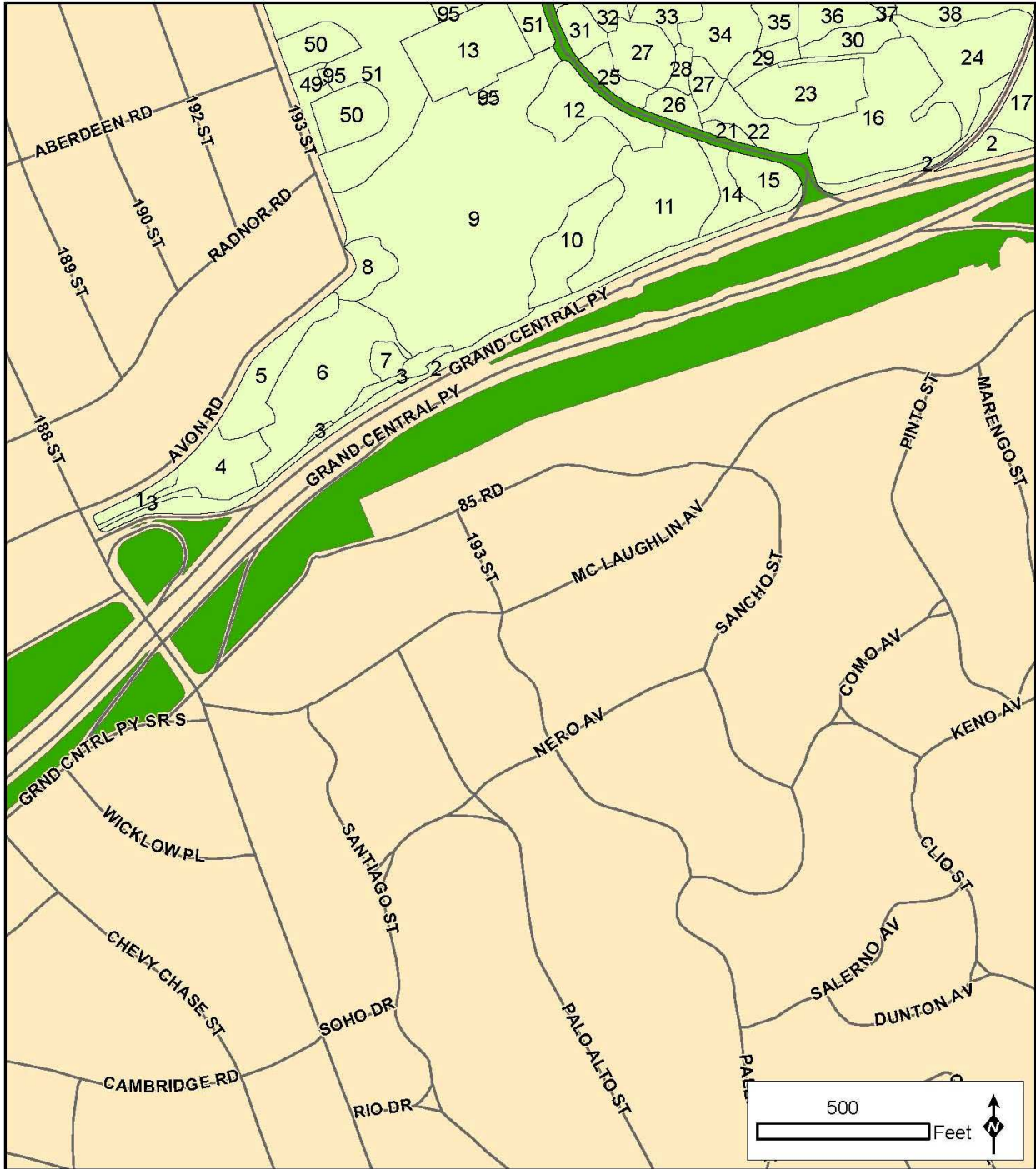



**City of New York  
Parks & Recreation  
Natural Resources Group**  
 Arsenal North, 1234 Fifth Avenue, New York, NY 10029  
 Michael R. Bloomberg, Mayor  
 Adrian Benepe, Commissioner  
 Bill Tai, Director  
 Tim Wenskus, Project Manager  
 Craig Mandel, GIS/Data Manager  
 Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitment – View 5**

-  Entitment Unit Boundaries (1988)
-  New York City Parkland (Not Surveyed)

This map is limited by the accuracy of its source data and is intended for illustrative use only. 01-31-2006



**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  
Bill Tai, Director  
Tim Wenskus, Project Manager  
Craig Mandel, GIS/Data Manager  
Jennifer Epstein, NRG Staff

**Cunningham Park Natural Areas Entitment -- View 6**

- Entitment Unit Boundaries (1988)
- New York City Parkland (Not Surveyed)

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

01-31-2006

**Unit:** 1  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	>30' & 5-30'			Foot traffic	Soil
Deciduous	Sassafras	5'-30'				Trash
Hemicryptophytes	Black birch	5'-30'				Dumping
Level	Black cherry	5'-30'				
Dry						

**Comments:**

This edge unit is characterized by woody species beginning to take over a herbaceous area. It stretches along the fence by Avon road near P.S. 178 and probably gets a lot of foot traffic; there is a path down the middle. Herbaceous understory of mugwort, poison ivy, Japanese honeysuckle, chives. Other species: American elm, rose, grey birch, flowering dogwood, and one large white oak.

**Unit:** 2  
**Acreage:** 9.37  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'			Vehicle access	
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Landscaped areas along major roads throughout Cunningham Park. Maintained by the Department of Transportation or in some cases, the Parks Department. Trees include crab apple, red and pin oak, and flowering dogwood. Other species: English plantain, dandelion, clover, mugwort, and chickweed.

**Unit:** 3  
**Acreage:** 0.34  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Chamaephytes Slope Dry	Ornamental shrubs	5'-30'	Yes	Exotic	Vehicle access	

**Comments:**

Areas of planted ornamental shrubs--privet, forsythia, spicebush, and honeysuckle species-along the Grand Central Parkway. Shrubby areas form thickets. Spicebush is the most abundant, growing upslope from wet area (unit 7). Bittersweet growing heavily near this spot; area may eventually become vineland. Other shrubs are rose and wineberry. Few trees include black oak, crab apple, and sycamore maple. Other species: Red osier dogwood, mugwort and CSG.

**Unit:** 4  
**Acreage:** 0.79  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Phanerophytes Slope Dry	Black oak Sassafras Black cherry Black birch	>30' 5'-30' 5'-30' >30'			Foot traffic	Fire Trash

**Comments:**

A small, disturbed forest with a great deal of woody debris. Recent fire scars where sassafras is coming in heavily; flowering dogwood <8' heavy in another section. Part of path in unit. Vines in some small trees and shrubs. A lot of leaf litter present; large tree covered with poison ivy here. Other species: 3 large white oak, hickory spp., Rubus, bittersweet, wild grape, Japanese honeysuckle, viburnum sp., chives, Ailanthus, rose, Siebold viburnum, and Norway maple.

**Unit:** 5  
**Acreage:** 1.09  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30'		Fence	Foot traffic	Trash
Deciduous	Black cherry	5'-30'				Dumping
Chamaephytes	Flowering dogwood	5'-30'				Compaction
Slope	Black oak	>30'				
Dry	Mapleleaf viburnum	5'-30'				

**Comments:**

This unit is mostly on the slope leading towards Avon Road and is bordered here by a chain link fence that is broken in some places. There is some trash and dumping along this edge. Large black birch dominate the unit, but there is a smaller area with a dense stand of young, even age black birch. An unpaved footpath borders top of slope; there is less of an understory there. Most of dogwoods here in poor shape. Other species: Sassafras, red maple, CSG, Japanese barberry, Rubus, white wood aster, arrowwood, etc.

**Unit:** 6  
**Acreage:** 2.07  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	>30'			Foot traffic	Fire
Deciduous	Red oak	>30'				
Phanerophytes	Hickory spp.	>30'				
Undulating	Flowering dogwood	5'-30'				
Dry	Sassafras	5'-30'				
	Black cherry	5-30				

**Comments:**

Forest with 50/50 mix of red and white oak. Quite a bit of black oak near highway and a large burned area. Lots of Sassafras regeneration here. Planted crab apple and mugwort near highway. Scattered sweet gum present; lots of black cherry <5', and a great deal of leaf litter. MC: Lack of oak/hickory regeneration plus unhealthy dogwoods (flux evident). Also, paved paths breaking and becoming buried by soil. Other species: chives, wild geranium, honewort, aster, rose, poison ivy, Jack-in-the-pulpit, CSG, Virginia knotweed, and Japanese barberry.

**Unit:** 7  
**Acreage:** 0.18  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30'			Vagabond	Trash
Deciduous	Siebold viburnum	5'-30'	Yes			
Therophytes						
Depression						
Surface water						

**Comments:**

Vernal pond with very few trees--2 red maples, 1 white oak, and 1 sweetgum. A lot of Siebold viburnum around pond edges. Water drains from a culvert from Grand Central Parkway. A lot of leaf litter here. One large snag near fence. Other species: black cherry < 5', wineberry, bitter dock, Aster, chives, and a fair amount of jewelweed; yet, overall there is not much of anything growing here. MC: Potential wetland. Weeping willow and American sycamore also present.

**Unit:** 8  
**Acreage:** 0.46  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	>30'			Foot traffic	Trash
Deciduous	Norway maple	5'-30'	Yes		Bike/ atv	Compaction
Phanerophytes						Dumping
Slope						
Dry						

**Comments:**

A transitional unit between street edge and forest. Black cherry and Norway maple regeneration. Scattered white oaks, sweetgum, and red maple. Lianas in some parts of unit, clinging to trees. Fence broken down at corner, several sections missing. Light dumping at corner. A great deal of trash, especially near corner. Trail is compacted. Other spp.: mugwort, CSG, black oak, Ailanthus, black birch, wild grape, hickory sp. (one), and viburnum sp. MC: Because of trash and emergent vineland patches, and compaction on the trails.

**Unit:** 9  
**Acreage:** 7.79  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Exotic	Picnic	Soil
Mixed	Eastern hemlock	5'-30'			Foot traffic	Fire
Chamaephytes	Hickory spp.	>30'			Campfire/ party	Trash
Undulating	Black birch	>30'				
Dry	Black cherry	All				

**Comments:**

Heavily used area with almost no understory, subject to many fires, lots of paths throughout (MC). Fallen branches and trees, many snags and trees with fire scars. In eastern area there is more Sassafras, and in western area, there is some black birch. Some Rhododendrons wandering in the woods near the comfort station. The edge near Grand Central Parkway has Siebold viburnum as well as bittersweet, sumac (Dead), and hawthorn sp. Other spp.: honewort, CSG, Rubus, catbrier, elderberry, mapleleaf viburnum, chives, flowering dogwood, etc.

**Unit:** 10  
**Acreage:** 0.85  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'			Foot traffic	Trash
Mixed	Black cherry	All				Vandalism
Phanerophytes	Eastern hemlock	5'-30'				
Slope						
Dry						

**Comments:**

Unit takes up where unit 11 left off. Black oak is more abundant than pin oak, and there are more hemlocks. There are still a lot of black cherry saplings, which make up most of the vegetation <15', along with mapleleaf viburnum. There's more hickory spp. and black birch present in this unit. Other spp.: Sassafras, blackhaw, sweet cherry, American holly, CSG, path rush, honewort, white wood aster, Rubus, and flowering dogwood.

**Unit:** 11  
**Acreage:** 1.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	Fire
Deciduous	Black cherry	All				Trash
Phanerophytes						
Slope						
Dry						

**Comments:**

Black cherry and pin oak in a 50/50 mixture. Dense understory of catbrier and cherry saplings in most areas. Along edge of road, by police stables, there are some grey birch, Sassafras, and red maple. Heading west into the forest, there's a patch of Eastern hemlock and more black oak and white oak. Other spp.: Japanese knotweed, tulip tree, elderberry, chives, poison ivy, bittersweet, Japanese honeysuckle, white ash, blueberry, Japanese barberry, flowering dogwood (<5'&5-30'), arrowwood, mapleleaf viburnum, red garden currant, American beech (one).

**Unit:** 12  
**Acreage:** 0.82  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	Compaction
Deciduous	Flowering dogwood	5'-30'			Picnic	Erosion
Phanerophytes	Black cherry	All				Trash
Slope	Grey birch	>30'				
Dry	Sweetgum	All				

**Comments:**

This forested unit differs from the surrounding units by being more open, probably due to foot traffic and the slope. It is surrounded by the parking lot and the road leading to the police precinct. There is a considerable amount of grey birch and Sassafras, and there is also a great deal of flowering dogwood. There is less black cherry here than unit 11, and unlike 11, sweetgum is present here. Other spp: white oak, red oak, red maple, highbush blueberry, shadbush, black birch, chive, path rush, CSG, poison ivy, white wood aster, catbrier, and hickory sp.

**Unit:** 13  
**Acreage:** 3.27  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest				Landfill	Vehicle access Foot traffic	
Level						
Dry						

**Comments:**

All active parking lots in Cunningham Park.

**Unit:** 14  
**Acreage:** 0.36  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Cool season grass	<5'			Picnic Campfire/ party Vehicle access	Trash Compaction
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Small grassy area near police precinct and Grand Central Parkway. Nice patch of little bluestem growing in the middle. Rabbit and pheasant noted previously. Sumac is growing in south portion near fence, but most of it is stunted due to rabbit browsing. Other spp.: Rubus, path rush, dandelion, Japanese honeysuckle, chive, mugwort, and a patch of bittersweet with Japanese honeysuckle growing in from nearby trees. MC: potential meadow management. Area may be a picnic site: wood chips dumped, tire tracks at road edge, vehicle access.

**Unit:** 15  
**Acreage:** 0.45  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Pin oak	>30'			Vehicle access	Trash
Deciduous	Red oak	>30'				
Phanerophytes	Sassafras	5'-30'				
Slope	Black cherry	5'-30'				
Dry	Catbrier	5'-30'				
	Poison ivy	5-30				

**Comments:**

Small round forest of pin oak surrounded by roadways and grass. A lot of Sassafras and black cherry (<5'), many young oaks (5-30'). A lot of poison ivy, particularly along fence and in one spot where it is over 5'. Catbrier growing rampantly, too. MC: great wildlife spot--plenty of cover and food, plus it is near to grassland. Other spp.: sweetgum, highbush blueberry, wineberry, flowering dogwood, black oak, hickory spp. (5-30'), arrowwood, etc.

**Unit:** 16  
**Acreage:** 2.52  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest				Landfill	Other	Soil
Hemicytrophytes					Vehicle access	Trash
Level					Horses	
Dry						

**Comments:**

Highway Police Precinct No.3. Landscaped area surrounds the building. Personal vehicles are parked on lawn adjacent to most of the roads. Many large oaks--black, red, white, and pin--as well as some Sassafras regenerating in forested pockets in the lawn. Lawns are in good condition considering they are driven across often. Police stables are present here also. Cars are also parked on wood borders.

**Unit:** 17  
**Acreage:** 1.76  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Sweetgum	All		Full-crown tree	Vehicle access	Trash
Deciduous	Red oak	>30'			Foot traffic	
Phanerophytes	Black cherry	All				
Undulating	Flowering dogwood	5'-30'				
Dry						

**Comments:**

Forest of sweetgum bisected by highway access roads with large planted red oaks. Good deal of intermediate oaks. Black cherry and flowering dogwood not as plentiful, but scattered throughout. Also some red maple and hickory spp. present. Scattered mixed regeneration besides cherry. Other trees: crab apple, American beech, hickory spp., pin oak, Sassafras, sycamore maple (<5'), black locust, Ailanthus, mulberry. Other spp.: true and false Solomon's seal, wild geranium, Japanese honeysuckle, Aster, poison ivy, rose, chives, bittersweet, etc.

**Unit:** 18  
**Acreage:** 0.41  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Smooth sumac	5'-30'			Vehicle access	Trash
Deciduous	Ailanthus	5'-30'	Yes			
Chamaephytes						
Slope						
Dry						

**Comments:**

Steep slope of thick (in girth) sumac and scattered Ailanthus leading down from the Grand Central Parkway (near overpass for Francis Lewis Blvd). Area will probably stay scrubby with rose and Rubus or become a bittersweet/wild grape vineland. Not much regeneration. Siebold viburnum and honey locust. Difficult to walk through. Other Spp: Japanese honeysuckle, black locust (one), mulberry (one), Sassafras, black cherry (two), pin oak (two), sycamore maple (<5'), etc. Sumac is not very healthy.

**Unit:** 19  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Ailanthus	>30'	Yes		Foot traffic	Trash
Deciduous	Rubus	<5'				
Chamaephytes						
Slope						
Dry						

**Comments:**

This is an open area that is filling in with Ailanthus. There is a dense thicket of Rubus in a small part of the unit and it is scattered over the rest of the unit. Other spp.: black cherry, red oak, aster, true and false Solomon's seal, wild leak, wild grape, poison ivy, and Japanese honeysuckle.

**Unit:** 20  
**Acreage:** 0.34  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'			Vehicle access	Trash
Deciduous	Red maple	>30'				
Phanerophytes	Pin oak	>30'				
Depression						
Moist						

**Comments:**

Area is in a slight depression and is bordered by highways on two sides. There is not much regeneration, so, the understory is fairly open except for a few black cherry and red maple. Other spp: elderberry, ferns, Virginia knotweed, false Solomon's seal, Rubus and Japanese honeysuckle.

**Unit:** 21  
**Acreage:** 0.12  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Rubus	<5'		Full-crown tree		Trash
Deciduous	Bittersweet	<5'	Yes			
Lianas	Pin oak	>30'				
Slope						
Dry						

**Comments:**

This area is planted on the edge with three large pin oaks, the area under them was probably mowed or landscaped at one time. Now there is a thicket of Rubus, wineberry, Japanese honeysuckle, and wild grape growing beneath it. The adjoining unit is colonizing this scrub unit with Sassafras and black cherry saplings and seedlings. MC: to keep this a scrub area with the food sources and cover for wildlife. Other spp.: white wood aster, chives. Note: rabbit browse.

**Unit:** 22  
**Acreage:** 0.58  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black oak	>30'		Road		Dumping
Deciduous	Sassafras	5'-30'				Trash
Phanerophytes	Hickory spp.	All				
Slope	Sweetgum	>30'				
Dry	Black cherry	All				
	Catbrier	5-30				

**Comments:**

Unit comprised of larger forest on the east side of the road (leading to police precinct) and two pockets of sassafras and black cherry on the northwest side. Very diverse forest of above spp., with lots of regeneration (above). Catbrier, wild grape, and bittersweet entangling some of the trees. Snags present. Dumping on road edge: leaves, and logs. Not much black cherry or hickory <30'. Only about four large sweetgum. Other spp.: American hornbeam, viburnum spp., grey birch, red oak, a good amount of flowering dogwood <5', etc.

**Unit:** 23  
**Acreage:** 1.16  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All		Full-crown tree	Foot traffic	Dumping
Deciduous	Sassafras	>30'				Trash
Lianas	Bittersweet	All	Yes			
Slope	Pin oak	>30'				
Dry	Catbrier	5'-30'				
	Flowering dogwood	5-30'				

**Comments:**

Emergent vineland of bittersweet, catbrier, and some wild grape growing amongst dominant tree spp. Good number of dead grey birch; significant dogwood regeneration, although as they get older, they look less healthy. Older full-crown oaks around the perimeter mainly. MC: good for wildlife, plenty of birds here. Dumping of leaves, wood chips near road. Other spp.: Siebold viburnum, chives, Japanese barberry, hickory spp., rose, sweetgum, grey birch, white, black and red oaks, red maple (<5'), etc.

**Unit:** 24  
**Acreage:** 1.31  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All		Fence	Vehicle access	Dumping
Deciduous	Black cherry	All			Foot traffic	Cesspool
Phanerophytes	Black locust	<5'	Yes			
Slope	Rose	<5'	Yes			
Dry	Mugwort	<5'	Yes			
	Ailanthus	5-30	Yes			

**Comments:**

Closed forest of Sassafras with clearings filled with mugwort, rose, or Ailanthus. Unit adjacent to police precinct and Grand Central Parkway access road. Area moist in spots as evidence by jewelweed. Fence has been vandalized, there is vehicle access and a large amount of dumping in one area. There has been some kind of sewage backup/cesspool problem near the northeast corner of precinct yard (MC). Other spp.: wild grape, Japanese honeysuckle, aster, goldenrod, jet black bead, chives, poison ivy, black oak, flowering dogwood, etc.

**Unit:** 25  
**Acreage:** 0.27  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'			Foot traffic	
Deciduous	Black cherry	>30'			Other	
Chamaephytes	Catbrier	5'-30'				
Slope	Sassafras	5'-30'				
Dry						

**Comments:**

A swathe of closed forest with an understory of heavy catbrier, Sassafras regeneration, and open patches of herbaceous vegetation. Catbrier is preventing heavier Sassafras regeneration. MC: Understory is good cover/food for wildlife (rabbit browsing seen). Other spp.: shadbush, Japanese honeysuckle, sweetgum, grey birch, flowering dogwood, aster, mugwort. Light trash and some dumping.

**Unit:** 26  
**Acreage:** 0.27  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'			Foot traffic	Dumping
Deciduous	Sassafras	5'-30'				Trash
Phanerophytes	Flowering dogwood	5'-30'				
Slope	Black cherry	All				
Dry						

**Comments:**

This black oak forest differs from the surrounding area by being virtually free of lianas and by having a dense understory of saplings; mostly Sassafras, flowering dogwood, and black cherry. MC: Because of the dumping and trash along the end of the police precinct. Other spp.: chives, Japanese barberry, white wood aster, pin oak, bittersweet, Japanese honeysuckle, arrowwood, catbrier and hickory spp.

**Unit:** 27  
**Acreage:** 0.19  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Other	Foot traffic	Dumping
Deciduous	Bittersweet	5'-30'	Yes			Trash
Lianas						Soil
Slope						
Dry						

**Comments:**

This closed forest is mainly made up of large black oaks (some dead) with lianas (mostly bittersweet) growing underneath and into the crowns of some trees. At the top of slope, there is a great deal of log dumping. The lower portion of the unit contains many abandoned barbecue and picnic sites overgrown with bittersweet and other lianas. Many pheasants and two different spp., of woodpeckers seen here. Other spp.: pin oak, catbrier, white oak, black cherry, sweetgum, hickory spp., flowering dogwood, mulberry, Rubus, Japanese honeysuckle, etc.

**Unit:** 28  
**Acreage:** 0.14  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	5'-30'	Yes	Other	Foot traffic	Trash
Deciduous	Hickory spp.	>30'				
Hemicryptophytes	Flowering dogwood	5'-30'				
Slope						
Dry						

**Comments:**

This unit contains an isolated stand of sweet cherry. There are several large hickory sp., and quite a few flowering dogwood (<20'). This unit is not over-run with lianas even though it cuts through unit 27. There are several paths going through and large long blocks of concrete are present. Other spp.: black oak, black cherry, Sassafras, white oak, pin oak, elderberry, honewort, white wood aster, Rubus, bittersweet, chives, arrowwood, mapleleaf viburnum, catbrier, and Siebold viburnum.

**Unit:** 29  
**Acreage:** 0.28  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Bittersweet	All	Yes		Vehicle access	Dumping
Deciduous	Rose	<5'	Yes		Foot traffic	Trash
Lianas						
Level						
Dry						

**Comments:**

Bittersweet vineland growing upon dumped leaves, wood chips, rose, wineberry, and a few trees: red oak, black oak, black cherry, and American elm. A small stream/erosion channel runs through it from the adjacent road to the forest. Paved path encircles unit's north border. Other spp.: mulberry, flowering dogwood, mugwort, CSG, and Japanese honeysuckle. MC: a great wildlife spot, but too much dumping.

**Unit:** 30  
**Acreage:** 0.39  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Sassafras	5'-30'			Vehicle access	Dumping
Deciduous	Rose	<5'	Yes		Foot traffic	Manure
Chamaephytes	Black cherry	5'-30'				
Slope						
Dry						

**Comments:**

Unit of Sassafras that borders police stable's fence and access road. MC: lots of dumping here, everything from a toilet bowl to fodder. Rose covers much of the understory, although cherry is regenerating in a few spots. Foot paths border the unit. Only a few larger cherries present. Other spp.: Aster, Japanese honeysuckle, black birch, flowering dogwood, jet black bead, viburnum sp., etc.

**Unit:** 31  
**Acreage:** 0.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	5'-30'			Foot traffic	Trash
Deciduous	Sassafras	5'-30'				Dumping
Chamaephytes						
Slope						
Dry						

**Comments:**

This closed forest is bordered by the road on one side. This might account for the predominance of black cherry and Sassafras. There is also some pin oak and red oak mixed in. The understory is primarily rose, blackhaw, arrowwood, Siebold viburnum. Other spp.: chives, Japanese honeysuckle, Japanese barberry, and sweetgum. Chipmunk spotted in unit.

**Unit:** 32  
**Acreage:** 0.35  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Mugwort	<5'	Yes		Vehicle access	Dumping
Deciduous	Cool season grass	<5'			Foot traffic	Soil
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Clearing probably occurred when gravel, asphalt, and sand stockpiled or dumped here. Mugwort, CSG, Aster, English, and common plantains, path rush, honewort, and other herbs, as well as rose, Rubus, and black cherry saplings are covering this area. Small area on the edge with wild grape covered trees: black cherry, mulberry, hickory spp., and pin oak. Other species: chives, chicory, pokeweed, dandelion, moss, and wild strawberry.

**Unit:** 33  
**Acreage:** 0.42  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	White oak	>30'		Picnic site	Foot traffic	Soil
Deciduous	Hickory spp.	>30'				Erosion
Chamaephytes	Black oak	>30'				Trash
Slope	Blackhaw	5'-30'				
Dry						

**Comments:**

Sloping oak-hickory forest dogwood mixed in. Most of understory is mapleleaf viburnum, blackhaw, catbrier, arrowwood, black cherry (<5'), and Sassafras (<5'). Other trees include red oak, red maple, and black birch. Other spp.: white wood aster, Aster, wood anemone, CSG, path rush, rose, chives, true and false Solomon's seal, bittersweet, wineberry, wild grape, rough avens, Siebold viburnum, etc.

**Unit:** 34  
**Acreage:** 0.52  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'		Picnic site	Foot traffic	Soil
Deciduous	Black cherry	All			Picnic	
Hemicryptophytes					Campfire/ party	
Slope						
Dry						

**Comments:**

Open old picnic area with a network of footpaths running through it. Trees are mostly pin oak, with black cherry moving in from surrounding area, and there is some black cherry regeneration. Other trees include flowering dogwood, hickory spp., black oak, some mulberry in more open areas, a few white oaks, one grey birch, and Sassafras. Where there is understory it is mostly path rush, white wood aster, and CSG. There are patches of wineberry, arrowwood, mapleleaf viburnum, and bittersweet. Other species: cinquefoil, elderberry, Indian pipe, etc.

**Unit:** 35  
**Acreage:** 0.76  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	5'-30'			Foot traffic	Trash
Deciduous	Mugwort	<5'	Yes			
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Valley of black cherry with a groundcover of mugwort with a small stream channel bisecting it. Patches of wineberry, viburnum, Japanese honeysuckle, and regenerating trees. Other trees are few and far between. Channel is about three feet deep and five feet wide for most of its length. Other trees: Sassafras, hickory sp., red maple, flowering dogwood, pin oak, black oak, and mulberry. Other spp: rose, wineberry, chives, honewort, Japanese honeysuckle, arrowwood, elderberry, true Solomon's seal, Norway maple, burdock, goldenrod, viburnum sp., etc.

**Unit:** 36  
**Acreage:** 0.72  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	>30'		Full-crown tree	Foot traffic	Erosion
Deciduous	Sassafras	All			Campfire/ party	Soil
Phanerophytes	Pin oak	>30'				Fire
Slope	Flowering dogwood	5'-30'				
Dry	Black cherry	5'-30'				

**Comments:**

Mixed forest of the above spp. with almost no understory. Some areas with black cherry regeneration, arrowwood, and mapleleaf viburnum. Root exposure apparent although enough leaf litter. Fire scars on some of the trees; fire ring present. Other spp.: black and grey birch, hickory spp., red oak, red maple, wild grape, rose, Aster, wineberry, true and false Solomon's seal, honewort, CSG, moss, mulberry, etc.

**Unit:** 37  
**Acreage:** 0.50  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	White oak	>30'			Foot traffic	Trash
Deciduous	Red oak	>30'				
Chamaephytes	Flowering dogwood	5'-30'				
Slope						
Dry						

**Comments:**

Unit slopes down towards pool of standing water. Understory contains lots of mapleleaf viburnum, arrowwood, black cherry, and red maple. A paved path runs through unit. Other spp: true and false Solomon's seal, Japanese honeysuckle, Sassafras, wild leek, Rubus, viburnum sp., hickory sp., and poison ivy.

**Unit:** 38  
**Acreage:** 1.59  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Trash
Deciduous	Hickory spp.	>30'			Bike/ atv	
Hemicryptophytes	Flowering dogwood	5'-30'			Vehicle access	
Undulating	Black oak	>30'				
Dry						

**Comments:**

Oak-hickory forest with a great amount of flowering dogwood. Aster dominates the ground cover, a good deal of poison ivy present too. Lots of leaf litter, rock outcrops. Part of unit surrounds kettle pond (unit 46). The dogwood is not very healthy. Little regeneration. Other trees: red maple, Sassafras, black birch, a few white oak >30', black cherry. Other spp: chives, rose, etc (not much). Unit borders Grand Central access road where there is a lot of trash.

**Unit:** 39  
**Acreage:** 0.26  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Ailanthus	All	Yes		Vehicle access	Trash

**Comments:**

Some tall Ailanthus and Ailanthus regeneration. Also some regeneration of oak, sweetgum, and red maple. There is a lot of herbaceous ground cover. Area is on access road to Grand Central Pkwy. Other spp: red oak >30', red maple >30', wild leek, Aster wild geranium, true and false Solomon's seal, Japanese honeysuckle, ferns, Virginia knotweed, Rubus, black cherry, crabapple, arrowwood, elderberry, pokeweed, jewelweed, sensitive fern.

**Unit:** 40  
**Acreage:** 0.85  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Phanerophytes Undulating Dry	Red oak Ailanthus Sweet cherry Sycamore maple	All 5'-30' All 5'-30'	 Yes Yes Yes		Vehicle access	Trash

**Comments:**

Red oak dominates this forest; other three species not as abundant, but significant. Sycamore maple dominates the regeneration, but all are regenerating including, Sassafras, red maple, hickory, hawthorn, flowering dogwood, black cherry, black birch, and black oak. Some trash. Nice herbaceous groundcover: wild leek, wild geranium, spotted wintergreen, lots of false Solomon's seal, true Solomon's seal, aster sp., Japanese honeysuckle. MC: Odd area surrounded by access roads, but great regeneration, could be fenced off, only oak <5' so far.

**Unit:** 41  
**Acreage:** 0.18  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Exotic	Foot traffic	Dumping
Deciduous	Hickory spp.	>30'				Trash
Lianas	Crab apple	5'-30'				
Slope	Bittersweet	5'-30'	Yes			
Dry						

**Comments:**

MC: Good wildlife area, food, cover. Disturbed edge unit with lianas beginning to take over. Many exotic spp: Siebold viburnum, grey stem dogwood, one large red oak deadfall, dumping and trash along edge Other spp: Sassafras, arrowwood, chives, mugwort, aster, flowering dogwood, and black cherry.

**Unit:** 42  
**Acreage:** 1.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'		Picnic site	Foot traffic	Fire
Deciduous	Red maple	5'-30'			Campfire/ party	Soil
Hemicryptophytes					Picnic	Erosion
Depression						
Moist						

**Comments:**

Almost exclusively red maple and pin oak. A moist site, trampled, with many paths. Very little herbaceous or understory here except for mugwort area. Evidence of fire, old picnic area and barbecue sites. Some trash, leaf and wood chip dumping. Other spp: elderberry, mapleleaf viburnum, rose, white wood aster, chives, CSG, bittersweet, Japanese barberry, hickory sp., enchanter's nightshade, and smartweed.

**Unit:** 43  
**Acreage:** 0.37  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	>30'			Foot traffic	Soil
Deciduous	Black oak	>30'			Picnic	Trash
Chamaephytes						
Level						
Dry						

**Comments:**

Trampled area with very little understory, except patches of wineberry, bittersweet, and some black cherry regeneration. Asphalt path runs along one side; concrete picnic fixtures also evident (old picnic site). Other trees: pin, red, and white oak, flowering dogwood, and a patch of sweet cherry. Other spp: chives, rose, mulberry 5', white wood aster, blackhaw, Japanese barberry, wood anemone, CSG, path rush, etc.

**Unit:** 44  
**Acreage:** 1.18  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All			Foot traffic	Soil
Deciduous	Pin oak	>30'				Trash
Phanerophytes	Black cherry	5'-30'				Fire
Undulating						
Dry						

**Comments:**

Composition of this forest varies as you traverse the unit. In spots one species may appear more dominant than the other. Unit is interrupted by pin oak unit 45. Fire scars on many of the trees, particularly those close to 45. Quite a bit of flowering dogwood. Understory a mix of black cherry and Sassafras <5", catbrier, arrowwood, and mapleleaf viburnum. Other spp: grey birch, wild grape, bittersweet, Japanese honeysuckle, true and false Solomon's seal, red maple, CSG, rose, wineberry, poison ivy, chives, etc.

**Unit:** 45  
**Acreage:** 0.81  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Slope Dry	Pin oak	>30'			Foot traffic Campfire/ party Horses	Compaction Trash Leaf dump

**Comments:**

Old picnic area of pin oak and its surrounding slopes. Lots of soil compaction and trash. Path rush and CSG on hilltop, black cherry <5' on slopes with arrowwood and viburnum sp., concrete slabs for fire rings. Some large red and black oaks. Police ride horses here sometimes. Dumped leaves and downed trees at western edge of unit. Vegetation <15' hard to decide between chamaephytes, phanerophytes and hemicryptophytes spp: Sassafras, red maple, grey birch, mulberry <5', flowering dogwood, English ivy, tatarian honeysuckle, chives, elderberry, deutiza, etc.

**Unit:** 46  
**Acreage:** 0.15  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Depression Surface water	Red maple	All			Foot traffic	Trash Dumping

**Comments:**

Kettle hole depression with water surrounded by red maple, mostly 5'-30' tall. Little vegetation <15', mostly chives where there is no water. A lot of leaf litter. One large pin oak, two sweetgums, two black tupelo, Siebold viburnum. There is some trash and tires in the water. Arrowwood and honewort also present.

**Unit:** 47  
**Acreage:** 0.52  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black birch	>30'			Foot traffic	Soil
Deciduous	Black oak	>30'			Picnic	Trash
Hemicryptophytes						Fire
Knoll						
Dry						

**Comments:**

Open area of black birch and black oak. Other trees include Sassafras, hickory, sweetgum, white oak, red maple, flowering dogwood, and red oak, but no more than a few of each. The understory contains some black cherry saplings, but not too dense, and lots of herbaceous plants. Other spp: chives, CSG, path rush, true and false Solomon's seal, Rubus, mapleleaf viburnum, Japanese honeysuckle, cinquefoil.

**Unit:** 48  
**Acreage:** 0.42  
**Mgmt. Concern:** No

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

**Comments:**

Steep slope of above species, sloping down from Grand Central Parkway access road. A lot of red maple <5' in understory along with some black cherry <5', arrowwood and Aster. Virtually no birch regeneration. Good amount of intermediate oak. Lots of rock outcrops make this a good place for teens to hang out. Although red maple is usually in wet sites, soil is relatively dry. Other spp: false Solomon's Seal, hickory, flowering dogwood, white oak ( 2 large snags), Sassafras, sweetgum, spicebush, plus a lot of leaf litter. Trash near road.

**Unit:** 49  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	All	Yes	Other	Foot traffic	Soil
Deciduous	Crab apple	5'-30'				
Phanerophytes	Cool season grass	<5'				
Slope						
Dry						

**Comments:**

Old grassy recreation area alongside playground and behind playground bathrooms. Parts of area was a horseshoe toss spot but now has seedlings and saplings growing on it. Small trees growing in other places as well. Holes in fences. Compacted footpaths. Some root exposure. Could be a nice wetland meadow. Other species: clover, butter-and-eggs, etc.

**Unit:** 50  
**Acreage:** 4.59  
**Mgmt. Concern:** No

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

**Comments:**

Recreational sites: Tennis courts, bocci ball court, playgrounds, etc. Scattered throughout the park. Some playgrounds have shade trees, such as London planetree, Norway Maple, and pin oak.

**Unit:** 51  
**Acreage:** 34.27  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Pin oak	>30'			Picnic	
Deciduous	Norway maple	>30'	Yes		Foot traffic	
Hemicryptophytes					Vehicle access	
Undulating						
Dry						

**Comments:**

Landscaped areas of the park. Well maintained, trees pruned, etc. Other spp: Crab apple, white oak, black oak, red oak, willow oak, hickory spp., sweetgum, grey birch, Japanese katsura, American basswood, red maple, Sassafras, white ash, black cherry, American elm, flowering dogwood, sweet cherry, hawthorn spp., etc.

**Unit:** 52  
**Acreage:** 44.99  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'			Sports	Soil
Hemicryptophytes	Clover, alsike	<5'			Foot traffic	
Level						
Dry						

**Comments:**

Ballfields and other assorted playing fields in the park. Well maintained. Other spp: dandelion, chives, path rush, etc.

**Unit:** 53  
**Acreage:** 0.75  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Pin oak	>30'			Foot traffic	Soil
Deciduous	Black cherry	5'-30'			Picnic	Fire
Hemicryptophytes	Sassafras	5'-30'			Campfire/ party	
Slope						
Dry						

**Comments:**

This open woodland occurs on top and down the slope, which is adjacent to a landscaped edge. Besides the above species there are a few hickory spp. and one red maple. There are several concrete picnic bases. The herbaceous species are mostly CSG, path rush, and white wood aster. Other spp: mugwort, blackhaw, arrowwood, Japanese honeysuckle, rose, Rubus, flowering dogwood, crab apple and bittersweet.

**Unit:** 54  
**Acreage:** 0.26  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Rose	5'-30'	Yes	Other	Foot traffic	Soil
Deciduous	Mugwort	<5'	Yes			
Hemicryptophytes	Rubus	5'-30'				
Level						
Moist						

**Comments:**

MC: Good wildlife cover and food. Scrubland of rose, Rubus, and wineberry. Mugwort throughout and on edges. Some black cherry saplings, large red maple deadfall. Old picnic sites, water fountains, and many paths.

**Unit:** 55  
**Acreage:** 0.62  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black cherry	All			Foot traffic	Erosion
Deciduous	Red maple	5'-30'				Soil
Phanerophytes						Trash
Level						
Moist						

**Comments:**

Forest lying at the bottom of a slope where the above two species are codominant. Unit is fairly level although there is a slight incline in part. A lot of erosion and leaf litter, there is little groundcover, but cherry is regenerating. Many meandering paths, a lot of trash, a lot of usage here. MC: could be a nice wet-site for vegetation. A few large pin and black oaks, 5 Sassafras >30'. Other spp: arrowwood, Siebold viburnum, poison ivy, bittersweet, Aster, chives, honewort, Virginia knotweed, rose, wineberry, elderberry, mugwort, etc.

**Unit:** 56  
**Acreage:** 0.54  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	5'-30'			Foot traffic	Deposition
Deciduous	Pin oak	>30'				Erosion
Chamaephytes	White oak	>30'				Trash
Level	Siebold viburnum	5'-30'	Yes			
Moist	Arrowwood	5'-30'				
	Rose	5-30	Yes			

**Comments:**

Woodland with a shrubby understory. Surrounding sloping areas drain into this unit which is close to landscaped portion of the park. Many meandering paths and channels. Deposition evident. Bittersweet growing on rose, viburnum spp., and into some tree crowns. Snags here. Black cherry dying in some spots, regenerating in others. MC: great wildlife area. 5 big white oak, a fair amount of Sassafras and red maple. Siebold viburnum growing rampantly. Lots of trash near old parking lot, and woody debris. Other spp.: chives, burdock, etc.

**Unit:** 57  
**Acreage:** 0.31  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red maple	5'-30'			Foot traffic	
Deciduous	Grey birch	5'-30'				
Phanerophytes	Black oak	5'-30'				
Knoll						
Dry						

**Comments:**

This unit differs from the surrounding forest by having a grey birch population. Mixed in are red maple, black oak, black cherry at the bottom of slope ( and also many seedlings and saplings throughout ) and flowering dogwood, pin oak and Sassafras. Besides black cherry in the understory, there are arrowwood and mapleleaf viburnum. Not much herbaceous cover. Other spp.: true and false Solomon's seal, chives, rose. A chipmunk seen here.

**Unit:** 58  
**Acreage:** 0.43  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All			Foot traffic	Soil Trash
Deciduous	Sassafras	All				
Phanerophytes	Black oak	>30'				
Slope						
Dry						

**Comments:**

Open forest slope with mostly black cherry ( lots of saplings ) and Sassafras. Other trees are black birch, red oak, sweetgum, red maple, flowering dogwood, and pin oak. Other spp: Japanese honeysuckle, true and false Solomon's seal, Rubus, and elderberry.

**Unit:** 59  
**Acreage:** 0.62  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'			Foot traffic	Trash
Deciduous	Black birch	>30'				
Chamaephytes	Sweetgum	>30'				
Level						
Moist						

**Comments:**

This unit primarily the above three trees, with a sprinkling of red maple, Sassafras, white, pin, and red oaks, hickory spp., one large double tulip tree. Regeneration is mostly black cherry. Vegetation <15 is arrowwood, Siebold viburnum and rose. There is a small patch of wild grape and rose on the northeast side near asphalt path. Other spp: flowering dogwood <5' and 5'-30', Japanese honeysuckle, jewelweed, true and false Solomon's seal, white wood aster, Polygonum sp., and elderberry.

**Unit:** 60  
**Acreage:** 0.52  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Trash
Deciduous						Soil
Hemicryptophytes						Dumping
Level						
Surface water						

**Comments:**

A really nice wet sweetgum forest. Very little trash and dumping, soil compaction only on paths. Lots of sweetgum regeneration, spicebush, lots of jewelweed, white wood aster, patches of wild leek and wild geranium, false nettle near edge of water, red oak and red maple. Other spp: chives, rose, Viburnum sp., poison ivy, elderberry, true and false Solomon's Seal.

**Unit:** 61  
**Acreage:** 0.25  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'		Tree well	Foot traffic	Trash
Deciduous	White oak	>30'				Erosion
Chamaephytes	Hickory spp.	>30'				Soil
Slope	Spicebush	5'-30'				
Dry	Red maple	5'-30'				
	Red oak	>30'				

**Comments:**

Closed forest of mixed species. Partially sloping. Other trees include black birch, sweetgum, mulberry. Other spp: Lots of spicebush, witch hazel, rose, white wood aster, Aster sp., chives, Siebold viburnum, flowering dogwood, black cherry < 5', true and false Solomon's seal.

**Unit:** 62  
**Acreage:** 0.16  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				Erosion
Deciduous	Witch hazel	5'-30'				Trash
Chamaephytes						
Slope						
Dry						

**Comments:**

Thin steeply sloping unit of sweetgum bordering the edge of Francis Lewis Boulevard. Lots of witch hazel and shadbush mixed in. Some red oak, black cherry, black birch, and spicebush. Other spp: white wood aster, chives, pine sp.

**Unit:** 63  
**Acreage:** 2.15  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest					Parking lot Forestry	Trash Dumping
Level						
Dry						

**Comments:**

Old parking lot used as a temporary place to leave woody debris from forestry crews. Eventually debris is carried away in large metal containers. Logs present along landscaped borders; also metal bollards, fencing, and a gate with a lock.

**Unit:** 64  
**Acreage:** 0.19  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Hickory spp.	>30'			Foot traffic	Erosion
Deciduous	Flowering dogwood	5'-30'				Trash
Hemicryptophytes						Soil
Level						
Dry						

**Comments:**

Small closed forest mainly composed of hickory with some scattered flowering dogwood. MC: Could be a nice edge with lots of hickory regeneration but too much disturbance here. Mugwort, Aster, chives, and CSG are most of groundcover, but there's a lot of shrubs (rose and viburnum) and catbrier. A lot of rocky debris in soil. Whatever had been regenerating ( tree/shrubs) has been cut. Other spp: sweet and black cherry, Norway maple, some large pin oaks, and red oak >30'.

**Unit:** 65  
**Acreage:** 0.45  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	5'-30'			Foot traffic	Soil
Deciduous	Pin oak	>30'				Trash
Chamaephytes	Sassafras	5'-30'				
Slope	Jet black bead	<5'	Yes			
Dry						

**Comments:**

Gently sloping forest with a fairly even mix of the above three species. A good deal of foot traffic, trash, Viburnum and black cherry <5'. One section of unit is devoid of understory / groundcover: it may flood at times. A fair amount of hickory, two large snags, and a lot of rocky outcrops. Nothing regenerating well, just the cherry. Other spp: true and false Solomon's seal, chives, wineberry, mulberry, flowering dogwood, black birch, red and white oak, sweetgum >30', Japanese honeysuckle, catbrier, Virginia knotweed, mugwort, Aster, rose, sweet cherry.

**Unit:** 66  
**Acreage:** 0.92  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Full-crown tree	Foot traffic	Trash
Deciduous	Sassafras	5'-30'		Tree well	Vehicle access	Soil
Chamaephytes	Black oak	>30'		Exotic		Dumping
Level	Black birch	>30'				
Dry	Dogwood spp.	5'-30'				

**Comments:**

Closed forest of oak and Sassafras leading toward underpass beneath Francis Lewis Boulevard. Area is full of trash and many foot paths. Lianas growing up on some trees, specifically near underpass. Other spp: hickory spp., black cherry, Norway maple, sweetgum, arrowwood, Viburnum sp., rose, Rubus, elderberry, aster, chives, bittersweet, jewelweed, garlic mustard, etc. MC: Because of trash and dumping of woody debris.

**Unit:** 67  
**Acreage:** 0.74  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black birch	>30'		Tree well	Vehicle access	Trash
Deciduous	Red oak	>30'				Dumping
Chamaephytes	Sweetgum	>30'				
Level						
Dry						

**Comments:**

Unit bordered on two sides by roads. There are large black birch and red oak, and some large sweetgum, especially along Francis Lewis Boulevard. There is quite a bit of understory, particularly spicebush along Francis Lewis and arrowwood over the rest of the area. Other spp: Flowering dogwood, mapleleaf viburnum, poison ivy, Aster, rose, Japanese honeysuckle, hickory spp., black cherry, Rubus, pokeweed, chives, false Solomon's Seal, black oak, sycamore maple, Sassafras, a large tulip tree, garlic mustard, and Siebold viburnum.

**Unit:** 68  
**Acreage:** 0.75  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	5'-30'		Tree well		Trash
Deciduous	Pin oak	>30'				Fire
Phanerophytes	Black cherry	5'-30'				
Level	Red oak	>30'				
Dry	Sweetgum	5'-30'				
	Red maple	5-30'				

**Comments:**

Closed forest of Sassafras, pin oak >30', black cherry, and some large red oak. Sweetgum and red maple occur in patches. Unit slopes down from Francis Lewis Boulevard. Small fire evident. Clump of rose near road. Groundcover of jewelweed, Japanese suckle, Aster, poison ivy, and false Solomon's seal. Planted oaks. One sweet cherry >30'. Other sp. arrowwood, viburnum sp., sycamore maple < 5', elderberry, cornelian cherry, crab apple, chives, true Solomon's Seal, bittersweet and wild grape.

**Unit:** 69  
**Acreage:** 0.72  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'		Full-crown tree		Trash
Deciduous	Black cherry	5'-30'		Exotic		
Phanerophytes	Shadbush	5'-30'				
Knoll	Grey birch	5'-30'				
Dry	Flowering dogwood	5'-30'				

**Comments:**

Woody knoll in the middle of landscaped area. Understory of shadbush, rose, jet black bead, and black cherry <5'. Some clear areas ( without understory). Lots of leaf litter. Vines on trees: Catbrier, bittersweet, and wild grape. Other spp: black and red oak, sweetgum >30', false Solomon's seal, arrowwood, Japanese honeysuckle, etc.

**Unit:** 70  
**Acreage:** 0.72  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'		Full-crown tree	Picnic	Trash
Deciduous	Black cherry	All				Vandalism
Chamaephytes	Red oak	>30'				
Level	Sassafras	5'-30'				
Dry	Grey birch	5'-30'				

**Comments:**

Woodland much like unit 69 but much more open, a lot more hemicytphytes and chameophytes, and much more disturbance (i.e. picnicking). Unit becomes more dense towards garage fence, a lot of Sassafras here. Shrubs include rose, honeysuckle sp., privet sp. Other species: Austrian pine, Norway spruce, black locust, crab apple, hawthorn, sweet cherry, Japanese honeysuckle, catbrier, chives, Aster, CSG, mugwort, dandelion, mustard sp., poison ivy.

**Unit:** 71  
**Acreage:** 1.62  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	5'-30'		Footpath		Fire
Deciduous	Pin oak	>30'				
Phanerophytes	Sassafras	5'-30'				
Slope	Black oak	>30'				
Dry	Rose	<5'	Yes			

**Comments:**

Forest of oak, black cherry, and Sassafras, with lots of black cherry regeneration and a great deal of rose. Unit is hard to walk through in parts, a lot of bittersweet and wild grape toward the end. Middle of unit is fairly open. Lots of arrowwood and blackhaw. Other spp: Japanese honeysuckle, jet black bead, tulip tree, hickory spp., flowering dogwood, false Solomon's seal, wild lily-of-the-valley, poison ivy, sweet cherry, aster, chives.

**Unit:** 72  
**Acreage:** 2.44  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest					Garage Vehicle access	
Slope						
Dry						

**Comments:**

Cunningham garage, employee parking, and forestry located here.

**Unit:** 73  
**Acreage:** 1.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Black locust	5'-30'	Yes	Exotic	Vehicle access	Trash
Deciduous	Cool season grass	<5'				Dumping
Hemicryptophytes	Bedstraw	<5'				
Slope						
Dry						

**Comments:**

Steep slope between Hollis Hills Terrace and Clearview Expressway. A large part of the unit is full of old dead sumac. Black locust is coming in naturally. There is dumping along Hollis Hills Terrace, above the fence. Planted trees include scattered hawthorn and crab apple. Other spp: Japanese honeysuckle, mugwort, Aster, Norway maple, black birch, sycamore maple, black chokeberry, chives, rose, and bittersweet.

**Unit:** 74  
**Acreage:** 0.82  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Fragrant sumac	<5'		Exotic	Vehicle access	Vandalism
Deciduous						
Chamaephytes						
Slope						
Dry						

**Comments:**

Steep slope of black locust/black oak leading down to Clearview Expressway. Thick understory of various shrubs which also includes black chokeberry. A fair amount of sweetgum and some tulip tree 5'-30'. Mugwort grows close to highway. Unit bordered upslope by a fence. Bittersweet grows heavily in patches. Other spp: wineberry, Japanese honeysuckle, mugwort, CSG, Aster, crabapple, hawthorn, dead sumac clumps, a patch of Ailanthus, black cherry, sweet cherry, etc.

**Unit:** 75  
**Acreage:** 0.44  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	>30'		Landfill	Vehicle access	Dumping
Deciduous	Sweetgum	5'-30'				Trash
Phanerophytes	Sassafras	5'-30'				
Level	Tulip tree	>30'				
Dry	Red maple	5'-30'				
	Sycamore maple	5'-30'	Yes			

**Comments:**

Small forest with mixed species listed above. Not much regeneration, just sycamore maple. A great deal of leaf litter, several inches thick that people have dumped. Fence runs through unit. Other spp: Norway maple, black locust, chives, poison ivy, wineberry, Aster, deadly nightshade.

**Unit:** 76  
**Acreage:** 1.04  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Vehicle access	Dumping
Deciduous	Black birch	5'-30'			Foot traffic	Trash
Phanerophytes	Dogwood spp.	5'-30'				
Level	Sweetgum	>30'				
Dry	Tulip tree	>30'				
	Sassafras	5'-30'				

**Comments:**

Red oak forest with 4 or 5 large tulip trees, and quite a bit of flowering dogwood, sweetgum <15', and black birch. Not much regeneration. A lot of rocky outcrops, fence borders unit. Also, a ten-foot border of leaves and woody debris along Hollis Hills Terrace. There is a fair amount of sweet cherry and black oak. Sycamore maple growing near road. Other spp: Norway maple, hickory <30', black cherry <5', Aster, chives, false Solomon's seal, red maple, Japanese honeysuckle, garlic mustard. MC: Dumping at unit edge and lack of regeneration.

**Unit:** 77  
**Acreage:** 1.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All			Foot traffic	Soil
Deciduous	Red maple	All				Dumping
Hemicryptophytes						Trash
Slope						
Moist						

**Comments:**

Predominately red maple and sweetgum, some sweet cherry in a pocket, hickory spp., tulip tree, black cherry, black birch, and flowering dogwood scattered throughout. Understory pretty open, with some regeneration of above trees, but mostly herbaceous such as Aster, ferns, true and false Solomon's seal, and garlic mustard. Other spp: wild geranium, sweet pepperbush, American elm, Sassafras, chives, Virginia knotweed, and rue-anemone.

**Unit:** 78  
**Acreage:** 0.33  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Vehicle access	Dumping
Deciduous	White oak	>30'				Trash
Phanerophytes	Hickory spp.	>30'				
Knoll	Black oak	>30'				
Dry						

**Comments:**

Unit on hill bordered by Hollis Hills Terrace. There are more red maples on the steep slope down to the road. Understory is mainly black cherry, mapleleaf viburnum, Rhododendron sp, and sweet pepperbush. In most of the unit understory is phanerophytes, but where it slopes toward a moist areas westward there are more chamaephytes. Other spp: flowering dogwood, black birch, tulip tree, red maple, sweetgum, Norway maple, Aster, Rubus, wild grape, rose, Virginia creeper, sedge sp, wild lily-of-the-valley, true and false Solomon's seal.

**Unit:** 79  
**Acreage:** 0.26  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	5'-30'		Fence	Vehicle access	Auto
Deciduous	Sassafras	5'-30'			Campfire/ party	Fire
Chamaephytes					Foot traffic	Dumping
Slope						
Dry						

**Comments:**

Unit is mostly sweetgum and Sassafras. There are a few red oak and some black birch, flowering dogwood, and black cherry. Not much understory except for a large patch of sweet pepperbush and Rhododendron sp. Other spp.: hickory, red maple, American beech (1), Aster, ferns, moss, sedge sp., mapleleaf viburnum, true and false Solomon's seal, chives, crab apple.

**Unit:** 80  
**Acreage:** 0.89  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Mugwort	<5'	Yes	Landfill	Foot traffic	
	Cool season grass	<5'		Fence	Horses	
Hemicryptophytes						
Undulating						
Moist						

**Comments:**

Unit borders Clearview Expressway, and contains an overgrown fenced bridle/foot path leading to overpass walkway. To the east of the expressway there is a moist muddy depression. Grass is in the wettest area and the rest is covered with mugwort. Rose, arrowwood, and sapling along unit edge. Crab apples along path may be planted. East of expressway has flowering dogwood, smooth sumac along bridle path, some wild grape on trees and fence. Other spp: jewelweed, wintercress, Japanese knotweed, yarrow, aster, garlic mustard, Rubus, rose, etc.

**Unit:** 81  
**Acreage:** 0.31  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Japanese honeysuckle	5'-30'	Yes			
Deciduous	Bittersweet	<5'	Yes			
Lianas	Dogbane	<5'				
Slope						
Moist						

**Comments:**

Lianaland at the end of a herbaceous meadow like unit. There is a wet gully through unit. MC: May want to manage vineland as a wildlife area next to meadow, and stop its encroachment. Japanese honeysuckle is growing over sumac, and prostrate over ground. Other spp: rose, Rubus, dogbane, everlasting pea, mugwort, CSG, poison ivy, common evening primrose.

**Unit:** 82  
**Acreage:** 0.43  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Red oak	All		Exotic	Vehicle access	Trash
Deciduous	Sassafras	5'-30'		Paved path		Dumping
Phanerophytes	Black oak	All				
Slope						
Dry						

**Comments:**

Formerly landscaped edge of Clearview Expressway (crab apple, hemlock, dogwood) now becoming colonized by forest trees. Mostly the above trees, but also sweetgum <5, 5'-30', >30', and black cherry. Other spp: weeping willow, eastern cottonwood, blackhaw, sweet pepperbush, swamp leucothoe, wild geranium, goldenrod, aster, ferns, mugwort, and wild oats.

**Unit:** 83  
**Acreage:** 0.27  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	All		Full-crown tree	Foot traffic	
Deciduous	Black oak	All				
Chamaephytes						
Undulating						
Moist						

**Comments:**

Woodland of large oaks. The edge was probably once mowed since it borders the crosswalk over the Clearview. Now it is an open grassy area (CSG, path rush, grass-leaved rush) becoming overgrown with many chamaephytes and a mix of tree species. Other spp. Swamp leucothoe, Rhododendron sp., sweet gum, hickory spp., Sassafras, tulip tree, black birch, flowering dogwood, white wood aster, wild sarsaparilla, etc.

**Unit:** 84  
**Acreage:** 0.35  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30'				Trash
Deciduous	Red oak	>30'				Dumping
Phanerophytes	Red maple	All				
Undulating	Hickory spp.	>30'				
Moist						

**Comments:**

Unit with slight rises and depressions, with the depressions being moist and dark. There is very little herbaceous groundcover. There are a few black oak >30'. Other spp: Aster, Japanese honeysuckle, fern, true and false Solomon's seal, wild geranium, Jack-in-the-pulpit, blackhaw, sweet pepperbush, chives, black cherry <5,>5', Sassafras, and wild grape.

**Unit:** 85  
**Acreage:** 0.92  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	5'-30'	Yes	Exotic	Vehicle access	Dumping
Deciduous	Red oak	>30'				Trash
Phanerophytes	Sassafras	5'-30'				Dumping
Slope						
Dry						

**Comments:**

Very disturbed forest edge along Hollis Hills Terrace, south of Union Turnpike. Most of the debris is leaves, branches, etc, but dumping and trash are evident. Area slopes toward forest and street. Older red oaks present, not regenerating. MC: disgusting border to park. Other spp: Sweetgum, tulip tree, hickory spp., garlic mustard, Ailanthus, Pachysandra, mugwort, bittersweet, black birch, English ivy, red maple, flowering dogwood, rose, wineberry, Jack-in-the-pulpit, deadly nightshade, wild grape, wild geranium, ferns.

**Unit:** 86  
**Acreage:** 0.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				
Deciduous	Red oak	All				
Chamaephytes						
Slope						
Moist						

**Comments:**

Area slopes down to a large pool of standing water. There is a lot of sweetgum regeneration and a few small clusters of black birch, mostly 5'-30'. There are large red oaks on the upper part of slope. At edge of unit there is an open area with CSG, lots of sweetgum <5', and some oak <5' and black cherry. Other spp: flowering dogwood, Sassafras, black cherry, tulip tree <30', maple leaf viburnum, ferns, red maple, aster, Rubus.

**Unit:** 87  
**Acreage:** 0.54  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweet pepperbush	5'-30'				
Deciduous	Sweetgum	All				
Chamaephytes						
Depression						
Surface water						

**Comments:**

Pond with mostly sweetgum, a few maple, pin oak and red oak growing in water. Also, highbush blueberry and sweet pepperbush growing in water and on edge. Buttonbush and false nettle growing in pond. Lots of wildlife sighted. Many trees with holes at base.

**Unit:** 88  
**Acreage:** 1.83  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red oak	All			Foot traffic	
Deciduous	Sweet pepperbush	<5'				
Chamaephytes	Mapleleaf viburnum	<5'				
Undulating						
Moist						

**Comments:**

A large undulating unit with a ridge running through it and adjacent to a number of pools of standing water. Several paved and unpaved paths. Much of understory, particularly along higher ground, is dense with chamaephytes, especially sweet pepperbush and mapleleaf viburnum. Some tree regeneration. Other spp: day lily, wild oats, wild sarsaparilla, Aster, Rhododendron, swamp leucothoe, false and true Solomon's seal, black birch, American beech, red maple, sweetgum, black oak, flowering dogwood, tulip black cherry, spotted wintergreen, etc.

**Unit:** 89  
**Acreage:** 0.60  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Mugwort	5'-30'	Yes		Vehicle access	Dumping
	Crabapple	5'-30'				Trash
Hemicryptophytes	White poplar	5'-30'	Yes			
Slope	Ailanthus	5'-30'	Yes			
Dry						

**Comments:**

Old field which will probably revert to woodland. Ailanthus and white poplar growing in two spots, crab apple is small, but present throughout unit. A few red and pin oak. A lot of variety including rose, wineberry, blackhaw, sweetgum, Rubus, dogbane, bittersweet, poison ivy, Japanese honeysuckle, dandelion, Queen Anne's lace, smooth sumac, whorled loosestrife, Aster, clover, black birch. Most of unit is not accessible. MC: manage for old field wildlife area.

**Unit:** 90  
**Acreage:** 0.59  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Sweetgum	All				
Deciduous	Red maple	All				
Phanerophytes	Red oak	>30'				
Slope						
Moist						

**Comments:**

Unit slopes from ridge down to depression containing a series of pools of standing water. Numerous regenerating trees and a few older ones, especially red oaks. Black birch is mainly in a patch near the "Middle pool". White poplar in a clump near edge toward landscaped unit near Clearview Expressway. Other trees: black cherry, American beech, black oak, pin oak (in water), grey birch, black willow (1), Sassafras, flowering dogwood, hickory spp., tulip tree. Other spp.: sweet pepperbush, mapleleaf viburnum, wild sarsaparilla, Rhododendron sp., etc.

**Unit:** 91  
**Acreage:** 0.30  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'		Bridle path	Foot traffic	
Deciduous	Flowering dogwood	5'-30'				
Chamaephytes	Tulip tree	All				
Depression	Hickory spp.	All				
Surface water	Black birch	5'-30'				
	Sweet pepperbush	5'-30'				

**Comments:**

Fairly large closed forest of red oak differing from adjacent unit 88 in that the overstory is very mixed. Also, lots of red maple and sweetgum present. Understory is open in spots (near pond and roads) or thick with black cherry (<5'), mapleleaf viburnum or sweet pepperbush. Area near 90 quite a mix of regenerating species. MC: fairly disturbed (trash) near roads. Other spp.: lots of wild oats and wild sarsaparilla, true and false Solomon's seal, Aster, Lady's thumb, blackhaw, sweetgum, Rhododendron sp., Sassafras, black oak, arrowwood, blackhaw, etc.

**Unit:** 92  
**Acreage:** 0.30  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	>30'				
Deciduous	Sweetgum	>30'				
Chamaephytes	Red maple	>30'				
Depression						
Surface water						

**Comments:**

Unit is a depression filled with standing water. Quite a bit of wildlife present, including mallards, pheasants and other birds. Trees tend to grow on outer edges where the water is more shallow. Other trees: red oak (2), Sassafras (1), and hickory spp. (1). Some sweet pepperbush, Viburnum spp., Rhododendron sp., and buttonbush growing on the edge of the pond.

**Unit:** 93  
**Acreage:** 0.89  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'				Trash
Deciduous	Sassafras	5'-30'				
Phanerophytes	Sweetgum	>30'				
Depression	Flowering dogwood	5'-30'				
Moist	Hickory spp.	5'-30'				

**Comments:**

Most of unit leads to, or is in, a depression, which is dry now, but looks as though it holds water. Lots of trash (MC) especially cans and bottles that have been dumped. Unit is bordered by fence on the Clearview Expwy sides. In the lowest (wettest) areas are sweetgum. There are also several crab apples growing along the edge of the fence. Other spp.: Aster, poison ivy, Chives, garlic mustard, ferns, wild geranium, wild oats, blackhaw, sweet pepperbush, mapleleaf viburnum and a few large tulip trees and black oaks.

**Unit:** 94  
**Acreage:** 0.44  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Crab apple	>30'			Landfill	
Mixed	Black locust	<5' & >30'	Yes		Exotics	
Chamaephytes	Austrian pine	<5' & >30'	Yes			
Slope						
Dry						

**Comments:**

An unmaintained planted slope of the Clearview Expressway. Mostly deciduous trees, but a few Austrian pines. Most of the sumac is dead. On east side of the expressway slope the understory is mostly fragrant sumac, there are some planted hawthorns, wineberry and black birch. Other spp.: flowering dogwood, grey stem dogwood, Norway maple, red oak, Ailanthus, mugwort, dandelion, rose, bittersweet, poison ivy and dogbane.

**Unit:** 95  
**Acreage:** 0.31  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland						
Level						

**Comments:**

All buildings in Cunningham Park: Cunningham office, old concession stand, tennis center, comfort stations, and day care center.

**Unit:** 96  
**Acreage:** 0.48  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Mugwort	<5'	Yes	Landfill		Dumping
	Ailanthus	<5'	Yes			Trash
Hemicryptophytes	Rubus	<5'				
Slope	Bittersweet	<5' & 5-30'	Yes			
Dry						

**Comments:**

Field of mixed species, extending from Francis Lewis Blvd along the Grand Central Pkwy. Mugwort is barely dominant. Ailanthus mostly under <15'. Community structure and species composition is changing. Quite a bit of Rubus, rose and bittersweet growing in clumps, on slope towards unit 97. CSG scattered throughout. Chives abundant in one area. MC: Due to nice mixed edge that is great for wildlife. A falcon and rabbit hole sighted. Other spp: wintercress, sweetgum, St. John's wort, Aster, English plantain, Virginia creeper, 2 crabapple, etc.

**Unit:** 97  
**Acreage:** 0.99  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Red oak	All		Soil pits	Foot traffic	Trash
Deciduous	Sweetgum	All				Dumping
Hemicryptophytes	Flowering dogwood	5'-30'				
Slope						
Moist						

**Comments:**

Forest in traffic island, with a good mix of trees species. Understory mostly open with white wood aster abundant. Sassafras, black locust growing on edges. On slope towards Francis Lewis Blvd. and ramp there is planted witch hazel and Carolina silverbell. Other spp.: black birch, pin oak, sweet cherry, black tupelo, black cherry, hickory spp., red maple, tulip tree, False Solomon's Seal, blackhaw, Ailanthus, horsebalm, American elm. Many exposed rocks and boulders.

**Unit:** 98  
**Acreage:** 0.36  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Soil pits	Campfire/ party	Trash
Deciduous	Rubus	<5'				
Chamaephytes	Ailanthus	5'-30'	Yes			
Level						
Moist						

**Comments:**

Mostly open area with Rubus, Ailanthus, and elderberry understory. Other scattered trees include black birch, sweetgum, mulberry, tulip tree, red maple, Sassafras and black cherry. Also growing is white wood aster, false Solomon's seal, wineberry, rose, ferns (lady, interrupted, sensitive), and wild oats.

**Unit:** 99  
**Acreage:** 0.68  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All		Exotic	Vehicle access	Trash
Deciduous	Red maple	5'-30'				Dumping
Phanerophytes						
Level						
Wet						

**Comments:**

In a traffic island. Closed forest with several pools of standing water. Red maple and black tupelo ( both regenerating). Black cherry (<5') and a few large pin oaks. Other trees: flowering dogwood, black birch. Lots of trash and dumping on edge of exit ramp. Other spp.: ferns, false and true Solomon's seal, elderberry, wild lettuce, Aster, jewelweed, wild lily-of-the valley (large patch), money tree, and white wood aster.

**Unit:** 100  
**Acreage:** 0.19  
**Mgmt. Concern:** No

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

**Comments:**

Sloping forest of Ailanthus which surrounds unit 102, and at one point is interrupted by it. Japanese honeysuckle dominates the groundcover. Trash from road; sidewalk borders unit. Other spp: Sassafras (<30'), elderberry, bittersweet, Rubus, patch of grey stem dogwood, red oak (<30), sweetgum (<30'), and Aster.

**Unit:** 101  
**Acreage:** 0.50  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All		Paved path		Trash
Deciduous	Red oak	>30'				
Phanerophytes	Flowering dogwood	5'-30'				
Undulating						
Dry						

**Comments:**

Sweetgum dominates with significant amounts of other two above species. Open patches where wild grape is growing rampantly and extending into the trees. Unit on top of slope. Buried asphalt path here. Groundcover: Japanese honeysuckle and Aster. Flowering dogwood along western edge. Other spp: hickory spp., grey stem dogwood, poison ivy, wild sarsaparilla, blackhaw, witch hazel, goldenrod, black cherry, true and false Solomon's seal, elderberry, red maple, Ailanthus, black birch, Sassafras, and horsebalm. Very little oak regeneration.

**Unit:** 102  
**Acreage:** 0.62  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'		Exotic	Vehicle access	Trash
Deciduous	Black oak	>30'				Dumping
Hemicryptophytes	Flowering dogwood	5'-30'				
Undulating	Hickory spp.	5'-30'				
Dry						

**Comments:**

Undulating forest with many large oaks ( more oaks <30' on west side). Flowering dogwood sprinkled evenly throughout with occasional hickory spp. Understory mostly open with white wood aster, false and true Solomon's seal, Aster, horsebalm and whorled loosestrife. Other trees: red maple, Sassafras, sweetgum, black birch, sweet cherry, tulip tree, pin oak, mulberry, and black cherry. Along edge of road are planted witch hazel, blackhaw, and grey stem dogwood. Other spp.: sweet pepperbush, Rubus, jewelweed, poison ivy, chives, elderberry, etc.

**Unit:** 103  
**Acreage:** 2.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes	Exotic	Foot traffic	Trash
Deciduous	Sweetgum	5'-30'		Culvert	Vehicle access	Dumping
Chamaephytes	Smooth sumac	5'-30'				
Slope	Blackhaw	5'-30'				
Dry	Crabapple	5'-30'				
	Red oak	5'-30'				

**Comments:**

Woodland with shrub thicket understory, lots of planted ornamentals gone wild. Lots of black locust and patches of sweetgum. Other spp: black cherry, shining sumac, fragrant sumac, five-leaved aralia, grey stem dogwood, bittersweet, forsythia, red maple, Ailanthus, Calycanthus, Rubus, sycamore maple, London plane tree, eastern cottonwood, hickory spp., tulip tree, black birch, and a few Eastern hemlock. Understory of dense shrubs. Other spp: white wood aster, goldenrod, Virginia creeper, yarrow, wild grape, bedstraw, etc.

**Unit:** 104  
**Acreage:** 0.65  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All				Dumping
Deciduous	Black willow	All				Trash
Chamaephytes	Buttonbush	5'-30'				
Depression	Phragmites	<5'				
Surface water	Nightshade, common	<5'	Yes			

**Comments:**

Very still pond bordered on one side by Clearview Expressway. Several black willows with amazing adventitious roots. Lots of buttonbush encircling pond. MC: Phragmites and a good bit of deadly nightshade filling in south side of pond. Lots of birds seen here. Other spp: bittersweet, common mullein, wintercress, Japanese honeysuckle, wild lettuce, American sycamore, bindweed, Rubus, rose, pokeweed, and polygonum spp.

**Unit:** 105  
**Acreage:** 0.21  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	All				
Deciduous	Sweetgum	5'-30'				
Phanerophytes	Hickory spp.	5'-30'				
Slope						
Dry						

**Comments:**

Unit on slope, dominated by large red oak, a few large sweetgum and many younger hickory and sweetgum. Lots of regeneration. Also some flowering dogwood, red maple and black cherry. Ground cover very sparse, mostly leaf litter, but also some aster, true and false Solomon's seal, mapleleaf viburnum, Rubus and wild grape. A few black locust are growing along the fence at edge of the unit.

**Unit:** 106  
**Acreage:** 0.46  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'				
Deciduous	Red maple	5'-30'				
Chamaephytes	Flowering dogwood	5'-30'				
Slope	Red oak	>30'				
Dry	Ailanthus	5'-30'	Yes			
	Hickory spp.	>30'				

**Comments:**

Woodland on a steep slope; species very mixed. Other trees include black and sweet cherry, tulip tree, crab apple, mulberry, pin oak, grey and black birch, American chestnut with root suckers, American sycamore. Understory chamaephytes: mapleleaf viburnum, arrowwood and Rubus. Other spp: Virginia creeper, false Solomon's Seal.

**Unit:** 107  
**Acreage:** 2.74  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All		Stone block	Foot traffic	Fire
Deciduous	Red oak	>30'			Vehicle access	Dumping
Phanerophytes	Black oak	>30'				
Undulating						
Moist						

**Comments:**

Closed forest almost entirely sweetgum. Some large black, red, and white oak. Most of forest floor barely vegetated with herbaceous plants. About half a dozen eastern hemlock, some black birch, red maple, flowering dogwood, hickory spp., and black tupelo. One asphalt path running through and another one down one side of unit. Several concrete and stone blocks present here. Chain link fence bordering part of unit is broken allowing access from Clearview Expwy. Other spp: true and false Solomon's seal, white wood aster, mapleleaf viburnum, etc.

**Unit:** 108  
**Acreage:** 10.90  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Fire
Deciduous	Sweetgum	All			Campfire/ party	Soil
Chamaephytes	Tulip tree	>30'				
Undulating	Black oak	>30'				
Dry	Red maple	All				
	Flowering dogwood	5'-30'				

**Comments:**

Lots of large oaks, large tulip trees and sweetgums of many ages. Some large red maple, but most red maple and flowering dogwood <30'. Many openings; in some are Ailanthus, Sassafras and ferns, but usually Rubus. Other spp.: Virginia creeper, white aster, poison ivy, false and true Solomon's seal, Virginia knotweed, horsebalm, white snakeroot, whorled loosestrife, white oak, hickory spp., black cherry, sweet cherry, and black locust. Many fires in this area.

**Unit:** 109  
**Acreage:** 0.80  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Phanerophytes Level Dry	Sassafras Sweet cherry	All >30'	Yes	Paved path	Campfire/ party	Fire

**Comments:**

Two areas of sweet cherry and Sassafras make up this unit. Burned in one area. Many Sassafras seedlings and saplings. A lot of herbaceous cover: mostly white wood aster, Virginia creeper, and ferns. There are very few trees of other species besides those above; these include red maple, flowering dogwood, white oak, and red oak. In one area there are wild grape vines in a few trees. Other species: arrowwood, enchanter's nightshade, false and true Solomon's seal, Japanese honeysuckle, Virginia knotweed, American hazelnut, horsebalm, spicebush.

**Unit:** 110  
**Acreage:** 0.88  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Moist	Sweetgum Red maple	>30' >30'			Campfire/ party	

**Comments:**

Lots of sweetgum, less red maple, several pin oaks. The very few other trees included: Sassafras, hickory spp., tulip tree. Lots of herbaceous ground cover: Virginia creeper, poison ivy, white wood aster, wild lily-of-valley, false and true Solomon's seal, ferns, Japanese honeysuckle, whorled loosestrife, Rubus, bittersweet, wild geranium, jet black bead, spicebush, Virginia knotweed, and goldenrod.

**Unit:** 111  
**Acreage:** 1.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Soil pits	Foot traffic	Soil
Deciduous	Red oak	>30'				Trash
Phanerophytes	Flowering dogwood	5'-30'				
Slope						
Dry						

**Comments:**

Sloping forest of mostly sweetgum but quite a lot of large red oaks also. Many flowering dogwoods also mixed in. Some black oak and black birch. Other trees not as abundant include: red maple, hickory spp., white oak, sweet cherry, tulip tree and Sassafras. Herbaceous cover mostly very sparse except on slope. Other species: wild sarsaparilla, ferns, Virginia creeper, false and true Solomon's seal, Maple leaf viburnum, white wood aster, Japanese honeysuckle, whorled loosestrife and white baneberry.

**Unit:** 112  
**Acreage:** 0.13  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	5'-30'		Landfill	Vehicle access	
Deciduous	Crabapple	5'-30'				
Lianas						
Slope						
Dry						

**Comments:**

Unit consists of three physically separate areas near the edge of the Grand Central Pkwy. Understory: mixed lianas (Virginia creeper and poison ivy especially) and herbaceous plants. In the area where the trees are most dense there is almost no understory. Other spp: common milkweed, CSG, dogbane, red oak (<5'), sweetgum (<10'), Rubus, Japanese honeysuckle, Virginia knotweed and deadly nightshade.

**Unit:** 113  
**Acreage:** 0.41  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Staghorn sumac	5'-30'			Landfill	
Deciduous	Rubus	<5'				
Lianas	Bittersweet	All	Yes			
Knoll	Sweetgum	5'-30'				
Dry	Ailanthus	All	Yes			

**Comments:**

Staghorn sumac dominates this area. The major part of the unit is on a knoll bordering the Grand Central Pkwy. The slope near unit 107 ( mostly sweetgum) consists of Virginia creeper, enchanter's nightshade, with some Ailanthus and Rubus. The middle of the knoll has some sweetgum. A smaller part of the unit has a staghorn sumac grove bordering the Grand Central Pkwy--half are dead. Other species: chives, Rubus, goldenrod, pokeweed, deadly nightshade, Japanese barberry, wild lettuce, bittersweet, rose, poison ivy, black cherry, and horsebalm.

**Unit:** 114  
**Acreage:** 0.15  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Japanese knotweed	5'-30'	Yes		Landfill	
Geophytes						
Level						
Moist						

**Comments:**

Dense area of Japanese knotweed on edge of built up landfill before the forest ( units 115 and 116 are also on this landfill). Other species: jewelweed.

**Unit:** 115  
**Acreage:** 0.44  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Mugwort	<5'	Yes	Landfill	Foot traffic Bike/ atv	Soil Dirt bike
Hemicryptophytes Level Moist						

**Comments:**

Mugwort edge of meadow unit 116. Some goldenrod, Rubus, CSG, wintercress, garlic mustard, 1 Ailanthus, sweet clover on edges. Management concern to hold back its invasion into meadow unit.

**Unit:** 116  
**Acreage:** 0.23  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Cool season grass Goldenrod	<5' <5'		Landfill	Foot traffic	Soil
Hemicryptophytes Level Wet						

**Comments:**

Nice grassy meadow. Contains other herbaceous species: Queen Anne's lace, sweet clover, wintercress, aster, yarrow, butter-and-eggs, and mugwort. Some Rubus and rose in center of unit. In some very wet spots there are some sweetgum saplings (<5'). MC: one of the few meadow units in Cunningham park, mugwort moving in on one side, shrubs on the other. Other spp: great ragweed, dandelion, red clover.

**Unit:** 117  
**Acreage:** 5.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Red oak	>30'			Foot traffic	Fire
Deciduous	Sweetgum	>30'			Campfire/ party	
Phanerophytes	Black birch	>30'				
Undulating	Flowering dogwood	5'-30'				
Dry						

**Comments:**

Red oak forest with closed canopy. Lots of sweetgum and black birch mixed in. Some small dead/dying flowering dogwood. Very few other trees besides hickory spp., red maple, tulip tree, white and black oak. Little ground cover, mostly leaf litter and scattered patches of false and true Solomon's seal, wild lily-of-the-valley, wild sarsaparilla, white wood aster, and whorled loosestrife. In open areas there are ferns, including a large open area with Ailanthus, black locust, and Sassafras. One area with a depression. Fire scars and campfires present.

**Unit:** 118  
**Acreage:** 0.84  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Fence	Foot traffic	Erosion
Deciduous	Sweetgum	All		Tree well		Soil
Phanerophytes	Hickory spp.	All				Fire
Undulating	Flowering dogwood	5'-30'				
Moist	Red maple	5'-30'				

**Comments:**

Disturbed woodland along the edge of Clearview Expwy. Fence poles are up, but no fencing. Many large paths run through area. Wet along bottom of slope, drier on top. Red oak and sweetgum in almost equal amounts, lots of hickory spp., less flowering dogwood and red maple. The open areas allow tree regeneration. Some herbaceous plants and shrubs, yet still very open area. Many birds sighted. Other spp.: sweet pepperbush, white wood aster, sedge spp., moss, cinquefoil, Sassafras, black cherry, tulip tree, Rubus, poison ivy, and white oak.

**Unit:** 119  
**Acreage:** 0.49  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'			Landfill	
Deciduous	Sweetgum	>30'				
Hemicryptophytes	Flowering dogwood	5'-30'				
Knoll						
Dry						

**Comments:**

Level knoll between highway and ditch, possibly landfill. Dominated by red oak with scattered sweetgum and flowering dogwood. A number of red maples and hickory spp., black and white oaks, tulip tree, black cherry, black birch, and sweet cherry at both ends. A few small Ailanthus at unit tip. Groundcover herbaceous. Mostly aster, but also true and false Solomon's seal, Virginia knotweed, chives, poison ivy, and Virginia creeper. Many Sassafras seedlings, particularly near adjoining unit 121 (Sassafras). opening of wild grape and Rubus.

**Unit:** 120  
**Acreage:** 0.27  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'			Ditch	Erosion
Deciduous	Red maple	>30'				
Hemicryptophytes	Pin oak	>30'				
Depression	Red oak	>30'				
Wet	Mulberry spp.	5'-30'	Yes			
	Black locust	5'-30'	Yes			

**Comments:**

Depression channel with MC: because of open sewerhole leaking and forming a stream after rain falls. Species list difficult because of variety due to sewer: mulberry, pin oak, red oak, tulip tree, black locust, black cherry, grey stem dogwood, smooth sumac. Groundcover patches of herbaceous plants and lianas, mostly poison ivy, Virginia creeper, goldenrod, Virginia knotweed, jewelweed, wintercress, deadly nightshade, Rubus, pokeweed, true and false Solomon's seal, wild geranium. Area around sewer is mugwort.

**Unit:** 121  
**Acreage:** 0.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Level Dry	Sassafras	5'-30'				

**Comments:**

Unit consists of two non-continuous areas along fence edges. Besides above, there is flowering dogwood and black cherry. Understory herbaceous plants: mainly aster and goldenrod. Also a bit of true and false Solomon's seal, poison ivy, Virginia creeper, thornless smilax, wild geranium, chives, mapleleaf viburnum, Rubus. One area of fence is covered with wild grape. There is also a lot (>100) of Sassafras seedlings.

**Unit:** 122  
**Acreage:** 0.10  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Lianas Level Dry	Wild grape Rubus	All <5'				

**Comments:**

An open vineland area. Vines are growing across the ground in the central clearing and into the crowns of the few trees and snags that encircle the clearing and edge of unit. The barely living trees, which are covered by lianas, are black locust, red oak, and a few Ailanthus. Other species include: horsebalm, whorled loosestrife, and true Solomon's seal.

**Unit:** 123  
**Acreage:** 0.21  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Hemicryptophytes Undulating Dry	Ailanthus	5'-30'	Yes		Vehicle access	

**Comments:**

Edge Ailanthus areas, along roads (Grand Central Pkwy and the access road to the Francis Lewis Blvd.) and between old fence and sewer channel; lots of Ailanthus regeneration in this area. A few elderberry, black locust, black cherry, staghorn sumac and mulberry. Other spp.: Virginia creeper, jewelweed, goldenrod, mugwort, black cherry (<1'), wintercress, Rubus, wild grape, rose, deadly nightshade, and poison ivy.

**Unit:** 124  
**Acreage:** 0.26  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Slope Moist	Black locust Black cherry Mulberry spp.	>30' 5'-30' 5'-30'	Yes  Yes	Road Landfill		Erosion

**Comments:**

Main area of unit consists of channel cut by a leaking sewer hole that is in adjoining unit (affect this unit as a MC ) and a slope towards the channel. Slope covered by large black locust and channel is mostly herbaceous. Groundcover mainly Aster, golden rod, Virginia knotweed and Virginia creeper. Non-connected area is black locust with understory of Japanese honeysuckle and grasses at highway edge. Also, some thistle, bitter dock, deadly nightshade, mulberry, honey locust and where the channel starts there is more goldenrod, aster, etc.

**Unit:** 125  
**Acreage:** 0.41  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Hemicryptophytes Slope Dry	Sweetgum Flowering dogwood	All 5'-30'			Campfire/ party	

**Comments:**

Unit slopes down from Francis Lewis Blvd. Fence, in some spots to the other side of the fence. Mostly sweetgum with quite a bit of flowering dogwood. A few red oak, red maple, hickory spp., and tulip tree. Herbaceous ground cover mainly Aster, but also some true and false Solomon's Seal, wild geranium, Japanese honeysuckle, bittersweet, black cherry (2') and thornless smilax.

**Unit:** 126  
**Acreage:** 1.62  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Tulip tree Red maple Sweetgum Red oak	All All All >30'		Soil pits		

**Comments:**

Area slightly open with scattered regeneration, especially red maple. Large trees mostly tulip, less red oak some smaller sweetgum and hickory spp. and a few black birch. Dense groundcover of Aster and fern with spots of Rubus and wild grape. Physically non-connected part of unit to the east has shrubs (mapleleaf viburnum and sweet pepperbush) growing along path edge, and Ailanthus growing along edge of unit 133. Other spp: poison ivy, Virginia creeper, jewelweed, American hazelnut, whorled loosestrife, wild sarsaparilla, elderberry, horsebalm, etc.

**Unit:** 127  
**Acreage:** 0.45  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	American hazelnut	<5' & 5-30'				Dumping
Deciduous	Greystem dogwood	<5' & 5-30'				
Chamaephytes	Rubus	<5'				
Undulating	Red oak	<5' & >30'				
Dry	Tulip tree	All				
	Bittersweet	5-30'&<5'	Yes			

**Comments:**

An open canopy scrub area. Lots of American hazelnut and greystem dogwood (possibly planted along old path). Some red and white mulberry, arrowwood, jet black bead, elderberry. Lots of bittersweet, Rubus and wild grape. A few large red oak, regenerating tulip tree, and a few small sweetgum, red maple and one hickory. Sweet pepperbush along path. Other spp.: lots of Virginia creeper, and ferns, some poison ivy and false Solomon's seal.

**Unit:** 128  
**Acreage:** 0.31  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Sweetgum	All			Foot traffic	
Deciduous	Red maple	All				
Hemicryptophytes						
Undulating						
Moist						

**Comments:**

Unit surrounds a small pond and extends across path. Sweetgum and red maple with a couple of red oak and Sassafras. Groundcover practically non-existent directly around pond, and mainly herbaceous across path. Other spp: Aster, jewelweed, whorled loosestrife, false Solomon's seal, Virginia creeper, and ferns.

**Unit:** 129  
**Acreage:** 0.05  
**Mgmt. Concern:** No

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

**Comments:**

Unit is a small pond of standing water. Three red maples and one sweetgum touch the water's edge. A few hemicryptophytes are growing on a rotting tree stump, but otherwise there is no understory. Other spp: white wood aster, moss and false nettle.

**Unit:** 130  
**Acreage:** 2.70  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All		Tree well		Soil
Deciduous	Red oak	>30'				
Phanerophytes	Red maple	All				
Undulating						
Moist						

**Comments:**

Closed forest with very little groundcover except scattered false and true Solomon's seal, Virginia creeper, ferns, and white wood aster. At openings near paths there is a border of sweet pepperbush. Most of the sweetgum is in lower areas (with red maples). Most of red oak is on higher ground. Other spp: flowering dogwood, black birch, tulip tree, black cherry, hickory spp., Sassafras, white oak, mapleleaf viburnum, American chestnut and small clumps of black tupelo.

**Unit:** 131  
**Acreage:** 3.72  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Fire
Deciduous	Tulip tree	All			Campfire/ party	
Hemicryptophytes	Sweetgum	All				
Undulating						
Dry						

**Comments:**

Area dominated by large red oaks. There are a few large tulip, red maple, and black oak trees. Most of unit burned and is quite open with lots of hemicryptophytes and regenerating trees. There are lots of dead saplings with root suckers. Wild grape growing on ground and on dead vegetation. Regeneration of: black cherry, tulip tree, sweetgum, oak and hickory spp. and red maple. Some flowering dogwood, black birch. Other spp: Rubus, wild geranium, horsebalm, violet, false Solomon's seal, Aster, ferns, jewelweed, wild sarsaparilla, Virginia creeper.

**Unit:** 132  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				
Deciduous						
Phanerophytes						
Depression						
Surface water						

**Comments:**

Small depression close to the Clearview Expressway, where surface water has collected and sweetgum dominates overstory. Trees growing in water and around water edges. Other species: red maple, one black willow, black tupelo, sweet pepperbush, Aster, one large red oak and swamp leucothoe. Fence borders unit.

**Unit:** 133  
**Acreage:** 3.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Soil pits		
Deciduous	Black locust	<5' & 5-30'	Yes			
Chamaephytes	Sassafras	All				
Undulating	Elderberry	<5' & 5-30'				
Dry	Rubus	<5' & 5-30'				

**Comments:**

Fairly open canopy; big red oaks with scattered Sassafras. Black locust in the most open areas; very dense in the middle of the unit. Ailanthus growing at unit edges and center opening. Understory: Rubus, wild grape, bittersweet, and virgin's bower. Other spp: red maple, sweetgum, tulip tree, black cherry, red and white mulberry, hickory spp., flowering dogwood, umbrella tree, ferns, Virginia creeper, grey stem dogwood, Aster, wild geranium, horsebalm, poison ivy, true and false Solomon's seal, whorled loosestrife, arrowwood, and enchanter's nightshade.

**Unit:** 134  
**Acreage:** 0.83  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	All		Landfill	Vehicle access	
Deciduous	Flowering dogwood	>30' & 5-30'		Fence	Foot traffic	
Phanerophytes	Black birch	5'-30'				
Slope						
Dry						

**Comments:**

Unit located between Francis Lewis Blvd. , access road, and paved path. Slopes away from road. Between fence and road is lots of Ailanthus and Sassafras, and some sweetgum and grey stem dogwood. Main part of unit has some black oak and red maple. Lots of spicebush at northwest. Lots of lianas in southeast otherwise understory predominately phanerophytes. Other spp: Aster, true and false Solomon's seal, wild geranium, jewelweed, honewort, cinquefoil, mapleleaf viburnum, poison ivy, Rubus, and bittersweet.

**Unit:** 135  
**Acreage:** 0.89  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	Trash
Deciduous	Hickory spp.	>30' & 5-30'				
Chamaephytes	Tulip tree	All				
Knoll						

**Comments:**

Fairly open wooded area. Lots of vines, especially wild grape, but also poison ivy, Virginia creeper, bittersweet, and Rubus on the ground and in the trees. A lot of large red oaks. Also some hickory spp. and tulip trees in a variety of sizes. Other trees: Sassafras, flowering dogwood, black oak, white ash, sweetgum. Understory mostly chamaephytes and lianas, some phanerophytes. Other spp: Aster, whorled loosestrife, goldenrod, jewelweed, horsebalm, grey stem dogwood, false and true Solomon's seal, arrowwood, wild sarsaparilla, Virginia knotweed. Boulders.

**Unit:** 136  
**Acreage:** 1.86  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Tulip tree	All				
Deciduous	Red oak	>30' & 5-30'				
Hemicryptophytes	Red maple	All				
Slope	Sassafras	5'-30'				
Moist						

**Comments:**

Unit on slope alongside two ponds. Shady closed forest with lots of herbaceous groundcover. Trees mostly large tulip and red oak, much less red maple and Sassafras. There is also flowering dogwood, Norway maple, hickory spp., white ash, black oak, sweetgum. Patch of more Sassafras near pond edge (wetter site), and a thick spot of black cherry at east end of unit. Other spp: arrowwood, mapleleaf viburnum, wild sarsaparilla, fern, Aster, horsebalm, jewelweed, wild geranium, chives, spicebush, false Solomon's seal, Japanese honeysuckle, bittersweet, etc.

**Unit:** 137  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All				
Deciduous	Sweetgum	All				
Phanerophytes	Pin oak	>30'				
Depression						
Surface water						

**Comments:**

Small pond with trees listed above growing in and on edge of water. Pin oaks (4) not regenerating. Black tupelo, buttonbush, and sweet pepperbush growing in water. Two small "islands" on west side contain interrupted fern, elderberry, Virginia creeper, Virginia knotweed.

**Unit:** 138  
**Acreage:** 1.23  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Wild grape	<5' & 5-30'		Bridal path		Fire
Deciduous	Tulip tree	All				
Lianas	Hickory spp.	<5' & 5-30'				
Undulating	Red maple	<5' & 5-30'				
Dry						

**Comments:**

There was fire in this area, most of unit is snags (<15') with wild grape growing in over, almost impossible to walk through. Some damaged but living trees, lots of root suckers, all overgrown by vines. On east side is a level banked strip that may have been road; it is lined with sweet pepperbush (burned but regenerating). Unit also includes small, unconnected area to northwest. Part is more open with vines on ground and large red oaks sloping down to moist depression. Other spp: sweetgum, Rubus, arrowwood, Virginia creeper, poison ivy, etc.

**Unit:** 139  
**Acreage:** 1.13  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Sweetgum	All				Fire
Deciduous	Red oak	All				
Phanerophytes	Tulip tree	All				
Slope	Hickory spp.	All				
Dry	Black cherry	<5' & 5-30'				
	Red maple	<5' & 5-30'				

**Comments:**

Unit composed of a ridge, its slope, and some depressions at base of slope. A lot of dense, almost impenetrable regeneration. Regeneration is mostly sweetgum, but there is also quite a bit of red maple, black cherry, and some oak. There are three clusters of grey birch. Other spp.: flowering dogwood, hickory spp., Aster, ferns, Rubus, wild geranium, goldenrod, whorled loosestrife, horsebalm, arrowwood, bittersweet, false and true Solomon's seal, dogwood spp., mapleleaf viburnum, poison ivy, wild grape, wild strawberry, hickory spp., etc.

**Unit:** 140  
**Acreage:** 0.87  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	<5' & 5-30'		Landfill	Vehicle access	Dumping
Deciduous	Sweetgum	<5' & 5-30'		Exotics		Trash
Chamaephytes	Black cherry	All				
Slope	Red oak	All				
Moist						

**Comments:**

Disturbed area adjacent to Clearview Expwy, sloping down to gully and ending at fence. Variety of planted trees and shrubs. Water collects at bottom of slope. Eastern cottonwood growing in one spot. Other spp.: crab apple, blackhaw, rose, bittersweet, red oak, Virginia creeper, tulip tree, black locust, Ailanthus, chives, black birch, two redbuds, smooth sumac, Norway maple, black cherry, mulberry, two eastern hemlocks, goldenrod, horsetail, grey stem dogwood, mustard spp., wintercress, big tooth aspen, Japanese knotweed, Virginia knotweed, etc.

**Unit:** 141  
**Acreage:** 0.50  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Chamaephytes Level Moist	White ash	All			Foot traffic	Compaction Trash

**Comments:**

Unit bordered by Francis Lewis Blvd. and its access road. Three dirt paths criss-cross in triangular shape. Three/four large red and pin oaks. Vehicle access blocked off for most of unit except areas adjacent to roadways. Quite a bit of spicebush in unit. Other spp.: red maple, sweetgum, grey stem dogwood, white ash (<5'), black cherry (<5'), jet black bead, true and false Solomon's seal, jewelweed, chives, Virginia creeper, Aster, Virginia knotweed, honewort, bitter dock, bittersweet, and beaked agrimony.

**Unit:** 142  
**Acreage:** 0.28  
**Mgmt. Concern:** No

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

**Comments:**

A sharp slope covered with mostly young sweetgum and some large red oaks. Other trees present are tulip tree, black birch, hickory spp., flowering dogwood. Some loose rocks at the bottom of slope. Little herbaceous ground cover true and false Solomon's seal, Aster, ferns, spicebush, and jewelweed.

**Unit:** 143  
**Acreage:** 0.55  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				Auto
Deciduous	Red maple	All				Dumping
Chamaephytes	Pin oak	>30'				Trash
Depression	Black tupelo	<5' & 5-30'				
Surface water						

**Comments:**

Serious of connected kettle ponds, trees listed above occur in the water and along edges, buttonbush is growing in the water as well as sweet pepperbush. Swamp leucothoe, Rhododendron sp., and ferns grow along sides of pond.

**Unit:** 144  
**Acreage:** 1.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	All			Foot traffic	
Deciduous	Tulip tree	All				
Hemicryptophytes	Red oak	>30'				
Undulating	Red maple	All				
Moist						

**Comments:**

Closed forest bordered by 2 ponds. Mostly red maple and some sweetgum growing around east pond. Undulating unit of many large trees, but also lots of regeneration, mostly sweetgum. Herbaceous cover of wild sarsaparilla, white wood aster, ferns, false and true Solomon's seal. Other trees: black cherry (<5'), black birch, hickory spp., black tupelo. Some sweet pepperbush near pond edge. Other spp: wild oats, Rubus, wood anemone, violets, chives, wild germanium, Virginia knotweed.

**Unit:** 145  
**Acreage:** 0.63  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	>30' & 5-30'			Foot traffic	Trash
Deciduous	Red oak	All				
Hemicryptophytes	Flowering dogwood	<5' & 5-30'				
Undulating	Red maple	All				
Moist						

**Comments:**

Undulating closed forest with dispersed depressions containing standing water (not included in unit). Fairly open understory with almost no shrubs. Norway maple bordering Union Tpke. with lots of trash. Other spp.: black birch, white oak, hickory spp., black locust, black cherry, American beech, rose, jewelweed, poison ivy, Aster, Virginia knotweed, Rubus, chives, bittersweet, true and false Solomon's seal, wild leek, ferns, arrowwood, wild oats, wild geranium, Japanese honeysuckle, wood anemone, sensitive fern, mapleleaf viburnum, Virginia creeper, etc.

**Unit:** 146  
**Acreage:** 1.20  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All		Landfill	Vehicle access	Dumping
Deciduous	Red oak	>30' & 5-30'		Paved path		Trash
Phanerophytes	Black birch	>30' & 5-30'				
Undulating						
Dry						

**Comments:**

Circular area created by Francis Lewis Blvd. access loop. Area rocky. Understory mostly black cherry with spicebush, sweet pepperbush, grey stem dogwood, and other shrubs. Lots of red maple, some big tulip trees, black oak, pin oak, plus a few hickory spp., Sassafras, flowering dogwood. Other spp.: true and false Solomon's seal, violets, Aster, bittersweet, mountain laurel (one), wild grape, and whorled loosestrife.

**Unit:** 147  
**Acreage:** 0.45  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	All			Foot traffic	Vandalism
Deciduous	Red oak	All				
Phanerophytes	Sweetgum	All				
Slope	Witch hazel	5'-30'				
Dry	Black birch	5'-30'				
	Flowering dogwood	5'-30'				

**Comments:**

Closed forest with lots of planted witch hazel and sweetgum. Faces were carved into the birch. Path bisects unit; area slopes down to road. Lots of bird activity. Stairs in unit. Some large tulip trees. Other spp.: white ash, red maple, mapleleaf viburnum, arrowwood, Aster, true and false Solomon's seal, elderberry, poison ivy, hickory spp., Sassafras, goldenrod, grey stem dogwood, and wild lettuce.

**Unit:** 148  
**Acreage:** 0.55  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All		Exotics	Foot traffic	Trash
Deciduous	Black oak	All			Vehicle access	
Chamaephytes	Sweetgum	All				
Slope	Grey stem dogwood	<5'				
Dry						

**Comments:**

This unit contains a slope running down to Francis Lewis Blvd. access road and is bisected by a paved footpath running at top of ridge, characterized by large oaks (regenerating) and a lot of sweetgum. There is a prolific understory of shrubs, especially grey stem dogwood also, sweet pepperbush, mapleleaf viburnum, arrowwood, and spicebush. Other spp.: tulip tree, Sassafras, red maple, American beech, black and sweet cherry, hickory spp., whorled loosestrife, poison ivy, flowering dogwood, white wood aster, Carolina silverbell, Aster, etc.

**Unit:** 149  
**Acreage:** 0.51  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Staghorn sumac	<5' & 5-30'			Foot traffic	Fire
Deciduous	Mugwort	<5'	Yes		Campfire/ party	Dumping
Chamaephytes	Grey stem dogwood	<5' & 5-30'				Compaction
Level	Rose	<5'	Yes			
Moist	Rubus	<5' & 5-30'				
	Bittersweet	<5' & 5-30'	Yes			

**Comments:**

Above six species in almost equal amounts. Scrubby due to fire. Some trees moving in. Large pocket of Ailanthus, another of staghorn sumac, another of greystem dogwood, with areas of mugwort, rose, Rubus, wild grape, jewelweed, bittersweet in between. MC: lots of bird species sighted, great wildlife area (cover and food). Many fallen trees. Most trees under 15' tulip tree, sweetgum, mulberry, Ailanthus, black cherry and Sassafras. Other spp.: Aster, sweet pepperbush, Virginia creeper, elderberry, blackhaw, horsebalm, ferns, swamp leucothoe, etc.

**Unit:** 150  
**Acreage:** 0.89  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red oak	All			Foot traffic	Fire
Deciduous	Sweetgum	All				
Chamaephytes	Tulip tree	All				

**Comments:**

Unit borders 2 ponds. Lots of sweet pepperbush near pond edges. Also spots in unit where understory is mainly phanerophytes; lots of regeneration: sweetgum, black cherry, tulip tree, red maple, oak spp. Other trees: hickory spp., black oak, black cherry, black tupelo, and flowering dogwood. Northeast area of burned but resprouting sweet pepperbush. Other spp.: whorled loosestrife, Aster, wild sarsaparilla, jewelweed, wild oats, true and false Solomon's seal, jet black bead, arrowwood, Rubus, Rhododendron sp., blackhaw, Virginia knotweed, etc.

**Unit:** 151  
**Acreage:** 1.09  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Fence	Foot traffic	Compaction
Deciduous	Sweetgum	>30' & 5-30'				
Phanerophytes	Tulip tree	>30' & 5-30'				
Level	Red maple	All				
Moist	Hickory	All				
	Sassafras	5-30'&>5'				

**Comments:**

Transitional forest with a mix of the above species plus lesser amounts of black cherry (<5'), flowering dogwood, American beech (2), black and white oak, mulberry, and black birch. Most of the red maple and sweetgum around the two pond edges (some sweet pepperbush there). A paved path and an asphalt path run through the unit. There is a large open area with bittersweet, Rubus, Japanese honeysuckle, and Sassafras. Other spp.: wild oats, white wood aster, spikenard, wild sarsaparilla, poison ivy, Virginia creeper, jet black bead, wild geranium, CSG, etc.

**Unit:** 152  
**Acreage:** 0.41  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				
Deciduous	Red maple	All				
Phanerophytes	Red oak	>30' & 5-30'				
Depression						
Surface water						

**Comments:**

Wet depression closed forest of above wet site species and a few large red oaks. Part of unit has no surface water, but floods during rainy season. A small patch of sweet pepperbush present. Not many phanerophytes. A little trash evident (picnicking and fire ring nearby). Very little other species: tulip tree, elderberry, ferns, Aster, moss, wild sarsaparilla, poison ivy, arrowwood, cinquefoil, wild strawberry, jewelweed, etc.

**Unit:** 153  
**Acreage:** 0.16  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Slope	Bittersweet	<5' & 5-30'		Exotics	Vehicle access	Dumping Trash

**Comments:**

Bittersweet vineland with some trees and shrubs. Unit near access ramp to Clearview Expressway (from Union Turnpike). Vines grow on both sides of fence and into tree crowns. There is a big (15' or so) rose growing on a black cherry at the southern edge of the unit. Lots of dumping, therefore MC (put up a fence closer to highway?). Other species include tulip tree, sweetgum, planted dogwood spp., black oak, Norway maple, arrowwood, black birch, blackhaw, Ailanthus, and Japanese honeysuckle. Water collects in depressed part of unit.

**Unit:** 154  
**Acreage:** 0.35  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Chamaephytes Depression Dry	Red oak	>30'			Vehicle access Foot traffic	Dumping Trash

**Comments:**

Small forest of red oak that is in a slight depression, but is relatively level. Understory is filled with shrub honeysuckle, wineberry, arrowwood, spicebush, greystem dogwood. There is some Sassafras, black cherry and sweet cherry regeneration. Unit is adjacent to Francis Lewis Blvd. and Cunningham Loop. Other species: Sweetgum, rose, black locust (<5') (most from 5-30' are dead), Aster, bittersweet, CSG, goldenrod, etc. Dumping and trash problems here should be constantly cleaned.

**Unit:** 155  
**Acreage:** 0.32  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Level Moist	Sweetgum	All			Foot traffic	Compaction

**Comments:**

Area of mostly sweetgum bordering pond on its north and northwest edges. The very edge of the pond has lots of chamaephytes, particularly sweet pepperbush, arrowwood, swamp leucothoe, Rhododendron sp. Further from the pond there are lots more herbaceous species. Other spp: wild oats, wild sarsaparilla, white wood aster, false and true Solomon's seal, ferns, tail meadow-rue, and Rubus, other trees include tulip tree, black cherry (all <5'), flowering dogwood, red maple, and red oak.

**Unit:** 156  
**Acreage:** 0.99  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30' & 5-30'				
Deciduous	Swamp leucothoe	<5' & 5-30'				
Chamaephytes	Sweetgum	All				
Depression	Sweet pepperbush	<5' & 5-30'				
Surface water						

**Comments:**

Pond with red maple, pin oak, black tupelo and highbush blueberry growing in water. Some sweetgum on the edges. Swamp leucothoe growing in water and sweet pepperbush and Rhododendron sp. on the edges. Water willow and false nettle also growing in the water.

**Unit:** 157  
**Acreage:** 1.65  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Black oak	>30' & 5-30'				Dumping
Phanerophytes	Sassafras	All				
Slope	Flowering dogwood	<5' & 5-30'				
Dry						

**Comments:**

Forested edge along Francis Lewis Blvd from Union Tpke. to the Francis Lewis access road. Unit bisected by a paved path and slopes to road. Many lianas here; wild grape, poison ivy, bittersweet also a lot of pioneering trees. Oaks are mostly >30' ; there's a great deal of Sassafras of all sizes. Area of black cherry near Union Tpke. Other spp: true and false Solomon's seal, arrowwood, Aster, American beech, Norway and red maple, sweetgum, Ailanthus, grey stem dogwood, sensitive fern, witch hazel, tulip tree, sweet cherry, white poplar, blackhaw, etc.

**Unit:** 158  
**Acreage:** 0.82  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30' & 5-30'				
Deciduous	Red maple	>30' & 5-30'				
Phanerophytes	Black cherry	All				
Undulating	Flowering dogwood	>30' & 5-30'				
Moist						

**Comments:**

A slight ridge between two depressions. Understory is mainly black cherry and herbaceous species. Sweetgum is dominant tree. Other trees include: hickory spp., tulip tree and red oak. Other spp: Aster, true and false Solomon's seal, wild sarsaparilla, Virginia creeper, jewelweed, Virginia knotweed, horsebalm, wild geranium, poison ivy, chives, Japanese honeysuckle, and ferns.

**Unit:** 159  
**Acreage:** 0.18  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30' & 5-30'				
Deciduous	Pin oak	>30'				
Therophytes	Red maple	>30' & 5-30'				
Depression						
Surface water						

**Comments:**

A depression filled with standing water. Some tall trees growing submerged. No understory except false nettle (very little). Some grey stem dogwood at water's edge.

**Unit:** 160  
**Acreage:** 0.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	All				
Deciduous	Red maple	All				
Phanerophytes						
Depression						
Moist						

**Comments:**

Another depression of sweetgum and red maple that is relatively dry. Two spots which were apparently dug out have water in them. No groundcover. Rock outcrop evident. A little Aster and jewelweed present.

**Unit:** 161  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	<5' & 5-30'				Trash
Deciduous	Norway maple	<5' & 5-30'	Yes			
Lianas	Black cherry	>30' & 5-30'				
Slope	Pin oak	All				
Dry						

**Comments:**

Small patch of Sassafras with one large pin oak, two large black cherry. Regeneration of all major tree species. Also, flowering dogwood, hickory spp. present. Other spp.: poison ivy, mugwort, CSG, box elder, sweet cherry, and deadly nightshade.

**Unit:** 162  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	All				Trash
Deciduous	Hawthorn spp.	<5' & 5-30'				Erosion
Phanerophytes	Black cherry	<5' & 5-30'				
Slope						
Dry						

**Comments:**

Units on either side of the Vanderbilt Motor Parkway. Patches of closed forest with mostly pin oak and hawthorn (several spp.) in overstory. Leaves of one hawthorn area turning brown. Some rose, small Norway maple in understory. Also present: sweet cherry, mugwort (on slopes), American mountain ash, Virginia creeper, Japanese barberry, oak spp. seedlings, Japanese honeysuckle, and bittersweet.

**Unit:** 163  
**Acreage:** 5.74  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	All		Road	Foot traffic	Dumping
Deciduous	Black locust	<5' & >30'		Foundation		
Lianas	Pin oak	>30' & 5-30'				
Undulating	Norway maple	<5' & 5-30'	Yes			
Dry	Hickory spp.	<5' & 5-30'				
	Sassafras	5-30'&<5'				

**Comments:**

Closed forest dominated by black cherry which is particularly thick along both sides of the Vanderbilt Motor Pkwy. Other species are scattered, with Norway maple being especially heavy at the edges. Also American beech, Ailanthus, flowering dogwood, sweetgum, sweet cherry, grey birch, red maple, crab apple, (1), black willow >30', white oak, silver maple, Carolina silverbell, numerous mulberry and several species of hawthorn, some elderberry and jet black bead. Understory of lianas: poison ivy, wild grape, bittersweet, catbrier, etc.

**Unit:** 164  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30'		Landfill		
Deciduous	Black cherry	5'-30'				
Chamaephytes	Norway maple	5'-30'	Yes			
Slope						
Moist						

**Comments:**

Small closed forest unit sloping down from Francis Lewis Blvd. Large sized sweetgum, smaller black cherry and Norway maple. Other spp.: rose, Rubus, Japanese honeysuckle, hawthorn spp. (2), poison ivy, wild grape, Virginia creeper, Virginia knotweed, Jack-in-the-pulpit, enchanter's nightshade, bittersweet, wild sarsaparilla, dogwood spp., mugwort at road edge, and honeysuckle bush.

**Unit:** 165  
**Acreage:** 0.14  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Level Dry	Black locust	<5' & >30'	Yes	V.m. pkwy		Dumping

**Comments:**

Forest strip of large black locust with one large black cherry. Scattered sweet cherry (15-30') and oak spp. saplings. Species composition will change if oaks persist. Poison ivy, Virginia creeper growing in tree crowns. Poison ivy, Rubus, Virginia creeper growing dominate the vegetation <15'. Unit adjacent to Vanderbilt Motor Pkwy. Other spp: Aster, Japanese honeysuckle, rose, goldenrod, smartweed, black cherry saplings, Virginia knotweed, apple sp., CSG, great ragweed, honeysuckle sp.

**Unit:** 166  
**Acreage:** 0.64  
**Mgmt. Concern:** No

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

**Comments:**

Closed forest dominated by medium sized Sassafras, large pin oaks, and a number of black cherry. A patch of mixed Ailanthus and Sassafras in one spot with open canopy. Also, a few white oaks (>30'), flowering dogwood, sweet cherry, hickory spp., and black locust. Understory is mostly black cherry, but there are also a lot of vines (poison ivy, wild grape, Virginia creeper, Japanese honeysuckle, catbrier), and shrubs (blackhaw, Rubus, arrowwood, rose, and a bit of elderberry). Other spp.: Joe-pye weed, true and false Solomon's seal, etc.

**Unit:** 167  
**Acreage:** 0.49  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Norway maple	All	Yes		Vehicle access	Trash
Deciduous	Tulip tree	>30'				
Phanerophytes	Red oak	>30'				
Undulating						
Dry						

**Comments:**

This unit is the area along Union Turnpike between the Clearview Expressway off ramp and Francis Lewis Blvd. Overstory is mostly tulip tree (heavy at western end), and red oak (scattered throughout). Understory is Norway maple regeneration with herbaceous plants. Other spp.: Virginia creeper, flowering dogwood, poison ivy, black cherry, Aster, sweetgum, false Solomon's seal, rose, Japanese honeysuckle, pin oak, arrowwood, and one large black oak.

**Unit:** 168  
**Acreage:** 3.03  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		V.m. pkwy	Foot traffic	Dumping
Deciduous	Black cherry	<5' & 5-30'		Culvert		
Phanerophytes	Sassafras	<5' & 5-30'		Foundation		
Level	Red maple	All				
Dry	Sweet cherry	All	Yes			

**Comments:**

Closed forest predominately red oak (most 20'-30') with red maple and black cherry mixed in, and Sassafras and sweet cherry on edge of lawn. A few large tulip trees, some hickory spp., pin oak, flowering dogwood, black oak, many white ash (<10'). Lots of herbaceous cover. Many patches of arrowwood and Rubus. Many pits in a row, also what looks like a stone foundation. Vanderbilt Motor Pkwy runs through unit. The end of a double pipe running perpendicular to VMP is exposed here. Other spp.: creeper, white wood aster etc.

**Unit:** 169  
**Acreage:** 0.17  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	>30'		V.m.pkwy		
Deciduous	Red oak	>30'				
Phanerophytes	Ailanthus	All	Yes			
Undulating						
Dry						

**Comments:**

Mostly level unit except for a short steep slope up to the Vanderbilt Motor Pkwy and a large soil pit. Overstory is just filling in, and has one opening where most of the Ailanthus are. Large tulip tree and red oak, one big Ailanthus, the rest are <20'. Ground cover is uniform throughout. Aster, horsebalm, poison ivy, false Solomon's seal, Virginia creeper, and some goldenrod.

**Unit:** 170  
**Acreage:** 5.30  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	>30' & 5-30'		V.m.pkwy	Foot traffic	
Deciduous	Red oak	>30' & 5-30'		Soil pits		
Phanerophytes						
Level						
Moist						

**Comments:**

Forest with very large tulip trees and about half as many large oaks. Subcanopy very open, easily walked through. Scattered trees include flowering dogwood, hickory spp., large black oaks, red maple, black cherry. Some black birch, Sassafras, sweet cherry, white ash. One sugar maple >30', one <10'. Three American chestnut root suckers 9'. Lots of herbaceous ground cover: white wood aster, enchanter's nightshade, Virginia knotweed, Virginia creeper, false and true Solomon's seal, horsebalm, wild geranium, large patch of tall meadow rue.

**Unit:** 171  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	<5' & >30'		Landfill		
Deciduous	Wild grape	All				
Lianas	Bittersweet	All	Yes			
Depression						
Dry						

**Comments:**

Some large red oaks. Ground overrun with lianas (mostly wild grape). Other spp.: black cherry, red maple (1), tulip tree (1), Rubus, arrowwood, mapleleaf viburnum, milkweed, horsebalm, jewelweed, wild geranium, enchanter's nightshade, wild strawberry, blackhaw, poison ivy, rose. Unit on edge of Vanderbilt Motor Pkwy.

**Unit:** 172  
**Acreage:** 0.27  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	>30' & 5-30'	Yes	Landfill		
Deciduous	Sassafras	<5' & 5-30'				
Chamaephytes	Rubus	<5'				
Level						
Dry						

**Comments:**

Unit with a fairly open canopy of trees almost entirely black locust and Sassafras, and an understory mainly of Rubus. There are a few red oak. Unit on edge of Vanderbilt Motor Pkwy. Also: mulberry (1), pin oak (1), honey locust, tulip tree, black cherry <5', sensitive fern, Aster, jewelweed, rose, elderberry, Joe-Pye weed, true and false Solomon's seal, chives, wild lettuce, Virginia creeper, Virginia knotweed, poison ivy, milkweed.

**Unit:** 173  
**Acreage:** 0.94  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Rose	<5' & 5-30'	Yes	Fence	Dot	Dumping
Deciduous	Smooth sumac	<5' & 5-30'				
Chamaephytes	Red oak	5'-30'				
Slope						
Dry						

**Comments:**

This unit is along the Clearview Expwy. Steep slope with dry soil, but moist at the bottom in a small area with one willow. A variety of spp. throughout: mugwort, black cherry, milkweed, poison ivy, pin oak, dogbane, bayberry, butter-and-eggs, Japanese honeysuckle, goldenrod, Eastern cottonwood, yarrow, mulberry, Rubus, wild grape, sweet cherry, Virginia creeper, bittersweet, crab apple, hawthorn spp., grey birch, etc. MC: Severe dumping.

**Unit:** 174  
**Acreage:** 0.17  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red maple	All		Road		Dumping
Deciduous	Pin oak	>30' & 5-30'		Pipe		Trash
Phanerophytes						
Depression						
Surface water						

**Comments:**

This area used to be a drainage area, all that's left are the depressions (3) and connecting pipes. Red maple and pin oaks along the edges of the depressions, one which is holding water now. Lots of birds use this area. Other spp.: jewelweed, white ash, black tupelo, poison ivy, Virginia creeper, Sassafras.

**Unit:** 175  
**Acreage:** 0.19  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30'		Landfill	Vehicle access	
Deciduous	Blackhaw	<5' & 5-30'		V.m.pkwy		
Chamaephytes	Black cherry	<5' & 5-30'				
Slope						
Dry						

**Comments:**

Overstory has large red oaks, and two pin oaks (planted) at the edge of the Francis Lewis Blvd. Understory lots of blackhaw and some black cherry. Also, flowering dogwood, black locust, Japanese honeysuckle, Rubus, rose, Virginia creeper, poison ivy, wild grape, bittersweet, sweetgum, (2), white ash (1), Ailanthus (1). Part of unit is on landfill adjacent to Vanderbilt Motor Pkwy overpass over Francis Lewis Blvd.

**Unit:** 176  
**Acreage:** 5.51  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'		Soil pits	Campfire	Dumping
Deciduous	Hickory spp.	5'-30'				Fire
Hemicryptophytes	Black oak	5'-30'				Trash
Undulating						
Dry						

**Comments:**

A large closed forest dominated by red oak with a good number of hickory spp., and less black oak. Also a few white oak, tulip tree, Sassafras, black locust, flowering dogwood, black cherry, red maple, sweet cherry, black birch, pin oak, a few grey birch near fence edge, and one black willow. Understory contains quite a mixture of phanerophytes (mostly black cherry), chamaephytes, and hemicryptophytes, but hemicryptophytes seem to dominate. Area near adjoining mugwort fields has a few Eastern and more black cherry, sweet cherry, etc.

**Unit:** 177  
**Acreage:** 0.07  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30'				Dumping
Deciduous	Red maple	5'-30'				
Lianas						
Level						
Moist						

**Comments:**

This is a tiny unit, slightly moist, that looks as though it holds water at times. Pin oak and red maple dominate. Also: crab apple (1), hickory spp. (2), mulberry (1), elderberry, Viburnum spp., Rubus, wild grape. Understory mainly Virginia creeper and poison ivy.

**Unit:** 178  
**Acreage:** 0.50  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	All				Auto
Deciduous	Pin oak	>30' & 5-30'				Fire
Chamaephytes						
Depression						
Wet						

**Comments:**

A slight depression that may hold water at times. Mostly red maple, but also a number of pin oaks, and several red and black oak at edges of depression. A few hickory, one tulip (<10'). Understory sparse, but some shrubs: elderberry, blackhaw, and dogwood spp. Two burned autos in unit. Other spp.: wild grape, sensitive fern, Virginia creeper, Rubus, true Solomon's seal, poison ivy, some hemicryptophytes at edges of unit.

**Unit:** 179  
**Acreage:** 0.12  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30' & 5-30'				
Deciduous	Red oak	5'-30'				
Therophytes						
Undulating						
Dry						

**Comments:**

Unit predominantly pin oak and red oak. There are a few hickory spp., red maple, and black oak. Understory mainly jewelweed and hemicryptophytes, but in one spot there are some regenerating black cherry. Other spp.: dogwood spp. (two different kinds), blackhaw, rose, deadly nightshade, poison ivy, and wild strawberry.

**Unit:** 180  
**Acreage:** 0.86  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	<5' & 5-30'	Yes			
Deciduous	Black cherry	All				
Hemicryptophytes						
Level						
Dry						

**Comments:**

Closed forest dominated by black locust. Black cherry along edges, and scattered through center. Understory mainly mugwort, but under the mugwort and along the edge is a lot of rose (especially heavy at the southern end of the unit). Not much regeneration <5'. Also a few red oak, sweet cherry, white ash (1), flowering dogwood, and red maple. Other spp.: jewelweed, Virginia knotweed, false Solomon's seal, Aster, blackhaw, elderberry, poison ivy, Rubus, wild grape, and Virginia creeper.

**Unit:** 181  
**Acreage:** 0.12  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Crab apple	5'-30'				
Deciduous	Black cherry	5'-30'				
Lianas						
Level						
Dry						

**Comments:**

Unit is on an edge between forest and old field. It is a dense strip of crab apple and black cherry, which were probably planted. Other spp.: rose, Virginia creeper, Rubus, wild grape, Japanese honeysuckle, and poison ivy on the edge.

**Unit:** 182  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Wild grape	All				
Deciduous	Rose	<5'	Yes			
Lianas						
Level						
Dry						

**Comments:**

Vines, mostly wild grape, cover ground of a clearing and climb up trees (dead and dying) at clearing edge. Middle of unit has some trees: black cherry, grey birch, flowering dogwood and sweetgum (1) with vines climbing on them. Other spp.: black willow (two, >30'), white ash (1), Rubus, poison ivy, bittersweet, Virginia creeper, black locust (<5'), eastern cottonwood (<30'), Viburnum spp., crab apple, red oak, hawthorn sp. (15'), mulberry, Phragmites, jewelweed, thistle, Virginia knotweed, enchanter's nightshade, and Joe-Pye weed.

**Unit:** 183  
**Acreage:** 0.36  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Black locust	<5' & 5-30'	Yes			Dumping
Deciduous	Crab apple	<5' & 5-30'				
Hemicryptophytes	Eastern cottonwood	>30' & 5-30'				
Level	Red oak	<5' & 5-30'				
Dry	Black cherry	<5' & 5-30'				

**Comments:**

Woodland unit with mugwort understory, lots of tree regeneration. Part of unit is mostly black locust (5-30'), with some sickly crab apple (5-30'), regenerating crab apple, black cherry, and some red oak. Other part of unit mostly <5' red oak, black locust, and crab apple. There are large Eastern cottonwood scattered in unit. Other spp.: Ailanthus, hawthorn, rose, cinquefoil, Phragmites, path rush, poison ivy. On edge of forest there are >30' red oak (1), and box elder (1).

**Unit:** 184  
**Acreage:** 2.56  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Eastern cottonwood	All		Full-crown	Foot traffic	Dumping
Deciduous	Pin oak	All				Trash
Phanerophytes	Black cherry	All				
Level	Mugwort	<5'	Yes			
Dry						

**Comments:**

Mainly intermediate cottonwood (all same age), and some full crown trees also. Groundcover is mostly mugwort. Some downed trees and snags (cottonwood). Some pin oaks of the same size. Footpaths throughout (possible danger to hikers because of dumping and big piles of cement and asphalt). Old play areas ? overgrown. Other spp.: grey birch, Norway maple, black locust, crab apple, smooth sumac, goldenrod, CSG, poison ivy, rose, lilac, Cornelian cherry, Japanese honeysuckle, and box elder (1).

**Unit:** 185  
**Acreage:** 0.23  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Japanese honeysuckle	<5' & 5-30'	Yes		Foot traffic	Dumping
Deciduous	Rose	<5' & 5-30'	Yes			Trash
Lianas						
Level						
Dry						

**Comments:**

Vineland with lots of scrub. Dense with many trails around this unit. Less bird activity then adjacent woodland (unit 184). Mugwort groundcover. Cement dumped in spots. Most trees <15' have vines covering half the tree. Honeysuckle growing on everything. Some black cherry regeneration. Other spp.: blackhaw, crab apple, grey birch, Virginia creeper, poison ivy, and bayberry.

**Unit:** 186  
**Acreage:** 4.89  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Mugwort	<5' & 5-30'	Yes	Landfill Army site	Vehicle access Foot traffic	Dumping Compaction
Hemicryptophytes						
Undulating						
Dry						

**Comments:**

Large disturbed mugwort field (landfill?) south of athletic fields along 73rd Avenue. Lots of debris making walking treacherous and the landscape undulate. Scattered trees and shrubs. Eastern cottonwood and weeping willow regenerating well in one spot. Great wildlife area (lots of birds-MC). Concrete dumped near forest. Old Army Corps of Engineers property. Much of area is bermed in. Other spp.: crab apple, rose, goldenrod, poison ivy, CSG, jewelweed, bedstraw, deadly nightshade, bindweed, Phragmites, clover, black locust (<5'), grey birch, red oak.

**Unit:** 187  
**Acreage:** 0.17  
**Mgmt. Concern:** No

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

**Comments:**

Patch of CSG amidst a large disturbed mugwort field (unit 186); mugwort has been taking over. Old tire tracks present, but unit is not readily accessible. Soil compaction evident but minimal. Other spp.: clover and mushrooms.

**Unit:** 188  
**Acreage:** 0.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous				Landfill	Parking lot Vehicle access	
Level Dry						

**Comments:**

NYS Department of Transportation field office--a base for construction projects. Has been here for the past 30 years. Includes a small parking area and a trailer office. Cool season grasses cover half the area. Dumped insulation and some trash. Other spp.: mugwort, deadly nightshade, poison ivy, black cherry, and black locust.

**Unit:** 189  
**Acreage:** 0.63  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert	Black locust	<5' & 5-30'	Yes		Foot traffic	Trash
Deciduous	Smooth sumac	<5' & 5-30'			Bathroom	
Chamaephytes					Vehicle access	
Slope						
Dry						

**Comments:**

Black locust dominates this woodland unit with a very mixed (chamaephytes and hemicyptophytes) understory. Good amount of smooth sumac on slopes. Clumps of crab apple, Eastern cottonwood, poison ivy, milkweed and rose. Some trash near highway. Lot of blackhaw <5', some Ailanthus, bedstraw, and mugwort. DOT property along Clearview Pkwy. Other spp.: English plantain, CSG, pin oak, pussy willow, oak sp., curly dock, goldenrod, Japanese honeysuckle, Aster, yarrow, deadly nightshade, dogwood spp., cinquefoil, and wintercress.

**Unit:** 190  
**Acreage:** 0.48  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pin oak	<5' & 5-30'		Road		Trash
Deciduous	Blackhaw	<5' & 5-30'				
Phanerophytes	Black cherry	<5' & 5-30'				
Slope	Ailanthus	5'-30'	Yes			
Dry						

**Comments:**

Unit is next to Clearview Expressway; open area with CSG near active overpass. MC: Large sections missing of the fence that separates ballfield from Clearview. Blackhaw gets denser as you go south. Unit levels out at the base of the slope. Very little dumping from the Clearview Expwy, but much trash from the ballfield. Some footpaths near the fence and along the bottom of the slope (little compaction).

**Unit:** 191  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	<5' & 5-30'	Yes			Trash
Deciduous	White ash	5'-30'				
Chamaephytes	Norway maple	5'-30'	Yes			
Slope						
Dry						

**Comments:**

Woodland strip with scrub understory, and herbaceous patches. Other spp.: hawthorn, rose, mugwort, daisy, smooth sumac, goldenrod, crab apple, Ailanthus, sycamore, yarrow, burdock, red oak seedlings, dogbane, Rubus, black willow (1), shining sumac, poor-man's-pepper, daisy fleabane, pokeweed, pine sp. (1), thistle, path rush, and CSG.

**Unit:** 192  
**Acreage:** 0.10  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Austrian pine	5'-30'	Yes	Exotics	Vehicle access	
Evergreen						
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Small highway slope unit with about six Austrian pine. A few crab apples <15'. Understory mainly hemicryptophytes: mostly Aster, mugwort, daisy, and daisy fleabane. Also several ornamental rose, arrowwood, mapleleaf viburnum. Other spp.: poison ivy, deadly nightshade, black cherry, CSG, Japanese honeysuckle, yarrow, poor-man's-pepper, and chives.

**Unit:** 193  
**Acreage:** 0.21  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Pinus spp.	5'-30'		Exotics		Trash
Mixed	Honey locust	5'-30'	Yes			
Chamaephytes	Bittersweet	<5' & 5-30'	Yes			
Slope						
Dry						

**Comments:**

A woodland strip along Clearview Expressway with heavy bittersweet understory and some growing on trees. Clumps of rose throughout. Some pines ailing. Other spp.: shining sumac, Norway maple, goldenrod, black cherry, English ivy, sweet fern, CSG, grape, blackhaw, Japanese honeysuckle, Virginia creeper, sweet cherry, mugwort, deadly nightshade, yarrow, poison ivy, red maple, Ailanthus, and honey locust.

**Unit:** 194  
**Acreage:** 1.46  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30' & 5-30'		Foundation	Foot traffic	Dumping
Deciduous	Black oak	>30' & 5-30'		Soil pits		Trash
Phanerophytes	Flowering dogwood	5'-30'				
Undulating	Sweet cherry	>30' & 5-30'	Yes			
Dry	Sassafras	All				

**Comments:**

Closed forest with red oak dominant, but also numerous black oak. Some flowering dogwood and less red maple scattered. Sweet cherry and Sassafras occur in patches. There are also a few tulip tree, Norway maple, hickory spp., Ailanthus, black cherry, sweetgum, white oak, black birch, pin oak (1), grey birch (1), mulberry (1), black locust (1). Understory mainly 5-15'. Groundcover mainly Aster, poison ivy, Virginia creeper, enchanter's nightshade, jewelweed, Japanese honeysuckle, but also horsebalm, wild sarsaparilla, wild geranium, ferns, rose, etc.

**Unit:** 195  
**Acreage:** 0.20  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Level Dry	Sassafras	>30' & 5-30'				Dumping Trash

**Comments:**

Closed forest dominated by Sassafras with some Norway maple, black oak, and flowering dogwood, sweet cherry (1), and red maple (1). Understory mainly poison ivy, but also Aster, enchanter's nightshade, horsebalm and a patch of English ivy. Unit is near the edge of Union Turnpike, but separated from it by a thin Norway maple unit.

**Unit:** 196  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Undulating Dry	Tulip tree Red maple	>30' & 5-30' All		Foundation		

**Comments:**

The unit consists of several non-connected closed forest areas. In most places little or no understory besides groundcover. Some scattered black oak, black birch, black cherry, Sassafras, and one white oak (>30'). Understory mainly herbaceous: Aster, Japanese honeysuckle, chives, horsebalm, goldenrod, Virginia creeper, mapleleaf viburnum, poison ivy, rose, wild geranium, and whorled loosestrife.

**Unit:** 197  
**Acreage:** 0.01  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Bittersweet	<5' & 5-30'	Yes			Dumping
Deciduous	Dogwood spp.	5'-30'				Trash
Lianas	Virginia creeper	<5' & 5-30'				
Slope	Sassafras	<5' & 5-30'				
Dry	Black cherry	5'-30'				

**Comments:**

Small open lianaland containing large amount of bittersweet growing on dogwood, Sassafras, and black cherry. Other spp.: jewelweed, red maple, Viburnum spp., poison ivy, tulip tree, Norway maple, goldenrod, and Japanese honeysuckle.

**Unit:** 198  
**Acreage:** 0.53  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Red oak	>30' & 5-30'		Foundation		Dumping
Deciduous	Red maple	>30' & 5-30'				Trash
Hemicryptophytes						
Undulating						
Dry						

**Comments:**

Closed forest near Hollis Terrace with dumping (MC) of both organic and inorganic debris. Red oak dominates. Also some smaller red maple, flowering dogwood, black birch, and black cherry. Also a few tulip trees (large), small Ailanthus and Sassafras. Groundcover mainly Aster, jewelweed, and enchanter's nightshade. Other spp.: day lily, false Solomon's seal, and elderberry.

**Unit:** 199  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Level Dry	Black birch	All		Foundation		Dumping Trash

**Comments:**

Narrow strip of black birch within forest. Groundcover mostly Aster. Birches stand out in this oak dominated part of forest. Some cement blocks. One large deadfall (tulip tree) and one red oak snag. Other spp.: goldenrod, bittersweet, poison ivy, chives.

**Unit:** 200  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Slope Dry	Ailanthus Black cherry Garlic mustard Jewelweed	All 5'-30' <5' <5'	Yes  Yes			Vandalism Dumping

**Comments:**

Woodland area of Ailanthus and other spp. that are intruding on the open part of the unit. Large opening dominated by garlic mustard. Sawn stumps and fallen trees in unit. Other spp.: Viburnum spp., two black cherry, chives, Japanese barberry, Japanese honeysuckle, burdock, elderberry, winged euonymous, poison ivy, flowering dogwood, Virginia creeper, day lily, Ailanthus regeneration. Some cement blocks dumped.

**Unit:** 201  
**Acreage:** 0.24  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	All				Dumping
Deciduous	Black birch	>30' & 5-30'				
Phanerophytes	Black cherry	<5' & 5-30'				
Undulating	Sassafras	>30' & 5-30'				
Dry	Sweet cherry	>30' & 5-30'	Yes			
	Flowering dogwood	5-30'&<5'				

**Comments:**

Closed forest with some large black oaks and a few large red and white oaks. Black birch thick along edge near unit 205, and other trees in species list are scattered in small clusters. Lots of black cherry regeneration. A few hickory and tulip trees. Groundcover thick in spots with poison ivy, enchanter's nightshade, jewelweed, whorled loosestrife, Japanese honeysuckle, chives, lily-of-the-valley, day lily, Virginia knotweed, rose, MC: due to dumping of organic debris.

**Unit:** 202  
**Acreage:** 0.51  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Wild grape	All		Foundation		
Deciduous	Red oak	>30' & 5-30'				
Lianas	Red maple	5'-30'				
Undulating	Sassafras	5'-30'				
Dry	Rubus	<5'				
	Ailanthus	5-30'&<5'	Yes			

**Comments:**

Vines growing on ground, in shrub like form, and in trees which are dead or dying. Mostly wild grape, but also poison ivy, bittersweet, Virginia creeper and Rubus. Trees include red and black oaks, black cherry, sweet cherry, red maple, black birch, mulberry. Other groundcovers are: jewelweed, false Solomon's seal, Jack-in-the-pulpit, pokeweed, rose, and garlic mustard. Northern end of unit is more open with more poison ivy and Virginia creeper.

**Unit:** 203  
**Acreage:** 1.97  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Pin oak	<5' & 5-30'		Exotics	Foot traffic	Dumping
Deciduous	Crab apple	<5' & 5-30'		Landfill	Vehicle access	Trash
Chamaephytes	Rose	<5' & 5-30'	Yes			
Slope	Eastern cottonwood	All				
Dry	Bayberry	<5' & 5-30'				
	Smooth sumac	5-30'&<5'				

**Comments:**

A very diverse, scrubby, woodland on the slope down from the Clearview Expressway entrance ramp. Many spp., some planted and then unmaintained, and some pioneers. Also present are red oak, black oak, bittersweet, black cherry, red maple, white ash, black locust, Ailanthus, shining sumac, wild grape, blackhaw, and pussy willow. Near footpath running through unit is a lot of mugwort, Japanese honeysuckle, and path rush. Small patch of Phragmites. Other spp.: cinquefoil, goldenrod, common evening primrose, Virginia creeper, poison ivy, dogbane, etc.

**Unit:** 204  
**Acreage:** 0.21  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black birch	>30' & 5-30'		V.m. pkwy	Foot traffic	
Deciduous	Red oak	All				
Hemicryptophytes	Ailanthus	All	Yes			

**Comments:**

Closed forest dominated by black birch on the slopes down from Vanderbilt Motor Pkwy. Few red oak and Ailanthus of various sizes. Some flowering dogwood, red maple, sweet cherry (1), hickory (2), black cherry <5', small mulberry. Not much regeneration <5'. Groundcover mainly herbaceous: Aster, jewelweed, Virginia knotweed, Japanese honeysuckle, poison ivy, wild sarsaparilla, Virginia creeper, false Solomon's seal, rose, and wild geranium.

**Unit:** 205  
**Acreage:** 0.10  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Slope Dry	Norway maple	All	Yes		Vehicle access	Dumping Trash

**Comments:**

A road edge unit along Union Tpke. and Hollis Hills Terrace dominated by Norway maple. Unit varies in width and at one point includes a shrubby area with dogwood spp. and Viburnum spp. MC: dumping, especially organic debris. Near the corner is dumped cement and asphalt. Other spp.: Ailanthus, black oak, sweet cherry (1), tulip trees (2), Sassafras, flowering dogwood, mulberry, elderberry, poison ivy, Virginia creeper, mugwort, English ivy, Rubus, wild grape, jewelweed, Jack-in-the-pulpit, and bittersweet.

**Unit:** 206  
**Acreage:** 1.65  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Level Dry	Red oak Black birch Red maple	>30' & 5-30' >30' & 5-30' <5' & 5-30'			Soil pits	

**Comments:**

A closed forest with red oak dominating and quite a bit of black birch and red maple. Also a few black oak, flowering dogwood, tulip tree, hickory spp., Sassafras, black cherry, grey birch (1). Herbaceous groundcover mostly Aster. Other spp.: wild grape, poison ivy, Virginia creeper, ferns, wild sarsaparilla, Japanese honeysuckle, rose, and wild geranium.

**Unit:** 207  
**Acreage:** 0.28  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'			Vehicle access	Dumping
Deciduous	Red maple	>30' & 5-30'				
Hemicryptophytes						
Undulating						
Dry						

**Comments:**

Area of large, old, red oak and red maple in almost equal amounts spaced far enough apart to create an open understory, and allow lots of herbaceous growth. There is also a large sweetgum and a few small Ailanthus. Very few younger trees, and none <15', except for Ailanthus. Groundcover mainly Aster and jewelweed. Other spp.: flowering dogwood, mulberry, blackhaw, Virginia knotweed, mugwort, garlic mustard, pin oak, wild sarsaparilla, Virginia creeper, Japanese barberry, Rubus, etc. MC: dumping.

**Unit:** 208  
**Acreage:** 0.33  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	5'-30'		Wood post		Trash
Deciduous	Red oak	5'-30'				Dumping
Hemicryptophytes						
Depression						
Moist						

**Comments:**

A slight depression that probably holds water after a heavy rain. Mostly red maple, but a lot of red oak around the edges where ground is slightly higher. Also some pin oaks. Ground cover very sparse: moss, CSG, Virginia knotweed. Virginia creeper, (all very small). Not much regeneration except for a few red maple root suckers.

**Unit:** 209  
**Acreage:** 1.38  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hawthorn	<5' & 5-30'		Road		Dumping
Deciduous	Ailanthus	<5' & 5-30'	Yes			Trash
Phanerophytes	Blackhaw	<5' & 5-30'				
Slope	Black cherry	<5' & 5-30'				
Dry	Rose	<5'	Yes			

**Comments:**

Embankment along Clearview Expwy., fenced off but with holes and gaps in fence. Vegetation dense on top of slope, but open below with CSG and poison ivy. Separated about 1/3 of way in from 73rd Ave. by a small Eastern cottonwood stand. Wet in some places along fence. A lot of bird activity. Dumping from expressway. Pin oak regeneration into unit. Other spp.: crab apple, sumac, wild grape, mugwort, bayberry, willow oak, Rubus, English plantain, goldenrod, red oak, black locust, bittersweet, Virginia creeper.

**Unit:** 210  
**Acreage:** 2.10  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'		Landfill	Vehicle access	Dumping
	Mugwort	<5'	Yes		Foot traffic	Trash
Hemicytphytes	Goldenrod	<5'				Compaction
Level	Rose	<5'	Yes			
Dry						

**Comments:**

Grassy area between Hollis Hills Terrace and Clearview Expwy. (south 73rd Ave). Some wet spots. Two areas where honeysuckle sp. and poison ivy each abound. Mugwort more abundant near roads and in disturbed spots. Tire tracks in unit; compaction near road. MC: dumping (removal) although rocks, logs and bollards line the road in spots. Trees such as Norway maple, sweetgum, red oak, Sassafras and red maple. Tent caterpillars in black cherry and crab apple. Other spp: bushclover, pussy willow, Eastern cottonwood, bayberry, red osier dogwood, Rubus, etc.

**Unit:** 211  
**Acreage:** 0.71  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Weeping willow	>30'	Yes		Vehicle access	Dumping
Deciduous	Eastern cottonwood	<5' & 5-30'			Foot traffic	Trash
Geophytes	Phragmites	<5' & 5-30'				
Depression						
Moist						

**Comments:**

Unit located alongside Clearview Expwy, south of 73rd Ave. Understory of Phragmites. Many red winged blackbirds. Eastern cottonwood abundant near DOT fence. Lots of poison ivy in northern end. Surface water in one spot with pin oaks. Eastern cottonwood <30' (1). No willow <5', so composition of unit is changing. Roadside dumping. Very slight depression. Rose beginning to grow into willow. Other spp: mugwort, goldenrod, red maple, CSG, curly dock, yarrow, Virginia creeper, silver maple, jewelweed, wild grape, and bittersweet.

**Unit:** 212  
**Acreage:** 0.77  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black birch	>30' & 5-30'		V.m. pkwy	Foot traffic	Trash
Deciduous	Red oak	>30'		Fence		
Phanerophytes						
Undulating						
Dry						

**Comments:**

Unit is next to overpass for the Vanderbilt Pkwy on Hollis Hills Terrace. Unit splits into 2 areas: level area away from Vanderbilt Pkwy and area along the Pkwy that slopes up to it from both sides. Herbaceous vegetation is mainly along a second road that runs through unit under Pkwy. Other spp.: Norway maple, pin oak, black oak, Sassafras, garlic mustard, false Solomon's seal, Aster, English ivy, Jack-in-the-pulpit, rose, money tree, sensitive fern, poison ivy, planted Rhododendron, Japanese yew. MC: landowner encroachment.

**Unit:** 213  
**Acreage:** 1.44  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sassafras	All		V.m. pkwy	Foot traffic	Dumping
Deciduous	Red oak	<5' & >30'				Trash
Phanerophytes	Black cherry	All				Compaction
Slope						
Moist						

**Comments:**

Well disturbed area. Sassafras overstory over most of unit, with red oak overstory where 2 pkwy roads meet. MC: Heavy dumping due to closeness of houses and easy access. Other spp.: red maple, black locust, black birch, blackhaw, Virginia creeper, false Solomon's seal, sensitive fern, garlic mustard, rose, Rubus, Japanese honeysuckle, American basswood, Jack-in-the-pulpit, jewelweed, arrowwood, chives, CSG, poison ivy, mugwort, hickory spp, bittersweet, and catbrier.

**Unit:** 214  
**Acreage:** 0.74  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	>30' & 5-30'			Foot traffic	
Deciduous	Norway maple	5'-30'	Yes			
Hemicryptophytes	Pin oak	>30'				
Level	Red oak	>30' & 5-30'				
Dry	Black cherry	<5' & 5-30'				
	Sassafras	>30' & 5-30'				

**Comments:**

A transition unit between units 215 and 216 and along Vanderbilt Pkwy. An herbaceous understory in most areas. Some snags and dead and down tops (lightning?). A mixture of species throughout: crab apple, sweetgum, black locust, black oak, gray birch, garlic mustard, Virginia creeper, jewelweed, English ivy, box elder, Japanese honeysuckle, mugwort, and smooth sumac.

**Unit:** 215  
**Acreage:** 0.64  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Norway maple	All	Yes			Erosion
Deciduous	Red maple	All				Dumping
Phanerophytes	Silver maple	>30' & 5-30'				
Level						
Dry						

**Comments:**

Unit contains a channel for water (probably flows when there are heavy rains) near the southern end and running along its southern section. Norway maple dominates along this channel. Large silver maples near northern end and ground is more open. Other spp.: black birch, box elder, hickory sp., great ragweed, Virginia creeper, goldenrod, garlic mustard, rose, arrowwood, false Solomon's seal, chives, mugwort, CSG, and jewelweed.

**Unit:** 216  
**Acreage:** 0.25  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Mugwort	<5'	Yes	Vmp	Foot traffic	Wood dump
	Rose	<5' & 5-30'	Yes		Vehicle access	
Chamaephytes	Bedstraw	<5'				
Level	Great ragweed	<5'				
Dry	Virginia creeper	<5' & 5-30'				

**Comments:**

Mugwort field being engulfed by rose; area will eventually be a scrubland. Unit located at eastern edge of park between Vanderbilt Motor Pkwy & 210th St. Quite a bit of bedstraw & some great ragweed present. Also, Virginia creeper abundant in one growing on trees. A clump of bittersweet present, also, Phragmites, common plantain, CSG, dandelion, plus scattered trees: weeping willow, Norway maple, very large Eastern cottonwood.

**Unit:** 217  
**Acreage:** 2.30  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Phanerophytes Level Dry	Red maple	>30' & 5-30'			Foot traffic Vehicle access	Dumping

**Comments:**

Red maple closed forest which borders Hollis Hills Terrace, northeast of Vanderbilt Motor Pkwy. Area appears to be relatively dry, little or no red maple regeneration; most of it 5'-30' and >30'. Many are tall and thin. Black cherry is regenerating in spots, bigger trees at unit edges. Large pin oaks, sweetgum, and some red oak present. Lots of garlic mustard, Virginia creeper. MC: Dumping along road. Other spp: Japanese honeysuckle, poison ivy, mulberry, Aster, true and false Solomon's seal, Sassafras <5', American basswood, white ash, hickory sp., etc.

**Unit:** 218  
**Acreage:** 2.47  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Moist	Red oak Black cherry Pin oak Red maple	>30' All >30' >30' & 5-30'		V.m. pkwy	Foot traffic	Compaction

**Comments:**

Red oak, black cherry red maple throughout. Pin oak come in along unit 217 and northern borders. Some vines. Little trash. Other spp.: false Solomon's seal, Virginia creeper, enchanter's nightshade, garlic mustard, poison ivy, Japanese honeysuckle, wild lily-of-the-valley, Joe-Pye weed, rose, wild grape, box elder, Ailanthus, mugwort, hickory spp., Sassafras, goldenrod, catbrier, blackhaw, black birch, Norway maple, black oak, true Solomon's seal and Rubus.

**Unit:** 219  
**Acreage:** 1.74  
**Mgmt. Concern:** Yes

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

**Comments:**

A unit with a great variety of species. Bittersweet on most trees and on ground. Sassafras and hickory along border. Patches of jewelweed, mugwort, rose, Virginia creeper, lily-of-the-valley, wild grape. MC: dirt bikes. Other spp: sweetgum, hickory, black oak, black birch, tulip tree, red oak, gray birch, poison ivy, Japanese honeysuckle, red maple, jewelweed, false Solomon's seal, arrowwood, chives, English ivy, mugwort, goldenrod, garlic mustard, white oak, winged euonymus, Rubus and Jack-in-the-pulpit.

**Unit:** 220  
**Acreage:** 1.53  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Rose	<5' & 5-30'	Yes		Tree house	
Deciduous	Black cherry	All			Garden	
Chamaephytes	Bittersweet	>30' & 5-30'	Yes		Vagabond	
Level	Mugwort	<5'	Yes			
Dry						

**Comments:**

Viney area with paths through it and around it. One big cluster of black cherry with regeneration scattered in and around the rose. Mugwort covers a large part of the ground. Other spp: hickory spp., Sassafras, red maple, silver maple, red oak, 1 eastern cottonwood, jewelweed, Rubus, garlic mustard, poison ivy, goldenrod, catbrier, staghorn sumac, and sweetgum. Currently used by vagabonds.

**Unit:** 221  
**Acreage:** 1.21  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black cherry	All			Foot traffic	
Deciduous	Black locust	>30' & 5-30'	Yes			
Hemicryptophytes						
Level						
Dry						

**Comments:**

Quiet unit next to 210th St. Understory mostly garlic mustard and patches of Japanese honeysuckle, Rubus, Virginia creeper and rose. Regeneration of black cherry. Footpaths throughout, some snags, some erosion and some trash. Good wildlife habitat. Other spp: arrowwood, clover, chives, Virginia knotweed, false Solomon's seal, elderberry, crab apple, honeysuckle spp, Norway maple, red oak, pin oak, Sassafras, and hickory sp.

**Unit:** 222  
**Acreage:** 1.76  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red maple	>30' & 5-30'			Foot traffic	Dumping
Deciduous	Pin oak	All				
Hemicryptophytes	Black cherry	<5'				
Level	Sassafras	<5'				
Moist						

**Comments:**

Red maple and black cherry throughout. Eastern cottonwoods mainly in center of unit. Herbaceous groundcover. Patches of garlic mustard, mugwort, Sassafras regeneration, rose, and jewelweed. Some Virginia creeper growing in trees. Other spp: hickory sp., gray birch, black oak, black birch, red oak, false Solomon's seal, arrowwood, goldenrod, and Japanese honeysuckle.

**Unit:** 223  
**Acreage:** 0.12  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Rose	<5' & 5-30'	Yes	Landfill		Dumping
Deciduous	Wild grape	<5' & 5-30'				
Chamaephytes						
Slope						
Dry						

**Comments:**

Small scrubland of rose (with Rubus) that has wild grape growing on top of it. Lots of jewelweed, mugwort, arrowwood, and a variety of other species. Unit slopes down from old Sanitation site (unit 229). Other species include a patch of Ailanthus (5-30') on top of slope, box elder, mapleleaf viburnum, Eastern cottonwood, Sassafras, black cherry, garlic mustard, etc.

**Unit:** 224  
**Acreage:** 3.33  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black locust	>30' & 5-30'	Yes		Vehicle access	Dumping
Deciduous	Ailanthus	All	Yes		Foot traffic	
Chamaephytes	Rose	<5' & 5-30'	Yes			
Level	Japanese honeysuckle	<5' & 5-30'	Yes			
Dry	Black cherry	All				
	Rubus	5-30'&<5'				

**Comments:**

Black locust/Ailanthus woodland with a thick, relatively impenetrable understory of rose, Japanese honeysuckle and Rubus. Japanese honeysuckle growing on everything. Virginia creeper and Rubus growing on trees. MC: great birding spot: lots of snags, food, cover, activities, etc. Will eventually become a scrub/vineland. Fill, concrete, and debris near old sanitation site. Other spp: Siebold viburnum, arrowwood, Sassafras, goldenrod, elderberry, false Solomon's seal, sweet cherry (>30', 5-30'), poison ivy, gray birch, jewelweed, Norway maple, etc.

**Unit:** 225  
**Acreage:** 0.60  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'			Foot traffic	Dumping
	Mugwort	<5'	Yes		Vehicle access	Compaction
Hemicryptophytes	Goldenrod	<5'			Sports	
Level						
Dry						

**Comments:**

Relatively level field of the above 3 species that have slight rises and dips due to tire tracks and some dumping (all). Phragmites border the edge of Hollis Hills Terrace. Probably not mowed anymore due to topography. Other spp: clover, rose, wild strawberry, field strawberry, field mustard, Virginia creeper, black cherry (<5'), etc.

**Unit:** 226  
**Acreage:** 0.94  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Pin oak	5'-30'			Foot traffic	Dumping
Deciduous	Mugwort	<5'	Yes		Dirt bike	Compaction
Hemicryptophytes	Smooth sumac	<5' & 5-30'			Vehicle access	
Level	Black locust	<5' & 5-30'	Yes			
Dry	Rose	<5' & 5-30'	Yes			
	Black cherry	5-30'&<5'				

**Comments:**

Nice old field of oak-locust-cherry. Mugwort dominates the groundcover plus lots of goldenrod. Species composition is changing as smooth sumac and rose become more abundant. Dirt roads in unit. MC: lots of birds (particularly red winged blackbirds) great wildlife habitat. Great deal of species diversity including: rush sp., Polygonum sp., St. John's wort, Rubus, Virginia creeper, dogbane, cinquefoil, clover, bittersweet, garlic mustard, crab apple, gray birch, Sassafras, Japanese honeysuckle, mulberry, path rush, red oak, Phragmites, yarrow, etc.

**Unit:** 227  
**Acreage:** 0.74  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	All	Yes			Dumping
Deciduous	Sassafras	>30' & 5-30'				Compaction
Hemicryptophytes	Black cherry	All				
Undulating	Garlic mustard	<5'	Yes			
Dry	Mugwort	<5'	Yes			
	Arrowwood	5-30'&<5'				

**Comments:**

Black locust woodland with a significant amount of Sassafras and black cherry in overstory. Pockets of arrowwood, Norway maple, Ailanthus, and box elder (along east border). Groundcover is mostly garlic mustard and mugwort. Undulating terrain due to proximity to old Sanitation site. MC: dumping of concrete, soil compaction. Other spp: sweet cherry, gray birch, pin oak, mulberry, silverberry, black birch, Japanese honeysuckle, common mullein, wintercress, Virginia creeper, rose, clover, Queen Anne's lace, goldenrod, Virginia knotweed.

**Unit:** 228  
**Acreage:** 3.78  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Cool season grass	<5'		Sanitation	Reseeded	Compaction
	Mugwort	<5'	Yes			Erosion
Hemicryptophytes	Clover	<5'				
Level						
Dry						

**Comments:**

Unit previously and abandoned Sanitation Department parking area. Soil is sandy and dry (cracking). CSG may have been seeded here. MC: erosion channels facing 73rd Ave. Fence along edge by 73rd Ave. separating ballfields. Besides one starling no other signs of wildlife. Other spp: Queen Anne's lace, wood sorrel, and Shepherd's purse.

**Unit:** 229  
**Acreage:** 4.15  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous						Compaction Dumping Trash
Hemicryptophytes Level Dry						

**Comments:**

This unit is an abandoned Sanitation site with very little vegetation (due to soil compaction). Consists of 2 areas: an upper, circular area with a lot of fill (crushed concrete, stone, etc.) and a lower rectangular region. MC: a small dirt bike track in the lower area, some dumping. Some fallen trees. Other spp: mugwort, Queen Anne's lace and clover.

**Unit:** 230  
**Acreage:** 0.66  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Desert Deciduous Hemicryptophytes Knoll Dry	Black cherry Garlic mustard	<5' & 5-30' <5'	Yes	Landfill	Vehicle access Foot traffic	

**Comments:**

Small unit of black cherry with a blanket of garlic mustard as groundcover. Scattered Ailanthus, black locust, some crab apple and rose. Unit slopes toward 210th St. and down towards unit 224. Surprisingly, there's really no trash or dumping here (probably due to community awareness involvement). Very few cherries over 30'. Ailanthus in north section and locust in south. Other spp: Rubus, 1 silver maple, Virginia creeper, great ragweed, Japanese honeysuckle, poison ivy, mugwort, clearweed, unknown, Norway maple, and bedstraw.

**Unit:** 231  
**Acreage:** 0.13  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes	Road	Foot traffic	Trash
Deciduous	Ailanthus	All	Yes			Dumping
Hemicryptophytes	Rose	<5' & 5-30'	Yes			
Knoll	Catbrier	<5' & 5-30'				
Dry	Garlic mustard	<5'	Yes			

**Comments:**

Unit on corner of 210th St. and 73rd Ave. Disturbed forest site with vines, catbriers and rose throughout. These vines etc. are mainly inside the unit, not near edges. Litter along edges and downed limbs and trees within the unit. Less wildlife than other unit. A visual buffer between apartments along 210th St. and old sanitation site (now open field). Other spp: black cherry, Norway maple, Eastern red cedar, red spruce, crab apple, black birch, poison ivy, clover, Virginia creeper, Japanese honeysuckle, bedstraw, English ivy, privet, goldenrod, etc.

**Unit:** 232  
**Acreage:** 0.06  
**Mgmt. Concern:** No

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

**Comments:**

This is a tiny area on an unmowed slope in landscaped area, jutting out from closed forest unit 166. Ailanthus, 1 black cherry (15-30') and 1 mulberry (15'). Understory thick mugwort and a tiny bit of Rubus and deadly nightshade. Only a few (2 or 3) regenerating Ailanthus (<5').

**Unit:** 233  
**Acreage:** 17.44  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Virginia creeper	<5' & 5-30'				

**Comments:**

MC: Huge emergent vineland. Trees mainly black cherry, black locust growing more on edge than in interior. Some red maple, oaks spp, Ailanthus, Sassafras (on edges) and hickory. Rubus, poison ivy and Japanese honeysuckle also growing vigorously. Herbaceous cover includes dense blanket of enchanter's nightshade, jewelweed, garlic mustard, Virginia knotweed, etc. Many footpaths. Old stone foundation, a large ridge (possibly a landfill), and many pits. Other spp: mapleleaf viburnum, arrowwood, flowering dogwood, American Hazelnut, etc.

**Unit:** 234  
**Acreage:** 2.73  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Pin oak	>30' & 5-30'			Horses	Trash
Deciduous	Black cherry	All			Foot traffic	
Phanerophytes	Red maple	All				
Undulating						
Moist						

**Comments:**

Closed forest with a great abundance of pine oak; lots of black cherry, especially regeneration and red maple mixed evenly. Red, white and black oaks, scattered throughout and black tupelo, sweetgum and tulip tree only present near unit 236. Area east of footpath through unit has less pin oak, more black cherry, and some wild grape. There is a ridge (man made?) with a 10' difference in height. Other spp: hickory sp, flowering dogwood, greystem dogwood, blackhaw, Sassafras, black birch, gray birch, catalpa (>30'), garlic mustard, enchanter's nightshade, etc.

**Unit:** 235  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	>30' & 5-30'			Vehicle access	Trash
Deciduous	Bittersweet	5'-30'	Yes			
Lianas	Flowering dogwood	All				
Level						
Moist						

**Comments:**

Unit borders Clearview Expwy northbound. Groundcover is mostly Japanese honeysuckle and Virginia creeper throughout. Viney with bittersweet near south end. Other spp: mugwort (along edge of Clearview Expwy) poison ivy, Sassafras, tulip tree, red maple, Ailanthus, flowering dogwood, false Solomon's seal, hickory spp, blackhaw, black oak, arrowwood, English ivy, sensitive fern and wild grape.

**Unit:** 236  
**Acreage:** 1.40  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Pin oak	>30' & 5-30'			Vehicle access	Trash
Deciduous	Sassafras	All			Foot traffic	
Phanerophytes	Tulip tree	>30'			Horses	
Undulating	Black cherry	All				
Moist						

**Comments:**

Unit is next to Clearview Expwy Northbound. Mostly medium sized trees with a couple of large tulip trees, black oak and pin oak. A mix of tree species including: black tupelo, black birch, red oak, red maple, flowering dogwood, sweetgum (throughout). Groundcover is mostly Japanese honeysuckle, Virginia creeper. Other spp: wild lily-of-the-valley, false Solomon's seal, poison ivy, enchanter's nightshade, arrowwood, bittersweet. Clumps of regenerating black cherry and black tupelo and one large patch of cultivated lily-of-the-valley. MC: dumping.

**Unit:** 237  
**Acreage:** 0.29  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Wild grape	All			Foot traffic	
Deciduous	Black cherry	>30' & 5-30'				
Lianas	Bittersweet	All	Yes			
Level						
Dry						

**Comments:**

Lianas growing overground and into the tree tops of a woodland. Other trees include: red maple, pin oak, sweetgum, Sassafras, black tupelo, white oak, gray birch, flowering dogwood, hickory sp, and crab apple. Groundcover mostly lianas (above and Virginia creeper, poison ivy) but also jewelweed, enchanter's nightshade, pokeweed, garlic mustard, Virginia knotweed. Path alongside and through unit. Some large mounds of soil. Other spp: rose, false Solomon's seal, Japanese honeysuckle, Rubus, red oak, blackhaw and arrowwood.

**Unit:** 238  
**Acreage:** 1.33  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Black oak	>30'			Foot traffic	Fire
Deciduous	Sweetgum	>30'			Vehicle access	Dumping
Hemicryptophytes	Tulip tree	>30'				
Level	Black cherry	<5' & >30'				
Dry	Pin oak	>30'				

**Comments:**

A recently burned over area (about 2 yrs) and an earlier fired area (maybe 3 or 4 yrs). Fires resulted in elimination of groundcover and few trees. Most trees have fire scars. Groundcover includes: Rubus, enchanter's nightshade, Japanese honeysuckle and Virginia creeper. A lot of black cherry near west end. MC: 2 abandoned autos and fire. Other spp: white oak, red oak, false Solomon's seal, Japanese honeysuckle, bittersweet and CSG. Much more leaf litter in west end.

**Unit:** 239  
**Acreage:** 0.07  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Level Dry	Cool season grass	<5'		Landfill	Vehicle access	

**Comments:**

Area between unit 240 and Clearview Expwy. Partially mowed (10'). The rest is full of CSG, English plantain, Queen's Anne's lace, yarrow, dandelions, chickweed, hop clover, common mullein and sheep sorrel.

**Unit:** 240  
**Acreage:** 0.54  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Hemicryptophytes Slope Dry	Mugwort Sweetgum Pin oak	<5' <5' & 5-30' 5'-30'	Yes		Foot traffic Horses	Compaction

**Comments:**

Slopes down from side of paved and Macadam foot and bridle paths over Clearview Expwy. and into Cunningham Park. Mostly mugwort and other herbaceous sp. including lots of goldenrod. A few pin oak and sweetgum (lots of regeneration). May change herbaceous community with trees to a woodland. Some Ailanthus on edge. Lots of wild grape on fence. Lots of dogbane in middle strip. Other spp: red clover, common milkweed, Rubus, black cherry, sweet clover, yarrow, mimosa, day lily, garlic mustard, Japanese honeysuckle, rose, sheep sorrel, etc.

**Unit:** 241  
**Acreage:** 4.10  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Sweetgum	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Black cherry	<5' & 5-30'				Trash
Phanerophytes						Fire
Level						
Dry						

**Comments:**

Large sweetgum forest with lots of black cherry seedlings and saplings (with some larger trees). Little sweetgum regeneration (except for root suckers). Very few tree spp. Uniformly dense herbaceous groundcover: mostly Virginia creeper, Virginia knotweed, garlic mustard, Japanese honeysuckle and enchanter's nightshade. Many foot trails. Patch of black tupelo. Other spp: red and black oak, Sassafras, tulip tree, flowering dogwood, black birch, red maple, pin oak, white wood aster, white snakeroot, wild sarsaparilla, true Solomon's seal, etc.

**Unit:** 242  
**Acreage:** 0.71  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30'			Foot traffic	
Deciduous	Wild grape	<5' & 5-30'				
Lianas	Goldenrod	<5'				
Depression	Rubus	<5'				
Dry						

**Comments:**

Woodland of red oak with an understory of wild grape, Rubus, goldenrod, jewelweed, rose, bittersweet and many other species. MC: great wildlife area in conjunction with adjacent unit 233. Lianas are not growing up trees. Some footpaths. Other spp: Joe-Pye weed, CSG, dogbane, Ailanthus (<5'), enchanter's nightshade, wintercress, wineberry, polygonum spp., tall ginger (sars) plant, devil's walking stick (<5'), sensitive fern, etc. Also lady's fern, Japanese honeysuckle, black cherry (<5'). Very slight depression.

**Unit:** 243  
**Acreage:** 1.02  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	All			Foot traffic	Dumping
Deciduous	Red maple	>30' & 5-30'				Compaction
Lianas	Black locust	>30' & 5-30'	Yes			
Level	Sweetgum	>30'				

**Comments:**

Unit has a fairly open floor in most areas and there are patches of arrowwood and red maple. Mostly a black cherry overstory with a few sweetgum scattered in the unit. Also a patch of young black locust. Some black cherry and Sassafras regeneration. Other spp: tulip tree, flowering dogwood, sweet cherry, Japanese honeysuckle, jewelweed, Polygonum sp, rose, Virginia creeper, Rubus, poison ivy, enchanter's nightshade, lily-of-the-valley, false Solomon's seal, garlic mustard. Some dumping along 210<sup>th</sup> St. large patch of black cherry regeneration.

**Unit:** 244  
**Acreage:** 0.86  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Wild grape	>30' & 5-30'			Foot traffic	Dumping
Deciduous	Virginia creeper	<5' & 5-30'			Vehicle access	Trash
Lianas	Rose	<5' & 5-30'	Yes			Wood dump
Slope	Mugwort	<5'	Yes			
Dry						

**Comments:**

MC: A dumpsite now, also good nesting area. Along 210th St. with a variety of trees: black cherry, Norway maple, red maple, rose-of-Sharon, crab apple, Sassafras, hickory spp, tulip tree, white, red and black oaks, flowering dogwood and black locust. Some vegetative/garden dumping along 210th St, and other dumping throughout. One large patch of bittersweet. Pheasant nesting. Other spp: wineberry, milkweed, bitter dock, goldenrod, jewelweed, Japanese honeysuckle, false Solomon's seal, nightshade, Japanese knotweed, poison ivy and Rubus.

**Unit:** 245  
**Acreage:** 0.12  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Hemicryptophytes Level Dry	Red oak	>30'			Foot traffic Vehicle access	Compaction Trash

**Comments:**

Unit is just inside the forest edge at the corner of 210th St and 67th Ave. Open area surrounded by red oak and pin oak. Mostly dirt floor with some bittersweet and jewelweed abundant along the edges. Virginia creeper in some trees. Other spp: CSG, rose, Aster, goldenrod, star-of-Bethlehem, smartweed, garlic mustard, mulberry, black cherry (<5'), red maple etc.

**Unit:** 246  
**Acreage:** 0.56  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Slope Dry	Red oak Red maple Hickory spp. Black oak	<5' & >30' All <5' & >30' >30'			Foot traffic	

**Comments:**

Transition unit between all surrounding units. Most regeneration in understory is black cherry. Overstory consists of black oak in the east, red oak and red maple in the west. Other trees include black cherry, Sassafras, hickory sp, tulip tree, flowering dogwood and pin oak. Groundcover and other spp: jewelweed, false Solomon's seal, Japanese honeysuckle, Aster, poison ivy, Virginia knotweed, Virginia creeper, goldenrod, rose, bittersweet.

**Unit:** 247  
**Acreage:** 14.50  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	All			Foot traffic	Compaction
Deciduous	Black oak	All			Dirt bike	Fire
Phanerophytes	Tulip tree	All			Campfire	Vandalism
Undulating	Flowering dogwood	5'-30'				
Dry	Wild grape	<5' & 5-30'				

**Comments:**

Very large oak woodland. Most trees are >30'. Scattered openings throughout unit; these are pockets of mixed regeneration with wild grape encompassing saplings such as black cherry, red maple, tulip tree, sweetgum and oak. MC: Vines must be monitored here and oak regeneration encouraged. If vines keep growing on saplings, unit may become a woodland with vines, and eventually a vineland. Some forest like patches of intermediate trees inclusive; most of canopy doesn't touch. Other spp: pin and white oak, American chestnut, whorled loosestrife, etc.

**Unit:** 248  
**Acreage:** 0.22  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Wild grape	All			Vehicle access	Dumping
Deciduous	Ailanthus	All	Yes			
Lianas						
Level						
Dry						

**Comments:**

Viney opening in the canopy in from the edge of unit 247. Regeneration of Ailanthus, red maple and sweetgum. MC: Dumping of auto parts, oil burner and concrete. Other spp: black oak, hickory sp, tulip tree, Sassafras, American hornbeam, Aster, false Solomon's seal, bittersweet, goldenrod, Rubus, Virginia creeper and jewelweed.

**Unit:** 249  
**Acreage:** 0.40  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Red maple	>30' & 5-30'			Foot traffic	Fire
Deciduous	Sweetgum	>30'			Vehicle access	
Hemicryptophytes	Red oak	<5' & >30'				
Undulating						
Moist						

**Comments:**

Mature overstory along northbound side of the Clearview Expwy. Large and medium sized red maple, red oak, sweetgum and tulip tree. Sassafras and gray birch in southwest corner of unit. Groundcover is mostly Aster but also includes false Solomon's seal, Virginia creeper, Japanese honeysuckle, poison ivy, horsebalm, wild grape, goldenrod, lady fern, arrowwood. Other spp: flowering dogwood, hickory spp., black oak, black cherry, American hornbeam. Some snags.

**Unit:** 250  
**Acreage:** 0.37  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Red oak	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Red maple	>30' & 5-30'			Vehicle access	Dumping
Phanerophytes	Tulip tree	>30'				Auto
Level						
Dry						

**Comments:**

Woodland between units 249 and 252 along northbound side of Clearview Expwy. Black oak and hickory sp mixed in canopy. Understory is red oak, red maple, hickory sp, Sassafras, sweetgum, black birch, wild grape and flowering dogwood. One American beech with some regeneration. Groundcover includes Aster, goldenrod, mapleleaf viburnum, dogbane, Virginia creeper and Rubus. MC: Autos and other dumping.

**Unit:** 251  
**Acreage:** 0.27  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Sweetgum	>30' & 5-30'			Vehicle access	Fire
Deciduous	Red maple	5'-30'			Dirt bike	Vandalism
Phanerophytes					Foot traffic	
Depression						
Moist						

**Comments:**

Small wet site where above species practically codominate. Due to frequent severe fires (from torched autos primarily) and dirt biking, there is virtually no groundcover and very little tree regeneration. Some black tupelo and pin oak present. Other spp: false nettle, Aster, buttonbush, Virginia creeper, etc. MC: severe tree damage & disturbance. Part of unit is open.

**Unit:** 252  
**Acreage:** 0.46  
**Mgmt. Concern:** No

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

**Comments:**

Mixed forest of the above species. Lots of young trees. One section full of fragrant sumac, so unit is borderline chamaephyte/phanerophyte. Disturbed roadside unit (trash-dumping) adjacent to LIE service road. Other spp: goldenrod, Virginia creeper, Aster, lots of small woody debris, pin oak, hickory spp., ferns, crabapple, sweetgum, 1 black oak and 1bigtooth aspen.

**Unit:** 253  
**Acreage:** 0.73  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Chamaephytes Slope Dry	Red oak Black locust	All <5' & 5-30'	Yes		Foot traffic Vehicle access	

**Comments:**

Sloping unit adjacent to LIE service road. Comprised of mostly oak (5-30') with black locust not as abundant but interspersed. A great variety of chamaephytes present making it difficult to choose any for the spp list. Viburnum spp., witch hazel, rose, fragrant sumac. Lots of black cherry (<5') and vines such as Japanese honeysuckle, Virginia creeper, bittersweet and poison ivy. Herbaceous strip near street (CSG, mugwort, etc.). Other spp: mimosa (<5'), pointed blue-eyed grass, yarrow wild grape, pin oak, shining sumac, Ailanthus, blackhaw, Aster, etc.

**Unit:** 254  
**Acreage:** 0.07  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Slope Dry	Bittersweet	<5'	Yes			

**Comments:**

Small bittersweet vineland covering ground on slope up from LIE service road. Some trees becoming entangled. Other spp: black locust (<5'), Japanese honeysuckle, goldenrod, Rubus, smooth sumac, wild grape, mugwort, daisy fleabane, yarrow, common milkweed, hawkweed, etc.

**Unit:** 255  
**Acreage:** 6.39  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Black birch	>30'				Compaction
Deciduous	Red oak	>30'				Trash
Phanerophytes	Hickory spp.	>30' & 5-30'				
Undulating	Black oak	>30'				
Dry	Flowering dogwood	5'-30'				

**Comments:**

Mature trees. Open floor with a closed canopy. Black birch, hickory spp., and red oak throughout. Wide area of black birch in from 210th St. Groundcover contains: bittersweet, lady fern, Virginia creeper, false Solomon's seal, lady's thumb and Aster. MC: heavy trail use, some trash, and dumping along 210th St. Other spp: flowering dogwood, black cherry, red maple, white oak, Sassafras, tulip tree, Japanese honeysuckle, poison ivy, goldenrod and mapleleaf viburnum.

**Unit:** 256  
**Acreage:** 0.49  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Bittersweet	<5' & 5-30'	Yes		Foot traffic	Trash
Deciduous	Wild grape	<5' & 5-30'			Vehicle access	Dumping
Lianas	Black cherry	<5' & 5-30'				
Slope						
Dry						

**Comments:**

Vineland growing atop cherry, mulberry, and oak. Most trees are <5' or 5-30' tall. Other vines: Japanese honeysuckle, poison ivy, Virginia creeper. Openings of goldenrod and mugwort. Smooth sumac and rose present. Street border of planted trees inclusive. Other spp: include Norway maple, black locust, hickory spp, black oak, black birch, Sassafras, enchanter's nightshade, pokeweed, dogbane, violet sp., Virginia knotweed, deadly nightshade, chives & CSG.

**Unit:** 257  
**Acreage:** 0.06  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Wild grape	All				
Deciduous	Mapleleaf viburnum	<5' & 5-30'				
Lianas	Arrowwood	<5'				
Level						
Dry						

**Comments:**

A small unit bounded by 1 red maple, 2 oaks, 1 dogwood sp. and 1 black locust. Covered with grape, a smaller patch of mapleleaf viburnum and arrowwood. Other spp: poison ivy, Virginia creeper, enchanter's nightshade, Aster, and Japanese honeysuckle.

**Unit:** 258  
**Acreage:** 0.51  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Pin oak	>30'				
Deciduous	Black cherry	<5' & 5-30'				
Lianas	Poison ivy	All				
Level	Hawthorn	5'-30'				
Dry						

**Comments:**

A row along an unmowed area at base of fence and baseball back stop. Planted trees: pin oak, black cherry, hawthorn, 1 crabapple, and 1 sweet cherry. Also 1 white oak, 1 red oak, 1 shining sumac, 1 mulberry, lots of poison ivy, bittersweet, Virginia creeper, wild grape and Japanese honeysuckle. Other spp: Rubus, rose, mugwort, chives, dogbane, pokeweed, yarrow, great ragweed, 2 clumps of Japanese knotweed. Regeneration (<5') of Ailanthus, black cherry and oak species around old bleacher bases.

**Unit:** 259  
**Acreage:** 0.10  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	>30' & 5-30'				Trash
Deciduous	Poison ivy	<5' & 5-30'				Dumping
Lianas						
Level						
Dry						

**Comments:**

Unit is part of forest patch at south end of playing field area. Black cherry overstory with heaps of poison ivy growing on trees throughout. Groundcover is thick poison ivy (<5') mixed with Japanese honeysuckle, Virginia creeper, rose. Other spp: Ailanthus on edge, false Solomon's seal, bittersweet, small maple spp saplings, some black cherry regeneration, small box elder, jewelweed, chives and smartweed.

**Unit:** 260  
**Acreage:** 0.50  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes		Tree house	
Deciduous	Box elder	>30' & 5-30'				
Phanerophytes	Ailanthus	>30'	Yes			
Level						
Dry						

**Comments:**

Unit is part of forest stand at south end of ballfield area. Black locust dominate the overstory with several large box elder and a patch of large Ailanthus. Box elder regeneration and saplings dominate understory. Also patches of day lily and poison ivy. Bittersweet and poison ivy on some trees. Other spp: Japanese honeysuckle, thick bittersweet vines, mugwort, lily-of-the-valley and sweet cecily.

**Unit:** 261  
**Acreage:** 0.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black cherry	5'-30'				Trash
Deciduous	Hawthorn	5'-30'				
Hemicryptophytes	Sassafras	<5' & 5-30'				
Level	Box elder	<5' & 5-30'				
Dry						

**Comments:**

Forest edge unit with a mixture of above tree species and hickory spp., sweet cherry, crabapple, basswood, Ailanthus, shining sumac and red oak. Other spp: garlic mustard, common milkweed, dogbane, Japanese bayberry, Japanese honeysuckle, common ragweed, wild grape, poison ivy, Rubus, chives, day lily, common mock orange, and mugwort.

**Unit:** 262  
**Acreage:** 0.13  
**Mgmt. Concern:** No

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

**Comments:**

Closed forest with about equal number of pin oak and hickory spp. Scattered black cherry and Sassafras at edge. Understory of Japanese honeysuckle, Virginia creeper and poison ivy. Other spp: Norway maple, box elder, elderberry, Japanese honeysuckle, flowering dogwood, day lily and Virginia knotweed.

**Unit:** 263  
**Acreage:** 0.33  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Hemicryptophytes Slope Dry	Norway maple	5'-30'	Yes		Foot traffic	Compaction

**Comments:**

Closed forest almost exclusively Norway maple of uniform age and size with a few black cherry at edges. 2 American elms, 2 box elder, 1 Sassafras and 2 American basswood in canopy. No understory for most of unit (just leaf litter), but at edges there is mugwort, Aster, poison ivy, Virginia creeper, violet, pokeweed, moss, Japanese honeysuckle, Virginia knotweed, smartweed.

**Unit:** 264  
**Acreage:** 1.52  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Level Dry	Hickory spp. Sassafras Black cherry	<5' & 5-30' <5' & 5-30' <5' & 5-30'				Dumping

**Comments:**

Closed forest of hickory spp. A lot of Sassafras mixed in along sidewalk with scattered black cherry. A few pin oak, red oak, Norway maple, flowering dogwood and box elder (<5'), black locust. Understory mainly lianas (Japanese honeysuckle, poison ivy, Virginia creeper, catbrier, wild grape and bittersweet). Some area with a dense cover of day lily. Other spp: blackhaw, Rubus, elderberry, arrowwood, sweet pepper-bush, Aster, Joe-Pye weed, false Solomon's seal, garlic mustard, Virginia knotweed, wild sarsaparilla, enchanter's nightshade, and more.

**Unit:** 265  
**Acreage:** 0.34  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Undulating Dry	Black cherry	All		Sewer pipe	Foot traffic	Fire Trash Dumping

**Comments:**

Large, closed forest of black cherry with a few Sassafras, pin oak, red oak, sweet cherry. Understory mixed: regeneration heavy in some areas, shrubs in other areas (especially arrowwood). Lianas are growing into many of the trees and on the ground with a lot of herbaceous groundcover throughout. Other spp: box elder, Rubus, rose, bittersweet, Virginia creeper, poison ivy, garlic mustard, American hazelnut, blackhaw, catbrier, Japanese honeysuckle, Virginia knotweed, ferns, enchanter's nightshade, mugwort, bitter dock, pokeweed, Joe-Pye-weed & horsebalm.

**Unit:** 266  
**Acreage:** 0.94  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Chamaephytes Level Dry	Rubus Arrowwood Wild grape Black locust Black cherry	<5' & 5-30' 5'-30' All All All		Full-crown		Vandalism

**Comments:**

Large patch of Rubus growing in opening of the canopy of black locust and black cherry woodland, with wild grape and other lianas on the perimeter of unit, growing on trees. Also 1 pin oak, hickory sp., and Sassafras. Trees in unit have heavy vines on limbs and in canopy (much breakage). If vines persist, will invade scrubland. Other spp: false Solomon's seal, Sassafras, poison ivy, goldenrod, some black cherry regeneration, Virginia creeper, Japanese honeysuckle, dogbane. MC: good food, cover for pheasants and other birds.

**Unit:** 267  
**Acreage:** 0.44  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Red oak	>30'				Vandalism
Deciduous	Hickory spp.	All				
Lianas						
Level						
Dry						

**Comments:**

Woodland area with a few large red oak, 1 large black oak, 1 pin oak, several medium large (>30) hickory sp., and a very open canopy with low growing lianas as groundcover (wild grape, Virginia creeper, bittersweet, poison ivy). If hickories survive, (they are regenerating now), it will become a closed forest. Some vines on trees. Other spp: catbrier, Japanese barberry, Rubus, Sassafras, mugwort, Ailanthus on edge adjacent to fields, Japanese honeysuckle, Aster, Virginia knotweed, false Solomon's seal, black cherry, and jewelweed.

**Unit:** 268  
**Acreage:** 1.14  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Mugwort	<5'	Yes	Landfill		
Deciduous						
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Mugwort field (on a landfill?). A few daisies, yarrow, and CSG. A bit of rose, bittersweet and black cherry (5-15') along fence bordering unit. One Eastern cottonwood (>30'). 3 Ailanthus (15-30') near forest edge. Bittersweet and a patch of Japanese knotweed at another part of forest edge. Rubus and wild grape in another part. In center of field 1 box elder (15'), and a few black cherry, Ailanthus. Other spp: bindweed.

**Unit:** 269  
**Acreage:** 1.16  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Black cherry	All		Foundation		Trash
Deciduous	Red oak	>30'				Vandalism
Phanerophytes	Hickory spp.	>30'				
Undulating	Sassafras	<5' & 5-30'				
Dry						

**Comments:**

Unit of large red oak and a variety of sizes of black cherry, lots of regeneration. Scattered hickory sp., Sassafras, few flowering dogwood and box elder (<5'). Several patches of vines (wild grape, bittersweet). Cherry seems to be taking over the area. No oak regeneration. Some black locust at units edge (near unit 238). Other spp: Japanese honeysuckle, Virginia creeper, poison ivy, deadly nightshade, rose, Rubus, elderberry, jewelweed, goldenrod, Virginia knotweed, Aster, smartweed, enchanter's nightshade, Joe-Pye weed, mugwort, etc.

**Unit:** 270  
**Acreage:** 0.45  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	>30' & 5-30'	Yes		Foot traffic	Dumping
Deciduous	Black cherry	All				Trash
Hemicryptophytes						
Level						
Dry						

**Comments:**

Forest area of black locust and black cherry with mostly herbaceous groundcover. Patches of Virginia creeper, black cherry regeneration, poison ivy and wild grape. Virginia creeper in some trees. Some Sassafras and Ailanthus. Wild grape also growing in trees. Other spp: rose, Joe-Pye weed, goldenrod, Rubus, Japanese honeysuckle, jewelweed, garlic mustard, dogbane, elderberry and arrowwood. Some old garbage cans, tires, and branches dumped in unit.

**Unit:** 271  
**Acreage:** 0.16  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Rose	<5' & 5-30'	Yes	Landfill		
Deciduous	Crab apple	5'-30'	Yes			
Chamaephytes						
Level						
Dry						

**Comments:**

Unit of rose clumps growing to 10' high, with a few scattered crabapple and a small black cherry (<10'). One pin oak planted in unit. Unit grows on and over fence near Clearview Expwy. Some Japanese honeysuckle, dogbane, goldenrod, CSG, 1 hawthorn, blackhaw, mugwort & Virginia creeper.

**Unit:** 272  
**Acreage:** 1.94  
**Mgmt. Concern:** Yes

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

**Comments:**

Mugwort field with a few other species. Mostly tall mugwort on landfilled piles. MC: could be a good wildlife area if mugwort and rubble are removed. Other spp: sweet clover, red clover, CSG, thistle, Phragmites, daisy, yarrow, bird's foot trefoil, deptford pink, milkweed, English ivy, goldenrod, daisy fleabane, dogbane, greystem dogwood, rose, Eastern cottonwood, crabapple, white ash, red maple. Some planted trees at highway edge: pin and red oak, and sweetgum. Other spp: wild grape, Virginia creeper, bindweed, poison ivy, deadly nightshade, Rubus, etc.

**Unit:** 273  
**Acreage:** 0.56  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Black cherry	All		Landfill		
Deciduous	Wild grape	All				
Lianas	Ailanthus	<5' & 5-30'	Yes			
Slope						
Dry						

**Comments:**

Wild grape in most of the tree crowns and many trees dead or dying. Other spp: black locust, Sassafras, gray birch, mugwort, (understory mostly), poison ivy, rose, spicebush, arrowwood, elderberry, Virginia creeper, day lily, Tartarian honeysuckle, whorled loosestrife, Japanese honeysuckle, garlic mustard, wild grape, Virginia knotweed, jewelweed, Rubus, Joe-Pye weed.

**Unit:** 274  
**Acreage:** 0.10  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Red oak	>30' & 5-30'			Foot traffic	Dumping
Deciduous	Black oak	>30' & 5-30'				
Phanerophytes						
Level						
Dry						

**Comments:**

Small oak forest in middle of large black cherry forest. Tree regeneration is mostly black cherry. Edge is built up, probably due to landfilling and some dumping occurs there. Lots of Japanese honeysuckle and poison ivy groundcover. Several exotic shrubs: privet, greystem dogwood, mock orange. Other spp: shadbush, elderberry, box elder, hickory sp., pin oak, Rubus, mugwort, Virginia creeper, Virginia knotweed, enchanter's nightshade, Joe-Pye weed, smartweed.

**Unit:** 275  
**Acreage:** 0.84  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black willow	>30' & 5-30'		Landfill	Vehicle access	Compaction
Deciduous	Black cherry	<5' & 5-30'			Foot traffic	Erosion
Hemicryptophytes	Eastern cottonwood	>30'				Dumping
Level	Smooth sumac	<5' & 5-30'				
Dry	Silver maple	5'-30'				

**Comments:**

Woodland with a variety of species and only a few of each. Understory mostly dense with mugwort. Also, crabapple, white ash, gray birch, American sycamore, red oak, sweetgum, greystem dogwood, rose, Rubus, hawthorn, arrowwood, red clover, daisy ,rush, sweet clover, birdsfoot trefoil, cinquefoil, dogbane, common plantain, daisy, goldenrod, CSG, bittersweet, Japanese honeysuckle, poison ivy, box elder, and Ailanthus. MC: Some dirtbike trails with compaction and erosion running through unit.

**Unit:** 276  
**Acreage:** 0.14  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black willow	<5' & 5-30'		Landfill		
Deciduous						
Hemicryptophytes						
Level						
Dry						

**Comments:**

Large willow clone and small stands of individual trees that are clumps within the large landfill meadow. Willows grow as very thick clone in one clump, with hundreds of stems and sprouts. Individual trees have fallen over because of thin soil and wind-throw. These large trees also have hundreds of sprouts on branches and appear as clones at first. Willows provide good sites for nesting red-winged blackbirds. Mugwort grows up through willow stems. Willow spp include corkscrew willow, scattered black cherry (5-30') and smooth sumac.

**Unit:** 277  
**Acreage:** 0.25  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Smooth sumac	<5' & 5-30'		Landfill		Dumping
Deciduous	Flowering dogwood	<5' & 5-30'				
Hemicryptophytes	Mugwort	<5'	Yes			
Level	Rose	<5' & 5-30'	Yes			
Dry	Rubus	<5' & 5-30'				

**Comments:**

Scrub area at end of mugwort meadow. Shrubs and trees with mugwort understory. Others spp: some shining sumac, sweetgum, black cherry, pin oak, white ash, black willow. Also, goldenrod, poison ivy, wild grape, dogbane, ornamental rose. MC: Good wildlife area: nesting birds, has good cover and Rubus berries.

**Unit:** 278  
**Acreage:** 0.18  
**Mgmt. Concern:** Yes

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

**Comments:**

Meadow area with lots of mugwort and lots of other spp. Mugwort should take over more though. Some spots of stunted mugwort growth and more diversity in this area. MC: Rubble deposits from landfill and dumping. Wildlife potential. Other spp: sweet yellow, red and white clover, yarrow, daisy, daisy fleabane, birdsfoot trefoil, St. John's wort, hawkweed, greystem dogwood, moth mullein, dogbane, deptford pink, common and English plantain, Phragmites, rose, Virginia creeper, poison ivy, rough fruited cinquefoil, white ash, crabapple and sweetgum.

**Unit:** 279  
**Acreage:** 0.17  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Black locust	5'-30'	Yes	Landfill	Foot traffic	
Deciduous	Mugwort	<5'	Yes			
Hemicryptophytes	American sycamore	5'-30'				
Knoll						
Dry						

**Comments:**

Closed forest of mostly black locust and some American sycamore. Dense mugwort understory. MC: Rock and concrete rubble and for wildlife. Other spp: rose, Japanese honeysuckle, Virginia creeper, garlic mustard, and CSG.

**Unit:** 280  
**Acreage:** 0.24  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	All	Yes	Landfill		
Deciduous	Norway maple	>30' & 5-30'	Yes			
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Unit at edge of landfill. Mostly Ailanthus on top and mostly Norway maple down slope at end of landfill. Large box elder. Lots of Ailanthus regeneration. Some hawthorn, rose, Rubus and Catalpa at edge by adjacent meadow unit 275. Understory herbaceous: lots of mugwort, jewelweed, enchanter's nightshade and day lily.

**Unit:** 281  
**Acreage:** 0.20  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	<5' & 5-30'	Yes	Landfill	Foot traffic	Trash
Deciduous	Black locust	5'-30'	Yes			Dumping
Hemicryptophytes	Mugwort	<5'	Yes			Fire
Level						
Dry						

**Comments:**

Small edge unit between ballfield and forest. Other trees besides above include: 1 Catalpa, 1 royal Paulownia, Sassafras, red maple, silver maple, black cherry. Groundcover mostly dense mugwort and garlic mustard (both 5'). Other spp: Virginia creeper, daylily, rose, jewelweed and Virginia knotweed.

**Unit:** 282  
**Acreage:** 0.72  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Hickory spp.	All			Vehicle access	Dumping
Phanerophytes	Black cherry	All				Fire
Slope	Pin oak	>30' & 5-30'				
Dry						

**Comments:**

Many large and medium sized black oaks, lots of hickory sp., with understory mostly black cherry saplings, also a few pin oaks. MC: Very close to "racetrack" unit 284, also some wild grape invading unit. Several very wide and compacted paths running through unit. Other spp: Virginia creeper, Rubus, white wood aster, white oak, sweetgum, Sassafras, tulip tree, flowering dogwood, black locust, horse balm, enchanter's nightshade, Japanese honeysuckle, poison ivy, bittersweet, Virginia knotweed and deadly nightshade.

**Unit:** 283  
**Acreage:** 0.52  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Sweetgum	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Tulip tree	>30' & 5-30'			Vehicle access	Trash
Phanerophytes	Black oak	>30' & 5-30'			Horses	
Knoll	Black cherry	<5' & 5-30'				
Dry						

**Comments:**

Small sweetgum forest with tulip tree, black oak and quite a lot of black cherry regeneration. MC: This unit is right on the edge of the "racetrack" (unit 284) and may become like it soon. Groundcover very lush except where paths are running through. Other spp: hickory sp., gray birch, flowering dogwood, Sassafras, wild grape, white wood aster, Aster, Rubus, Virginia creeper, poison ivy, honeysuckle sp., arrowwood, horsebalm, Joe-Pye weed and Japanese honeysuckle.

**Unit:** 284  
**Acreage:** 1.99  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30'			Dirt bike	Auto
Deciduous	Black cherry	<5' & 5-30'			Vehicle access	Compaction
Hemicryptophytes	Ailanthus	<5' & 5-30'	Yes		Foot traffic	Erosion
Undulating	Hickory spp.	<5' & 5-30'				
Dry						

**Comments:**

MC: An extremely disturbed area. The center of the dirtbike trails. Often a single tree surrounded by trails. Many small islands surrounded by these trails. Other spp: tulip tree, red and white oak, flowering dogwood, Sassafras, black locust, 1 mulberry, 2 American chestnut in good condition (>20'). Understory herbaceous: mugwort, goldenrod, Rubus, rose, CSG, common mullein, pokeweed, jewelweed, Aster, Joe-Pye weed and Virginia knotweed.

**Unit:** 285  
**Acreage:** 0.07  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Chamaephytes Level Dry	Rubus Japanese knotweed Wild grape	<5' & 5-30' 5'-30' All	Yes			

**Comments:**

Area with no tree canopy. A patch of Japanese knotweed in the middle, the rest is Rubus, wild grape and herbaceous vegetation (mostly goldenrod). Other spp: Japanese honeysuckle, Virginia creeper, enchanter's nightshade, jewelweed, mugwort, Joe-Pye weed and Virginia knotweed.

**Unit:** 286  
**Acreage:** 0.72  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Hemicryptophytes Undulating Dry	Black cherry Black locust	>30' & 5-30' 5'-30'	Yes		Foot traffic Dirt bikes	Compaction Erosion

**Comments:**

Mostly black cherry with a number of black locusts. Several Sassafras (>30'), sweet cherry and red maple. Ailanthus at edge of unit 23, along with tulip tree, mulberry, clump of gray birch and red oak. Lots of vines growing on trees, mostly wild grape, but also Virginia creeper, poison ivy, Japanese honeysuckle and bittersweet. Understory patches of enchanter's nightshade, wild lettuce, mugwort. Other spp: arrowwood, Rubus, elderberry, garlic mustard, jewelweed, Virginia knotweed, Joe-Pye weed, false Solomon's seal, Aster and sensitive fern.

**Unit:** 287  
**Acreage:** 0.46  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Ailanthus	5'-30'	Yes	Landfill	Shelter	Dumping
Deciduous	Sycamore maple	>30' & 5-30'	Yes		Campfire	
Hemicryptophytes	American sycamore	5'-30'				
Knoll	Sweetgum	5'-30'				
Dry						

**Comments:**

Closed forest, almost woodland, at edge of landfill/meadow with a variety of tree species. Ailanthus mostly on top of landfill and sycamore maple mostly at bottom. Sweetgum and American sycamore along edge of adjacent unit 272 (mugwort field). A large black willow at edge, also Norway maple, black cherry, Sassafras, red oak. Understory herbaceous; patches of mugwort, goldenrod, and enchanter's nightshade. Other spp: greystem dogwood, Japanese honeysuckle, Rubus, arrowwood, poison ivy, wild grape, bittersweet, etc.

**Unit:** 288  
**Acreage:** 0.54  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30' & 5-30'		Landfill	Foot traffic	Dumping
Deciduous	Hickory spp.	<5' & 5-30'			Horses	
Phanerophytes						
Undulating						
Dry						

**Comments:**

Small oak hickory forest that is very disturbed. Great spp. mix. Dumping and wild grape with bittersweet growing in one area. Lots of black cherry regeneration. Lots of small diameter oaks. Some large tulip trees. Other spp.: mulberry, grey birch, red maple, Virginia creeper, Japanese honeysuckle, Norway maple, enchanter's nightshade, Ailanthus, poison ivy, arrowwood, goldenrod, mugwort, Rubus, white oak (5-30'), Joe-Pye weed, black willow (5-30'), black cherry (5-30'), Sassafras, black locust, bedstraw, pin oak (5-30') and dogbane.

**Unit:** 289  
**Acreage:** 1.76  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Hickory spp.	All		Landfill	Vehicle access	Trash
Deciduous	Black oak	>30' & 5-30'		Foundation	Foot traffic	Fire
Lianas	Pin oak	>30' & 5-30'				Dumping
Undulating	Black cherry	All				
Dry	Tulip tree	All				

**Comments:**

Closed forest, most of which has lots of vines (particularly wild grape, but also bittersweet, Virginia creeper, Japanese honeysuckle and poison ivy). At center of unit most trees are overcome by vines. Several vine/Rubus patches where no overstory occurs. Other trees spp.: red and white oaks, flowering dogwood, black locust, Sassafras, red maple, mulberry, and Ailanthus. Other spp.: Rubus, arrowwood, pokeweed, jewelweed, Virginia knotweed, Aster, Joe-Pye weed, false Solomon's seal, enchanter's nightshade, garlic mustard, etc.

**Unit:** 290  
**Acreage:** 0.28  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black locust	5'-30'	Yes	Fence	Compaction	
Deciduous	Black cherry	<5' & 5-30'				
Phanerophytes						
Undulating						
Dry						

**Comments:**

Much like unit F61, but not as disturbed. Lush groundcover: garlic mustard, Aster, goldenrod, Virginia knotweed. Lots of black cherry <5', and lots of vines, particularly poison ivy, wild grape and Virginia creeper. Very little black locust regeneration. Part of F65 has Japanese knotweed, rose, and Japanese honeysuckle. Other spp.: Rubus, mugwort, Joe-Pye weed, smartweed, jewelweed, and true Solomon's seal.

**Unit:** 291  
**Acreage:** 0.25  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Japanese knotweed	<5' & 5-30'	Yes		Foot traffic	Trash
	Rose	<5' & 5-30'	Yes			
Geophytes	Japanese honeysuckle	<5' & 5-30'	Yes			
Level	Virginia creeper	<5' & 5-30'				
Dry						

**Comments:**

Really nice scrub/herbaceous/liana mix. MC: Even though there is Japanese knotweed, vegetation structure should be maintained since the area is used extensively by wildlife. Above spp. dominate, more knotweed and rose, both in almost equal amounts. Community structure will probably change, depending on which spp. is more aggressive. Unit is adjacent to ballfields. Significant patches of wild grape, bittersweet, mugwort, goldenrod, and Rubus. Other spp.: black willow (5-30'), garlic mustard, CSG, Ailanthus (5-30'), smartweed, hawthorn.

**Unit:** 292  
**Acreage:** 0.14  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous	Wild grape	<5' & 5-30'			Foot traffic	Compaction
Deciduous	Japanese honeysuckle	<5' & 5-30'	Yes		Vehicle access	Dumping
Lianas	Rose	<5' & 5-30'	Yes			
Level	Bittersweet	<5' & 5-30'	Yes			
Dry						

**Comments:**

Besides spp. list, poison ivy and Virginia creeper add to this small vineland. Similar to unit 258, but this unit is covered with vines that are growing on the ground and into some trees: pin oak, hawthorn, black cherry, and black locust. Other spp.: deadly nightshade, goldenrod, mugwort, English plantain, Rubus, smooth sumac, black locust (<5'), wild lettuce, dogbane, CSG, chives, etc.

**Unit:** 293  
**Acreage:** 0.58  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Black cherry	All			Foot traffic	Compaction
Deciduous	Black oak	>30' & 5-30'				
Phanerophytes	Pin oak	>30'				
Level	Sassafras	<5' & >30'				
Dry	Hickory spp.	>30' & 5-30'				

**Comments:**

This unit is a short distance from Francis Lewis Blvd. and runs parallel with same. It has a couple of large trees (oaks, cherries), and a dense understory of black cherry regeneration plus medium sized oaks, hickories, cherries, and Sassafras. Unit has a herbaceous groundcover in most areas, the southern end has vines invading (wild grape and Japanese honeysuckle). It is level in most spots, but slopes down to the baseball fields in the southern end. Other spp.: flowering dogwood, sweet cherry, English ivy, false Solomon's seal, CSG, etc.

**Unit:** 294  
**Acreage:** 0.17  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Black oak	>30' & 5-30'			Foot traffic	Compaction
Deciduous	Pin oak	>30' & 5-30'			Vehicle access	Trash
Phanerophytes	Black cherry	<5' & 5-30'				
Level						
Dry						

**Comments:**

Oak woodland with several compacted footpaths running through area (makes for some open areas). Lots of black cherry regeneration, in most places very thick. Also quite a lot of American hazelnut. Other trees include black locust and flowering dogwood. Other spp.: garlic mustard, path rush, white wood aster, Aster, Virginia knotweed, poison ivy, horsebalm, Joe-Pye weed, mugwort, goldenrod, Japanese honeysuckle, Rubus, etc.

**Unit:** 295  
**Acreage:** 0.14  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Lianas Level Dry	Sassafras Black cherry	All <5' & >30'			Foot traffic	Compaction Fire

**Comments:**

Unit is between unit 296 and Francis Lewis Blvd. It has a trail set in a depression, on one side is arrowwood, on the other, black cherry regeneration. Groundcover is mostly lianas (Virginia creeper, poison ivy, Japanese honeysuckle) but it is low to the ground. Vineland 296 is invading some Sassafras on boundary between two units. Other spp: black oak, Aster, enchanter's nightshade, false Solomon's seal, mugwort, goldenrod, Rubus, wild grape and rose.

**Unit:** 296  
**Acreage:** 0.87  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Level Dry	Wild grape Sassafras	All All			Foot traffic Dirt bike Horses	Compaction

**Comments:**

This unit is a short distance from the northbound side of Francis Lewis Blvd. Heavy grape growth with a few trees in the unit; trees get thicker in the west side of the unit. Sassafras in west end on edge. Understory here is more open with Virginia creeper and goldenrod. Other spp: pin oak, hawthorn, tulip tree, red and black oaks, smooth sumac, grey birch, black locust, Virginia knotweed, Japanese honeysuckle, Joe-Pye weed, horsebalm, etc.

**Unit:** 297  
**Acreage:** 2.07  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland Deciduous Chamaephytes Knoll Dry	Black oak	>30'			Foot traffic	Fire Compaction Auto

**Comments:**

Open woodland area with very large oaks. MC: no oak regeneration, probably due to fire. Understory is mostly Rubus with many saplings (some burned and regenerating as root suckers) of black cherry, Sassafras, and black locust. Other trees include flowering dogwood, white oak, and hickory sp. Other spp: Virginia knotweed, American hazelnut, garlic mustard, jewelweed, climbing false buckwheat, wild grape, bittersweet, goldenrod, Japanese honeysuckle, smartweed, poison ivy, white wood aster, etc. Abandoned Jimmy, has been here 3 years.

**Unit:** 298  
**Acreage:** 0.99  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland Deciduous Phanerophytes Undulating Dry	Tulip tree Red maple Sweet cherry	>30' & 5-30' >30' & 5-30' >30' & 5-30'		Landfill	Vehicle access Foot traffic	Compaction Dumping Vandalism

**Comments:**

Very mixed assortment of tree spp. MC: this unit is becoming like the compacted dirt bike track (unit 284). Already they are hard, compacted roads circling some of the trees. Other trees are hacked and burned. There are pockets of regeneration and shrubs, as well as herbaceous cover. Other spp: white wood aster, jewelweed, arrowwood, enchanter's nightshade, Virginia creeper, poison ivy, wild grape, wild geranium, tulip tree, red maple, white oak, American elm, Sassafras, mulberry, and flowering dogwood.

**Unit:** 299  
**Acreage:** 0.20  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black oak	>30' & 5-30'			Dirt bike	Compaction
Deciduous	Hickory spp.	All			Vehicle access	Erosion
Phanerophytes	Red oak	<5' & >30'			Foot traffic	
Slope	Sassafras	<5' & 5-30'				
Dry						

**Comments:**

Closed forest (almost woodland) with large red and black oaks and younger hickory. Some Sassafras, less flowering dogwood, black cherry, tulip tree, and two grey birch. Lots of black cherry <5', quite a bit of Sassafras regeneration, less hickory and red oak. Other spp: Aster, goldenrod, Virginia creeper, wild grape, Virginia knotweed, poison ivy, Rubus, arrowwood, enchanter's nightshade, etc.

**Unit:** 300  
**Acreage:** 0.24  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Tulip tree	All				Fire
Deciduous	Black oak	>30' & 5-30'				Dumping
Hemicryptophytes	Hickory spp.	<5' & 5-30'				
Slope						
Dry						

**Comments:**

Closed forest of mainly tulip tree with a number of black oak and hickory. Also some flowering dogwood and red oak. Regeneration is primarily black cherry, and some tulip tree. Other spp: Aster, enchanter's nightshade, Joe-Pye weed, CSG, Asiatic dayflower, wild grape, poison ivy, Virginia creeper, and goldenrod, etc.

**Unit:** 301  
**Acreage:** 0.53  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Mulberry spp.	<5' & 5-30'	Yes	Landfill	Vehicle access	Auto
Deciduous	Ailanthus	<5' & 5-30'	Yes			Dumping
Hemicryptophytes	Mugwort	<5'	Yes			
Level						
Dry						

**Comments:**

Small woodland next to Hollis Hills Terrace which is now used as an access point by dirt bikers (MC). Other spp.: Norway maple, black cherry, jewelweed, wild grape, horsebalm, tulip tree, etc.

**Unit:** 302  
**Acreage:** 0.95  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Tulip tree	>30'		Road	Vehicle access	Compaction
Deciduous	Red maple	All			Foot traffic	Auto
Phanerophytes	Black oak	>30'				
Level	Red oak	>30'				
Dry						

**Comments:**

Unit along Clearview Expressway. Most trees are medium to large sized. Most of the understory is open, and there is little groundcover. Some piles of branches. North end of unit slopes, and there is an embankment slope at boundary near old Hollis Hills Terrace. Vines are starting to climb up some trees. Extremely easy auto access from Clearview. Other spp: black birch, flowering dogwood, pin oak, black oak, small black cherry, hickory, Sassafras, sweetgum, witch hazel, bittersweet, Virginia creeper, poison ivy, enchanter's nightshade, etc.

**Unit:** 303  
**Acreage:** 0.81  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Phanerophytes Level Dry	Red maple Black cherry	>30' All			Foot traffic Vehicle access	Trash

**Comments:**

Unit along south side of Clearview north of pedestrian overpass. The trees are mostly small to medium sized; some large red maples and black cherry. Large black cherry are in north end, close to the boundary with unit 304. Half the groundcover is herbaceous, the rest is leaf litter. Japanese honeysuckle in north and Aster in south end. Poison ivy throughout (on ground). Some bittersweet, wild grape, poison ivy in some trees. Fallen branches near Clearview (south end). Lots of black cherry regeneration. Other spp: black oak, red oak, etc.

**Unit:** 304  
**Acreage:** 1.45  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest Deciduous Lianas Level Dry	Black cherries	All		Road	Foot traffic	Compaction

**Comments:**

Mostly medium to large sized black cherry throughout, with a strip of black locust in southwest (plus some Sassafras) along old Hollis Hills Terrace. A lot of Virginia knotweed and enchanter's nightshade (south & center), Virginia creeper and poison ivy (on ground and in trees north end). Other spp: black oak, grey birch, smooth sumac, tulip tree, red oak, red maple, mulberry, hickory, wild grape, mugwort, mustard sp., Japanese honeysuckle, goldenrod, Rubus, bittersweet, false Solomon's seal, arrowwood, jewelweed, horsebalm, lady fern, etc.

**Unit:** 305  
**Acreage:** 3.83  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Greystem dogwood	<5' & 5-30'		Road	Foot traffic	Compaction
Deciduous	Black cherry	<5' & 5-30'			Vehicle access	
Chamaephytes	Pin oak	<5' & 5-30'			Dirt bike	
Level	Mugwort	<5'	Yes			
Dry	Cool season grass	<5'				
	Smooth sumac	<5'				

**Comments:**

The middle of the unit is scrubby, with pin oak, smooth sumac, Japanese honeysuckle, greystem dogwood, and mugwort. The north tip is mostly CSG and mugwort. In north half of the middle area there is black cherry, pin oak, goldenrod, bayberry, and CSG. There are planted pin oaks along Francis Lewis Blvd. with regeneration. A large area of goldenrod & mugwort in southeast corner. Other spp: Phragmites, path rush, bayberry, rose, dogbane, poison ivy, Virginia creeper, Rubus, wild grape, common ragweed, grey birch, sheep sorrel, clover, etc.

**Unit:** 306  
**Acreage:** 2.32  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black locust	All	Yes	Road	Dirt bike	Compaction
Deciduous	Black cherry	All			Foot traffic	Trash
Phanerophytes					Vehicle access	Dumping
Undulating						
Dry						

**Comments:**

Large cherry/black locust forest with a great deal of cherry regeneration (especially near unit 305). Groundcover is mostly lianas: Virginia creeper, bittersweet, Japanese honeysuckle and wild grape. Fire ring in north end with trash. MC: dirt bikes have caused severe erosion and compaction. Very hilly here (due to landfill/excavations?). Other spp: jewelweed, Ailanthus, red maple, black and pin oaks, sweetgum, Sassafras, sycamore maple, smartweed, false Solomon's seal, goldenrod, CSG, rose, etc.

**Unit:** 307  
**Acreage:** 0.99  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Bittersweet	All	Yes	Road	Dirt bike	Compaction
Deciduous	Black cherry	>30'			Foot traffic	Dumping
Hemicryptophytes	Wild grape	All			Vehicle access	Auto
Undulating	Black locust	>30'	Yes			
Dry	Poison ivy	All				

**Comments:**

Vineland, most trees medium sized and at least half covered with lianas. Patch of black cherry in south end covered with poison ivy. In north end, small pocket of cherry and locust with poison ivy. Unit crossed with numerous trails. A lot of enchanter's nightshade, jewelweed, Virginia creeper, and poison ivy in the groundcover. Other spp: grey birch, red maple, pin oak, mulberry, arrowwood, Rubus, mugwort, Virginia knotweed, Japanese honeysuckle, rose, smartweed, false Solomon's seal, English ivy, goldenrod, etc. MC: dumping and dirt bikes.

**Unit:** 308  
**Acreage:** 0.18  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Vineland	Mugwort	<5'	Yes	Road	Foot traffic	Auto
Hemicryptophytes					Vehicle access	
Level						
Dry						

**Comments:**

This unit is on both sides of the old Hollis Hills Terrace at north end. Some car parts dumped here and the road is used by dirt bikers. Other spp: jewelweed, Virginia creeper, and rose.

**Unit:** 309  
**Acreage:** 0.18  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Herbaceous Deciduous Chamaephytes Slope Dry	Witch hazel	5'-30'			Foot traffic	Compaction

**Comments:**

Witch hazel with other spp: black cherry (two), grey birch (two), red oak (one). Japanese honeysuckle and poison ivy coming in along eastern end. Mugwort border along south boundary. Very little understory, mostly bare soil.

**Unit:** 310  
**Acreage:** 0.53  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Slope Dry	Fragrant sumac Greystem dogwood Poison ivy Goldenrod Cool season grass	<5' & 5-30' <5' & 5-30' <5' <5' <5'		Landfill	Foot traffic Vehicle access	Trash Dumping

**Comments:**

Scrubby strip along LIE service road, east of Francis Lewis Blvd. Part of unit is mowed. Some trash and dumping, but very minimal. Good herbaceous mix, quite a bit of dogbane, dandelion(?), and mugwort, plus black locust (<5'), bittersweet, deadly nightshade, yarrow, black cherry (<5'), daisy, sheep sorrel, thistle, Rubus, moth mullein, wild grape, daisy fleabane, English plantain, chicory, Virginia creeper, Queen Anne's lace, crabapple, pin oak (5-30'), milkweed, etc.

**Unit:** 311  
**Acreage:** 0.77  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub	Black cherry	<5' & 5-30'		Foundation	Foot traffic	
Deciduous	Goldenrod	<5'			Dirt bike	
Phanerophytes	Grey birch	<5' & 5-30'				
Level	Black locust	<5' & 5-30'	Yes			
Dry	Poison ivy	<5' & 5-30'				
	Smooth sumac	5-30'&<5'				

**Comments:**

Very nice old field. Borderline woodland, most trees just at 15' or under. Great variety of tree spp. Trees forming a closed canopy in spots. Regeneration of pin oak, grey birch, Sassafras, black locust, hickory sp., red and black oak and red maple. First area where warbler activity noticed. MC: should be maintained as old field. Other spp.: dogbane, poison ivy, Japanese honeysuckle, CSG, yarrow, black locust (<5'), hawthorn, wild grape, trefoil sp., cinquefoil, hawkweed, honeysuckle sp., mugwort, willow oak (one, <5'), shining sumac, bayberry, etc.

**Unit:** 312  
**Acreage:** 0.23  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black locust	5'-30'	Yes	Landfill		
Deciduous	Black cherry	<5' & 5-30'				
Hemicryptophytes						
Slope						
Dry						

**Comments:**

Very small locust woodland--LIE service road above Clearview Expressway. Although the trees are close together, canopy is fairly open and sunlight pours in. Groundcover is a mix of common ragweed, and mugwort with a patch of Japanese knotweed plus black cherry (5-30' & <5'), white snakeroot, enchanter's nightshade, mustard sp., Japanese honeysuckle, goldenrod, Virginia knotweed, Rubus, etc. Little regeneration, and not as much black cherry as locust, but more black cherry <5'.

**Unit:** 313  
**Acreage:** 0.32  
**Mgmt. Concern:** Yes

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Woodland	Black cherry	>30' & 5-30'		Landfill	Vehicle access	
Deciduous	Viburnum spp.	5'-30'		Exotics		
Chamaephytes	Privet	<5'				
Slope	Wild grape	All				
Dry	Fragrant sumac	<5' & 5-30'				

**Comments:**

Sloping unit adjacent to LIE service road overpass that is a mix of spp. From surrounding units, but the majority of the area is characterized by planted shrubby understory of viburnum sp. and privet sp. Part of the unit is shrub and vineland, but majority of it is closed forest of black cherry. MC: if lianas are not controlled they will encompass trees and shrubs. Erosion control plantings. Other spp: Japanese honeysuckle, black birch, poison ivy, mulberry, Sassafras, grey birch, pokeweed, goldenrod, mugwort, smooth sumac, dogbane, and Rubus.

**Unit:** 314  
**Acreage:** 0.16  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed forest	Austrian pine	<5' & 5-30'	Yes	Exotics		
Mixed	Pin oak	5'-30'		Landfill		
Lianas	Crab apple	5'-30'				
Slope	Poison ivy	<5'				
Dry						

**Comments:**

Highway woodland strip with Austrian pine dominant. Groundcover is poison ivy and Virginia creeper; it is also growing into the tree crowns. May become a vineland. Other spp: goldenrod, black cherry, moth mullein, rose, mugwort, St. John's wort, Ailanthus, mulberry, bittersweet, etc.

**Unit:** 315  
**Acreage:** 0.07  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Deciduous Chamaephytes Slope Dry	Fragrant sumac	<5' & 5-30'			Landfill Exotics	

**Comments:**

Dense thicket of fragrant sumac covering every surface and engulfing several crabapple trees. Some Ailanthus saplings near top of slope. One area where herbaceous plants occur. Other spp: thistle, goldenrod, daisy fleabane, CSG, common evening primrose, butter-and-eggs, chives, common mullein.

**Unit:** 316  
**Acreage:** 0.13  
**Mgmt. Concern:** No

<u>Site</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Scrub Evergreen Chamaephytes Slope Dry	Austrian pine Fragrant sumac	<5' & 5-30' <5' & 5-30'	Yes		Landfill	

**Comments:**

A slope off the Clearview Expressway. There is planted Austrian pine and a dense understory of fragrant sumac. Other spp: Ailanthus, hawthorn spp., black cherry, rose, wild grape, Virginia creeper, bittersweet, Norway maple (two, <3'), St John's wort, yarrow, goldenrod, CSG, chives, and deptford pink.

## APPENDIX: Glossary

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

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

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

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

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

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

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

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

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

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

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

**Graminoid:** Grasses and grass-like plants.

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

**Hemicryptophyte:** Shoots die back to ground level.

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

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

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

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

**Knoll:** A small isolated hillock.

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

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

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

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

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

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

**Slope:** Ground that forms a natural or artificial incline.

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

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

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

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

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

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