

Natural Area Mapping and Inventory of Mosholu Parkway 2011 Survey

Prepared by:



NYC Parks

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Mosholu Parkway Natural Area Mapping & Inventory Surveyed 2011

80.9 acres

Introduction

The 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 DPR 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 Parks jurisdiction provide valuable habitat for hundreds of species, from rare wildflowers to endangered birds of prey. To facilitate the protection, management and restoration of natural areas, NRG began an inventory of parkland using entitiation, a process of identifying and describing ecologically distinct plant communities.

Entitiation

Originally designed for European landscapes, the system was revised by NRG in 1985 for use in urban parkland. This method of inventory was chosen because it is well suited to the patchy environments often found in urban areas. The focus of this type of survey is to break down a landscape into discrete, manageable units based primarily on dominant vegetation; each unit is described as an "entitiation unit". Entitiation units are defined using a weighted list of criteria. The following distinctions qualify entitiation units:

- Vegetation cover type (e.g. closed forest, vineland, scrub)
- Dominant canopy vegetation (e.g. Norway maple, hickory, oak)
- Understory vegetation type (e.g. herbs, vines, shrubs)

Additional factors, such as topography, current use, environmental disturbance and soil condition (e.g. wet, moist, and dry) are also taken into account. Using aerial photographs and field reconnaissance, a landscape can be delineated and mapped into distinct ecological entities. These maps and descriptions will serve as baseline ecological data to conduct natural areas management.

Data Collection

To prepare for fieldwork, mapping technicians examine aerial photographs and delineate areas of similar cover and create a strategy for on the ground surveys. In the field, boundaries are identified as described based on ground cover and vegetation types. For each unit, staff records the data listed above, current uses, environmental disturbances, historical indicators, community stability, and a narrative description of the area including management concerns and notable other species present.

Once collected, all of this data is then entered into a central entitiation database. The field maps are then digitized in ArcGIS with the boundaries of each unit recreated and linked to the entitiation database. Once the digital map and database are linked maps can be created and

information can be queried quickly. The final step is to convert the unit map and descriptions into a final report format.

Mosholu Parkway Overview

Land Use History

Mosholu Parkway is a landscaped highway connecting Bronx Park to Van Cortlandt Park. It stretches from Allerton Avenue to Gun Hill Road. “Mosholu” is an Algonquin name meaning “smooth stones” or “small stones” for the nearby creek now known as Tibbett’s Brook. The southern end of the parkway was once home to another creek, running under what is now Middlebrook Road, which supplied water to a British fort located on old Van Cortlandt Avenue East during the Revolutionary War.

The plan for New York’s City’s original parkway system was conceived during the 1860s by distinguished landscape architect Frederick Law Olmsted (1822-1903). He conceived a system of parks connected by a new type of road called a “parkway.” These parkways were extensions of existing parks but also inherently act as ecological corridors for plants and animals. The creation of Mosholu Parkway came as a result of the widespread park and parkway movement that Olmsted pioneered.

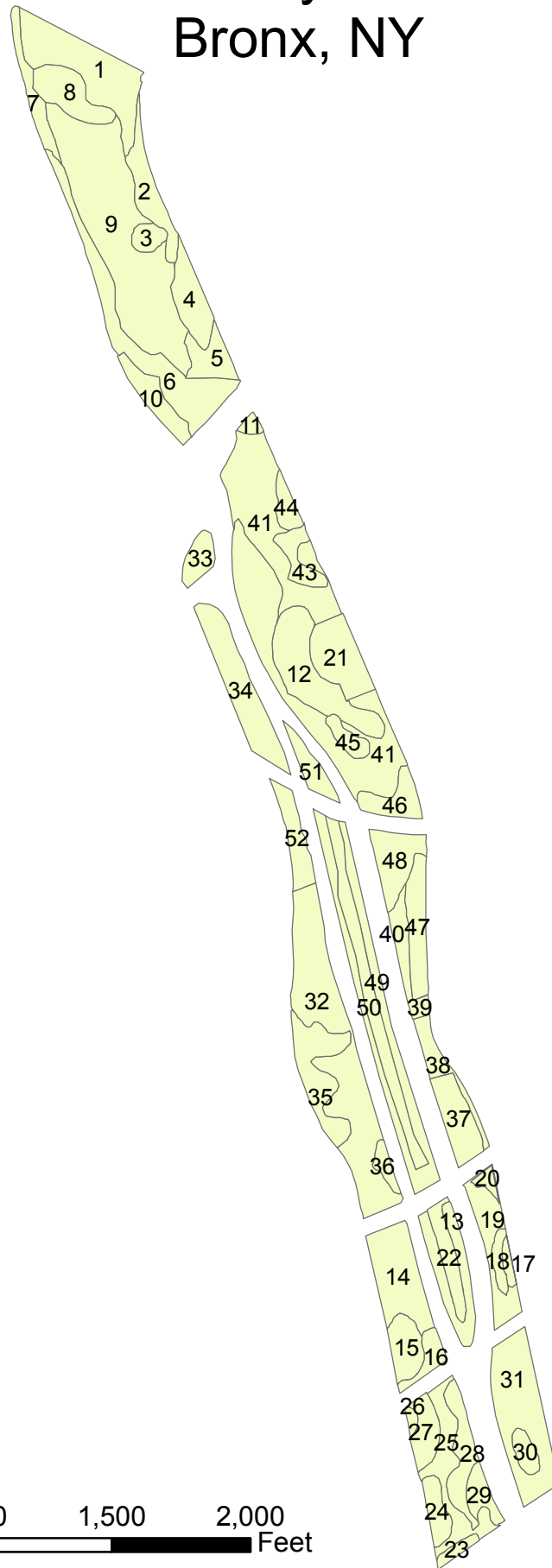
Current Use

The majority of this parkway is landscaped trees and mowed grass providing open lawns and shaded areas for people to enjoy, but it also includes a few more natural areas where some native plants such as goldenrod and violet can be found. The south end of the parkway borders the New York Botanical Garden, an internationally renowned public gardens and research institution housing one of the largest collections of plant specimen in the world. Mosholu Parkway serves as a major walkway as well as an active and passive recreation area while beautifying the surrounding area and providing a valuable corridor for plants and animals.

Acknowledgements

NRG Staff: Clara Pregitzer

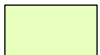
Mosholu Parkway 2011 Entitation Bronx, NY



N



Legend



Entitation unit

0 250 500 1,000 1,500 2,000 Feet



Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 1 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 1.84 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Locust, black	>30'	Yes	Full-crown tree		Picnic Soil compaction
Deciduous	Apple, crab	5'-30'	No	Planting	Foot traffic	Trash
Hemicryptophytes	Cool season grass	<5'	No			
Level	Dandelion	<5'	No			
Dry/Moist	Norway maple	>30'	Yes			

Comments:

This is a landscaped woodland dominated by mature black locust and crab apple trees with mown grass in the understory. To the north is Gun Hill road and Van Cortlandt Park and to the south is a closed forest area with a restoration planting. The understory is open and there is heavy foot traffic in this area. Other species include: slippery elm, sassafras, mulberry, black cherry, and plantain.

Unit: 2 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.73 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Sweetgum	>30'	No			
Deciduous	Oak, pin	>30'	No			Trash
Hemicryptophytes	Cool season grass	<5'	No			Dumping
Undulating	Crabgrass	<5'	No			
Dry/Moist						

Comments:

This is a mostly native woodland dominated by sweetgum and pin oak. This unit is mostly mowed grass in the understory except for several rocky outcrops where smartweed, viburnum and Oriental bittersweet are growing. This unit wraps around Knox Gates playground and ends at a path leading into the woods where the grass is no longer mowed. Bordered to the east by Mosholu Parkway North. Other species include: Oriental bittersweet, black locust, smartweed, jewelweed, bitternut hickory seedlings, star thistle, mapleleaf viburnum, white wood aster, arrowwood viburnum.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 3 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.24 **Management Concern:** No **Community Structure Changing:** No
Classification: VD

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scarcely vegetated	Dandelion	<5'	No	Full-crown tree		Sports Trash
Deciduous	Oak, black	>30'	No		Foot traffic	
Hemicryptophytes	Sweetgum	>30'	No			
Level						
Dry						

Comments:

This unit includes Knox Gates playground and access paths. This unit is scarcely vegetated and mostly concrete with some vegetation growing from the cement cracks and a few large shade trees. Bordered to the east by Mosholu Parkway North. The shade trees include black oak and sweetgum.

Unit: 4 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.72 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Cherry, black	5'-30'	No		Picnic	Soil compaction
Deciduous	Oak, pin	>30' & 5-30'	No		Foot traffic	Dumping
Hemicryptophytes	Ailanthus	all	Yes			Vandalism
Undulating	Smartweed	<5'	Yes			
Dry/Moist	Aster, white wood	<5'	No			
	Cool season grass	<5'	No			

Comments:

This is a closed forest unit dominated by black cherry and pin oak. There is severe dumping and vandalism in this unit. Several different areas with large amounts of household trash and beer bottles. A trail and several desire lines go through this unit. This unit is bordered by Mosholu Avenue North. to the east. Other species include: white wood aster, Japanese siltgrass, Asiatic day flower, goldenrod, pokeweed, white ash, white mulberry, Norway maple, black birch, Virginia knotweed, burdock, redbud, mugwort, poison ivy, white clustered snakeroot.

Mosholu Parkway Entitment Unit Descriptions, Surveyed 2011

Unit: 5 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.51 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No	Planting	Foot traffic	Trash
Deciduous	Dandelion	<5'	No			Vandalism
Hemicryptophytes	Oak, red	5'-30'	No			
Slope	Maple, red	5'-30'	No			
Dry/Moist	Crabgrass	<5'	No			

Comments:

This is a landscaped unit with mowed grass, bordered to the east by Mosholu Parkway North and south by Jerome Avenue. A foot path leads to this unit from the north and there is a paved footpath with benches at the southern edge of the unit. Dominated by cool season grass with dandelion, and plantain and a few planted red maple and red oaks. There is a lot of trash in this unit.

Unit: 6 **Date of Visit:** 8/30/2011 **Species Changing:** Yes
Acreage: 1.85 **Management Concern:** No **Community Structure Changing:** Yes
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Oak, pin	>30'	No	Full-crown tree		Foot traffic Trash
Deciduous	Sweetgum	>30'	No	Planting		
Hemicryptophytes	Cool season grass	<5'	No	Paved path		
Level	Clover	<5'	No			
Moist	Plantain, common	<5'	No			
	Crabgrass	<5'	No			

Comments:

This unit is a long woodland strip dominated by large pin oak and sweetgum with a mowed lawn understory. This unit is bordered to the west by Mosholu Parkway and to the north by Sedgwick Avenue and to the south by Jerome Avenue. A paved walkway runs north to south and there is a bit of a depression next to the path making some wet areas. Other species include: honey locust, crab apple, white mulberry, sweetgum, and lambs quarters.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 7 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.48 **Management Concern:** No **Community Structure Changing:** No
Classification: II

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Oak, swamp white	5'-30'	No	Planting	Foot traffic	Soil compaction
Mixed	Cool season grass	<5'	No	Paved path		Trash
Hemicryptophytes	Japanese zelkova	5'-30'	No			
Level	Pine, white	5'-30'	No			
Moist	Eastern red cedar	5'-30'	No			
	Clover, alsike	<5'	No			

Comments:

This landscaped unit is dominated by a mixture of ornamental trees including, Japanese zelkova, ornamental pear, white pine and swamp white oak. The understory is mowed grass with clover and dandelion, crabgrass and plantain. To this east is Mosholu Parkway northbound and to the north is Gun Hill road.

Unit: 8 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.77 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Planetree, London	>30'	Yes	Planting		Trash
Deciduous	Locust, black	all	Yes	Restoration		Vandalism
Hemicryptophytes	Oak, white	5'-30'	No			
Level	Knapweed, spotted	<5' & 5-30'	Yes			
Dry/Moist	Cool season grass	<5'	No			

Comments:

This unit is a mostly native woodland with a reforestation planting and a significant amount of black locust regeneration. This unit is dominated by black locust and London planeplane. The reforestation area includes: black oak, white oak, red oak, sycamore, and redbud with fencing around the reforestation area. A homeless encampment is within the unit. Other species include: meadow grass, pokeberry, smartweed, Oriental bittersweet, porcelainberry, white clover, common ragweed, goldenrod, planted dawn redwood, serviceberry, white mulberry, sumac, honeysuckle, wild strawberry.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 9 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 4.40 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, pin	>30'	No	Paved path	Foot traffic	Dumping
Deciduous	Cherry, black	>30' & 5-30'	No			Trash
Hemicryptophytes	Oak, black	>30'	No			Vandalism
Undulating	Locust, black	>30' & 5-30'	Yes			
Dry/Moist	Knotweed, Virginia	<5'	No			
	Sweetgum		No			

Comments:

This is a closed forest unit with mixed natives and invasives. This unit has several foot paths going through along with significant trash and dumping. The overstory is dominated by pin oak, black cherry and black oak. The understory is mixed native and invasive plants with a lot of Virginia knotweed and goldenrod. Oriental bittersweet can be found throughout. A small grave site was found in the unit. To the west is a more sparse unit and Mosholu Parkway southbound. Other species include: goldenrod, Norway maple, Ailanthus, red and white mulberry, slippery elm, garlic mustard, Virginia creeper, poison ivy, Japanese stiltgrass, Asiatic day flower, raspberry, wineberry, true Solomon's seal, multiflora rose, and pokeweed.

Unit: 10 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.55 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No	Paved path	Foot traffic	Soil compaction
Mixed	Dandelion	<5'	No			Trash
Hemicryptophytes	Clover, sweet white	<5'	No			Vandalism
Level	Crabgrass	<5'	No			
Dry/Moist	Spruce, Norway	5'-30'	Yes			

Comments:

This is a landscaped mowed lawn with sparsely planted ornamental trees. It is bordered by Mosholu Parkway on the east and the subway station at Jerome Avenue to the south. A paved footpath runs through the unit. Several spruce trees are planted in this unit.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 11 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.10 **Management Concern:** No **Community Structure Changing:** No
Classification: VCD

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scarcely vegetated	Oak, pin	5'-30'	No	Planting	Picnic	Trash
Mixed	Dandelion	<5'	No	Benches	Foot traffic	
Hemicryptophytes				Paved path		
Level						
Dry						

Comments:

This is a scarcely vegetated mostly paved unit just off of Jerome Avenue and Mosholu Parkway just south of the subway station. This unit has several benches, concrete, landscaped plants and sparse vegetation growing out of cracks in the sidewalk. Several pin oaks planted as shade trees and a flower box with a blue spruce, black eye susan and an ornamental shrub. A lot of trash is found within this unit.

Unit: 12 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 1.53 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Oak, red	>30' & 5-30'	No	Planting	Foot traffic	Dumping
Deciduous	Norway maple	>30' & 5-30'	Yes			Trash
Hemicryptophytes	Cherry, black	>30' & 5-30'	No			Vandalism
Slope	Mustard, garlic	<5'	Yes			
Dry/Moist	Aster, white wood	<5'	No			
	Elderberry	<5' & 5-30'	No			

Comments:

This unit is a closed forest just west of the playground and east of the paved footpath. This unit is a mix of native and invasive species with a lot of foot traffic and use. Dominant tree species include red oak, Norway maple and black cherry and the dominant understory species include garlic mustard, white wood aster and elderberry. Other species include: black locust, mugwort, tulip tree, Virginia knotweed, burdock, violet, spotted knapweed, thistle, Ailanthus, mulberry, hackberry, redbud, smartweed, bitternut hickory seedlings, oriental bittersweet, Carex, serviceberry and Siberian elm.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 13 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.82 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland compaction	Locust, honey	>30' & 5-30'	No	Full-crown tree		Foot traffic Soil
Deciduous	Japanese zelkova	>30' & 5-30'	Yes			Trash
Hemicryptophytes	Cool season grass	<5'	No			
Level	Plantain, common	<5'	No			
Dry/Moist	Crabgrass	<5'	No			

Comments:

This is a landscaped horseshoe shaped unit in the median unit between Mosholu Parkway north and Mosholu Parkway south. This unit has heavy foot traffic and soil compaction. Landscaped trees dominating the unit include honey locust and Japanese zelkova. At the southern tip of the unit is a small landscaped "greenstreets" area with a statue, blue spruce, ornamental cherry and a flower box with black eyed susan. The understory is mowed grass.

Unit: 14 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 1.29 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland compaction	Planetree, London	>30'	Yes	Full-crown tree		Foot traffic Soil
Deciduous	Maple, Norway	>30'	Yes	Paved path		Trash
Hemicryptophytes	Oak, pin	>30'	No			
Undulating	Oak, white	>30'	No			
Dry/Moist	Cool season grass	<5'	No			
	Clover, white	<5'	No			

Comments:

This is a landscaped unit with large full crown ornamental trees and mowed lawn in the understory including cool season grass, clover, plantain, and crabgrass. This area is used heavily by dog walkers. A large solitary green ash is within this unit. This unit is bordered Mosholu Parkway South on the east side and Mosholu Parkway. Dominant trees include: London plane, Norway maple, pin oak, white oak.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 15 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.54 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No		Foot traffic	Trash
Deciduous	Dandelion	<5'	No			
Hemicryptophytes	Clover, sweet white	<5'	No			
Slope						
Dry/Moist						

Comments:

This unit is a mowed open lawn. A large oak recently fell making this unit completely open. Dominated by cool season grass, dandelion and clover. Bordered to the south by Marion Avenue and to the east by E. Mosholu Parkway. English ivy and burdock are found along the edges.

Unit: 16 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.30 **Management Concern:** No **Community Structure Changing:** No
Classification: IIA23

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Hemlock, Eastern	5'-30'	No	Full-crown tree		Foot traffic Soil
compaction						
Mixed	Cherry, black	5'-30'	No			Trash
Hemicryptophytes	Blackgum	>30'	No			
Level	Cool season grass	<5'	No			
Moist	Clover, white	<5'	No			
	Dandelion	<5'	No			

Comments:

This unit is landscaped trees with mowed grass. Eastern hemlock and eastern red cedar have recently been planted. The unit is slightly wetter than other areas. This unit is bordered to the south by Hull Ave and to the east by Mosholu Parkway southbound. Other species include: plantain, violet, Ailanthus, English ivy, burdock.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 17 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.11 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Planetree, London	5'-30'	Yes	Planting	Foot traffic	Soil compaction
Deciduous	Cool season grass	<5'	No			
Hemicryptophytes	Clover, white	<5'	No			
Level	Dandelion	<5'	No			
Dry/Moist						

Comments:

This is a strip of newly planted London plane with mowed grass in the understory. This unit is bordered to the east by E. Mosholu Parkway North.

Unit: 18 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.19 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No			Soil compaction
Deciduous	Clover, white	<5'	No		Foot traffic	Vandalism
Hemicryptophytes	Dandelion	<5'	No			
Level	Crabapple	5'-30'	No			
Dry/Moist						

Comments:

This unit is a mowed lawn with one ornamental crabapple in the unit. To the east is a unit with newly planted London planetrees and E. Mosholu Parkway North.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 19 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.77 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Maple, Norway	>30' & 5-30'	Yes		Foot traffic	Soil compaction
Deciduous	Locust, honey	5'-30'	No	Planting		Trash
Hemicryptophytes	Cool season grass	<5'	No			
Level	Clover, white	<5'	No			
Dry/Moist	Dandelion	<5'	No			

Comments:

This is a mowed grass unit with a large mature Norway maple and scattered honey locust throughout the unit. There is a lot of foot traffic and trash in this unit. This unit is bordered to the west by Mosholu Parkway northbound and to the south by Hull Avenue.

Unit: 20 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 0.12 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No		Foot traffic	Soil compaction
Deciduous	Crabgrass	<5'	No			Trash
Hemicryptophytes	Danelion	<5'	No			
Level						
Dry/Moist						

Comments:

This is a mowed grass unit bordered by E. Mosholu Parkway North to the east and Bainbridge Avenue to the north. Some foot traffic and trash in the unit.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 21 **Date of Visit:** 8/30/2011 **Species Changing:** No
Acreage: 0.98 **Management Concern:** No **Community Structure Changing:** No
Classification: VCD

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scarcely vegetated Deciduous Phanerophytes Level Dry	Basswood, American	>30' & 5-30'	No	Benches Full-crown tree Paved path	Foot traffic	Soil compaction Sports Trash

Comments:

This is Kossuth playground with some planted shade trees and paved ground. Benches on the outside of the playground. Other species: Ailanthus seedlings along the edge of the playground. This unit is bordered to the east by E. Mosholu Parkway North.

Unit: 22 **Date of Visit:** 9/3/2011 **Species Changing:** No
Acreage: 0.49 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

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

Comments:

This is an herbaceous unit between Mosholu Parkway northbound and southbound. This unit is surrounded by another unit dominated by honey locust and Japanese zelkova. This unit is dominated by mowed grass. Significant foot traffic and a fair amount of trash.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 23 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.15 **Management Concern:** No **Community Structure Changing:** No
Classification: VCD

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Scarcely vegetated	Ornamental rose	<5'	Yes	Hedgerow	Foot traffic	Trash
Deciduous	Cool season grass	<5'	No	Exotic	Foot traffic	
Hemicryptophytes	Ornamental birch	<5' & 5-30'	Yes	Paved path		
Level						
Dry						

Comments:

This unit is a parks house and comfort station including the surrounding landscaped plants bordered by Webster Avenue to the south. A manicured hedge of ornamental rose surrounds the unit. The ornamental species include, petunia, arrow arum.

Unit: 24 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.37 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Planetree, London	>30'	Yes	Planting	Foot traffic	Soil compaction
Mixed	Red maple	>30'	No			Trash
Hemicryptophytes	Crabapple	5'-30'	No			
Level	Cool season grass	<5'	No			
Dry/Moist	Clover, white	<5'	No			
	Plantain, common	<5'	No			

Comments:

This unit is an open woodland with landscaped trees and mowed grass. Dominated by large London plane trees, large red maple, many crabapple with mowed grass, plantain and clover in the understory. There is also a yellowwood and a blue spruce tree in this unit. Lots of foot traffic and dog walking. Bordered to the west by E. Mosholu Parkway South.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 25 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.97 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No		Foot traffic	
Deciduous	Plantain, common	<5'	No			
Hemicryptophytes	Clover, white	<5'	No			
Level	Burdock, common		No			
Moist						

Comments:

This is an open flat herbaceous unit between two sloped woodlands making it desirable as a walking corridor. A large oak tree just fell across this area. This unit is dominated by cool season grass, plantain and clover. There are several large bare spots and a drain in the middle of the unit. Used heavily for walking. Bordered to the north by Marion Avenue.

Unit: 26 **Date of Visit:** 9/3/2011 **Species Changing:** No
Acreage: 0.07 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Linden, american	>30' & 5-30'	No	Full-crown tree		Foot traffic Trash
Deciduous	Cool season grass	<5'	No	Paved path		
Hemicryptophytes				Benches		
Level						
Dry						

Comments:

This is a Greenstreets area with landscaped planters, a walkway, benches and several canopy shade trees, mostly linden. Tall ornamental grasses in the planting area along with trimmed ornamental bushes. Other species include: common ragweed, mugwort, burdock, garlic mustard and Norway maple.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 27 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.47 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Cherry, black	>30' & 5-30'	No		Foot traffic	Trash
Deciduous	Oak, red	>30'	No			
Hemicryptophytes	Mulberry, white	all	Yes			
Slope	Hackberry	all				
Dry	Knotweed, Virginia	<5'	No			

Comments:

This woodland unit is planted trees along a slope with terraced erosion control beds and is now naturalized. A lot of mulch has been deposited and some landscaping has been done recently. Natives and invasives are present in relatively equal abundance with dominant species including black cherry, red oak, white mulberry, northern hackberry and Virginia knotweed in the understory. This unit is bordered to the west by E. Mosholu Parkway South and to the north by Hull Avenue. Other species include: violet, mile-a-minute, garlic mustard, dandelion, clover, yarrow, Virginia knotweed, Asiatic day flower, Ailanthus, iris, goldenrod, slippery elm, pokeweed, common ragweed.

Unit: 28 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.68 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Cherry, black	>30' & 5-30'	No	Exotic		Soil compaction
Deciduous	Norway maple	>30' & 5-30'	Yes			Dumping
Hemicryptophytes	Mulberry, white	>30' & 5-30'	Yes			Trash
Slope	Knotweed, Virginia	<5'	No			
Dry	Basswood, American	>30' & 5-30'	No			
	Sassafras	5'-30'	No			

Comments:

This is a woodland unit of planted trees mixed with a native and invasive understory. At both the north and south end of this unit are small areas of landscaped plants not large enough to be their own units. In these landscaped boxes are lily, Carex and mullen. A majority of this unit is dominated by black cherry of all sizes with an understory of mostly Virginia knotweed. Other species include: bitternut hickory, basswood, slippery elm, white ash, goldenrod, garlic mustard, smart weed, clover, birch, Rubus spp., common ragweed, bush honeysuckle, white mulberry, violet, white wood aster, maple leaf viburnum, Asiatic day flower, Japanese silt grass, honey locust.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 29 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.34 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30' & 5-30'	Yes	Full-crown tree		Foot traffic Soil
compaction						
Deciduous	Locust, black	all	Yes	Planting		Dumping
Hemicryptophytes	Hawthorn	5'-30'	No			Trash
Slope	Knotweed, Virginia		No			
Dry/Moist	Cool season grass	<5'	No			

Comments:

This is a woodland unit on a slope bordering Mosholu Parkway southbound and the southern edge of Mosholu Parkway. Dominated by Norway maple, black locust, hawthorne, Virginia knotweed and cool season grass. There are several terraced erosion control beds. Other species include: Great ragweed, white mulberry, pin oak, white ash, Asiatic day flower, dandelion, common ragweed, pokeweed and burdock.

Unit: 30 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.24 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No		Foot traffic	Soil compaction
Deciduous	Plantain, common	<5'	No		Sports	
Hemicryptophytes	Clover, white	<5'	No		Picnic	
Level	Crabgrass	<5'	No			
Dry/Moist						

Comments:

This is an open lawn bordered by landscaped trees. Dominant species include cool season grass, plantain, and clover. Used regularly for sports, picnicking and walking. This unit is in the southeastern section of Mosholu Parkway.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 31 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 1.88 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30'	Yes		Foot traffic	
Deciduous	Mulberry, white	>30' & 5-30'	Yes			
Hemicryptophytes	Oak, pin	>30' & 5-30'	No			
Level	Hornbeam	5'-30'	No			
Dry/Moist	Ornmental pear	5'-30'	Yes			
	Cool season grass	<5'	No			

Comments:

This unit has mature Norway maple and other planted landscape trees with a cool season grass understory. Bordered to the north by Hull Avenue and to the south by Webster Avenue. A lot of foot traffic through unit. Very few other species.

Unit: 32 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 3.35 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Basswood, American	>30'	No		Foot traffic	Soil compaction
Mixed	Pine, white	>30' & 5-30'	No		Picnic	Trash
Hemicryptophytes	Hackberry, northern	>30'	No			
Slope	Norway maple	>30'	Yes			
Dry/Moist	Ash, white	>30'	No			
	Cool season grass	<5'	No			

Comments:

This unit is a landscaped woodland with mature trees and mowed grass. Large American basswood and white pine throughout the unit with a cool season grass and other lawn species in the understory. Other species: Northern hackberry, Norway maple, white ash, Norway spruce, dogwood, crabapple, London plane, dandelion, plantain, smartweed, lambs quarters. Lots of foot traffic, a few desire lines, dog walking and trash within the unit. Bordered by E. Mosholu Parkway and Mosholu Parkway southbound . This unit extends until Bainbridge Avenue and in the middle of the unit a large tree was recently uprooted.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 33 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.35 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Ornamental rose	<5'	Yes	Exotic		
Deciduous	Black eye susans	<5'	No			
Hemicryptophytes	Ornmental grass	<5'	Yes			
Level						
Dry/Moist						

Comments:

This is a Greenstreets landscaped traffic triangle between Grand Concourse and E Mosholu Parkway South and Mosholu Parkway southbound. Many ornamental plants including rose, black eye susan, blue spruce, Norway maple, tiger lily and Carex spp..

Unit: 34 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 1.35 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Basswood, American	>30'	No		Foot traffic	Trash
Mixed	Crabapple	5'-30'	No			
Hemicryptophytes	Hackberry, northern	>30' & 5-30'	No			
Slope	Norway maple	>30'	Yes			
Dry/Moist	Pine, white	5'-30'	No			
	Cool season grass	<5'	No			

Comments:

This is a mowed lawn patch with mature landscaped trees dominated by American basswood, crabapple, littleleaf linden, Norway maple, northern hackberry and white pine. Patches of bare ground occur across the unit and a lot of foot traffic and trash. This unit is between E. Mosholu Parkway and Mosholu Parkway southbound. Other species include: White ash, white mulberry, crabgrass, plantain, smartweed, dandelion, lambs quarters, violet and clover.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 35 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 1.07 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Dogwood, flowering	5'-30'	No	Benches	Foot traffic	Trash
Mixed	Pine, white	>30' & 5-30'	No	Paved path		
Hemicryptophytes	Cool season grass	<5'	No			
Level	Dandelion	<5'	No			
Dry/Moist	Plantain, common	<5'	No			

Comments:

This unit is a landscaped woodland with planted dogwood and white pine. Several paved paths, benches and desire lines throughout the unit. Understory is mowed grass and bare spots. Species include, crabgrass, plantain, smartweed and mugwort. Trash is found throughout the unit.

Unit: 36 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.19 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Cherry, ornamental	5'-30'	Yes		Foot traffic	Trash
Mixed	Dogwood, flowering	5'-30'	No			
Hemicryptophytes	Cool season grass	<5'	No			
Level						
Dry/Moist						

Comments:

This unit is a landscaped woodland with mixed ornamental cherry and dogwood. Many of the planted cherry trees are in poor condition. This unit is in between the bike path and southbound Mosholu Parkway. The understory is mowed grass with crabgrass, dandelion, plantain and smartweed. MC: poor health cherry trees. Other species include: white mulberry, crabapple.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 37 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.75 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30'	Yes		Foot traffic	Trash
Mixed	Ash, white	>30'	No			
Hemicryptophytes	Cool season grass	<5'	No			
Level	Plantain, common	<5'	No			
Dry/Moist	Dandelion	<5'	No			
	Crabgrass	<5'	No			

Comments:

This is a woodland unit dominated by mature landscaped trees with mowed grass in the understory. Mostly dominated by Norway maple with several large ash trees. Bordered by E. Mosholu Parkway North and Bainbridge Avenue. Other species include: London plane, white pine, rock elm. Heavy foot traffic occurs in this unit.

Unit: 38 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.43 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	5'-30'	Yes		Foot traffic	Dumping
Deciduous	Maple, ash leaf	5'-30'	No			Trash
Hemicryptophytes	Cool season grass	<5'	No			
Slope	Crabgrass	<5'	No			
Dry/Moist	Dandelion	<5'	No			

Comments:

This is a woodland unit dominated by Norway maple, younger ornamental maples and an open understory. At the northern edge of the unit are three Norway maples planted in a straight line with a slightly more gravelly understory. This unit is in between E. Mosholu Parkway North and northbound Mosholu Parkway. Other species include: dogwood, lambs quarters.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 39 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.11 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No			Trash
Deciduous	Crabgrass	<5'	No			
Hemicryptophytes	Dandelion	<5'	No			
Slope	Clover, white	<5'	No			
Dry/Moist						

Comments:

This is an open lawn herbaceous unit. A tree has recently been removed making the canopy completely open. A patch of elm sprouts is found in the middle of the stump. This unit is bordered to the east by East Mosholu Parkway. Other species include: honey locust, plantain.

Unit: 40 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.39 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No			
Deciduous	Crabgrass	<5'	No			
Hemicryptophytes	Clover, white	<5'	No			
Level	Plantain, common	<5'	No			
Dry/Moist	Dandelion	<5'	Yes			

Comments:

This is an herbaceous area along the edge of northbound Mosholu Parkway. This unit is bordered to the west by northbound Mosholu Parkway. One small diameter white oak in the unit. Dominant species are cool season grass, crabgrass, white clover and plantain.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 41 **Date of Visit:** 9/12/2011 **Species Changing:** No
Acreage: 2.29 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30'	Yes	Full-crown tree		Picnic Trash
Deciduous	Oak, white	>30'	No	Planting	Foot traffic	Dumping
Hemicryptophytes	Oak, red	>30'	No			
Undulating	Cool season grass	<5'	No			
Dry/Moist	Plantain, common	<5'	No			

Comments:

This is a landscaped woodland dominated by Norway maple and oaks. Mowed grass is in the understory. A lot of foot traffic and trash throughout the unit. Bordered to the North by Jerome Avenue, to the east by E Mosholu Parkway North and to the west by northbound Mosholu Parkway. Other species include: dandelion, mugwort, London plane, smartweed, white wood aster, purple knapweed, and crabgrass.

Unit: 42 **Date of Visit:** 9/1/2011 **Species Changing:** No
Acreage: 2.82 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous	Cool season grass	<5'	No		Foot traffic	
Deciduous	Crabapple	5'-30'	No			
Hemicryptophytes	Cherry, black	5'-30'	No			
Undulating	Oak, pin	5'-30'	No			
Dry/Moist						

Comments:

This is a landscaped unit with a few scattered trees. This is a large unit with mowed grass and planted crabapple. A few scattered white pine trees, black cherry and pin oak. Northbound Mosholu Parkway borders this unit to the west.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 43 **Date of Visit:** 9/12/2011 **Species Changing:** No
Acreage: 0.41 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass	<5'	No		Foot traffic	Soil compaction

Comments:

This is an open lawn unit within a landscaped tree area. The unit is dominated by cool season grass. A few large pin oaks border the unit and a recently planted pin oak is also in the unit. To the east of this unit is E. Mosholu Parkway North.

Unit: 44 **Date of Visit:** 9/12/2011 **Species Changing:** No
Acreage: 0.27 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland Deciduous Hemicryptophytes Knoll Dry/Moist	Locust, black Cherry, black Mugwort Smartweed	>30' & 5-30' 5'-30' <5' <5'	Yes No Yes Yes			Trash Dumping

Comments:

This unit is a rocky outcrop dominated by black locust, black cherry, and white mulberry. Invasives dominate the understory including mugwort, burdock and smartweed. A large white oak in the unit. Management concern: trash and dumping. This unit is south of Jerome Avenue and bordered by E Mosholu Parkway North.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 45 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 0.26 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IA1C

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Pine, white	>30' & 5-30'	No	Full-crown tree		Foot traffic Trash
Evergreen	Cherry, black	5'-30'	No		Foot traffic	
Hemicryptophytes	Crabgrass	<5'	No		Picnic	
Level	Clover, white	<5'	No			
Dry/Moist						

Comments:

This is a small closed canopy unit dominated by mature white pine trees. There is a lot of foot traffic and trash remains from picnicking within this area, especially at the base of the trees. The understory consists of mowed grass and accumulated pine needles. Other species include: Norway maple, clover, plantain and crabgrass. To the east of this unit is a herbaceous unit and East Mosholu Parkway North.

Unit: 46 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 0.52 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	5'-30'	Yes	Full-crown tree		Foot traffic Soil
compaction						
Deciduous	Red maple	5'-30'	No	Planting		
Hemicryptophytes	Northern Hackberry	5'-30'	No			
Level						
Dry/Moist						

Comments:

This is a landscaped tree unit with a mowed understory. This unit is bordered to the south by Van Cortlandt Avenue and to the north by an open herbaceous unit. The dominant overstory is red maple and northern hackberry. A desire line transects the unit.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 47 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 0.75 **Management Concern:** Yes **Community Structure Changing:** No
Classification: IB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Closed Forest	Norway maple	>30' & 5-30'	Yes		Foot traffic	Dumping
Mixed	Pine, white	5'-30'	No			Trash
Hemicryptophytes	Dogwood, red osier	5'-30'	No			
Slope	Hackberry, northern	5'-30'	No			
Dry/Moist	Crabgrass	<5'	No			
	Smartweed	<5'	Yes			

Comments:

This is a invaded Norway maple closed forest unit with a lot of trash and dumping. Many areas are not mowed allowing for mulberry and mugwort to thrive in the under/mid-story along with bare patches of pine needles. There is a rocky outcrop at the northern edge of the unit. Other species include: black locust, honey locust, black cherry, mugwort, Virginia knotweed, Carex spp., burdock, goldenrod.

Unit: 48 **Date of Visit:** 9/9/2011 **Species Changing:** No
Acreage: 0.76 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30' & 5-30'	Yes	Planting	Foot traffic	
Deciduous	Maple, ash leaf	5'-30'	No			
Hemicryptophytes	Oak, pin	>30' & 5-30'	No			
Level	Cool season grass	<5'	No			
Dry/Moist	Plantain, common	<5'	No			
	Dandelion	<5'	No			

Comments:

This is a landscaped unit with mowed grass dominated by Norway maple with some ash leaf maple and a few newly planted pin oaks. Van Cortlandt Avenue is to the North. A heavily used desire line through the unit.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 49 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 1.91 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland compaction Deciduous Hemicryptophytes Level Dry/Moist	Japanese Zelkova	>30' & 5-30'	Yes	Full-crown tree		Foot traffic Soil

Comments:

This is a landscaped woodland horseshoe shaped unit in the median between Mosholu Parkway North and Mosholu Parkway South. This unit is dominated by uniform planted Japanese zelkova with several London plane and slippery elm. The understory is mowed grass, with plantain, carex, smartweed, crabgrass, lambs quarters and dandelion. At the north end of the unit is a greenstreets planter box with annual flowers. The southern edge is Bainbridge Avenue and the northern boundary is Van Cortlandt Avenue.

Unit: 50 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 1.24 **Management Concern:** No **Community Structure Changing:** No
Classification: IVA3a5

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Herbaceous Deciduous Hemicryptophytes Level Dry/Moist	Cool season grass Plantain, common Dandelion Crabgrass	<5' <5' <5' <5'	No No No No		Foot traffic	Soil compaction

Comments:

This is a mowed grass herbaceous unit between the strips of planted Japanese zelkova trees. To the north is Van Cortlandt Avenue and to the south is Bainbridge Avenue. This areas is heavily used for foot traffic.

Mosholu Parkway Entitation Unit Descriptions, Surveyed 2011

Unit: 51 **Date of Visit:** 9/29/2011 **Species Changing:** No
Acreage: 0.38 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Crabapple	5'-30'	No			
Deciduous						
Hemicryptophytes						
Level						
Dry/Moist						

Comments:

This is a triangle shaped median unit between north and southbound Mosholu Parkway. This unit is dominated by crabapple, Japanese zelkova, hackberry, London plane and little leaf linden. The understory is cool season grass.

Unit: 52 **Date of Visit:** 9/2/2011 **Species Changing:** No
Acreage: 0.56 **Management Concern:** No **Community Structure Changing:** No
Classification: IIB2a3

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbances</u>
Woodland	Norway maple	>30' & 5-30'	Yes		Foot traffic	Trash
Deciduous	Mulberry, white	>30' & 5-30'	Yes			Soil compaction
Hemicryptophytes	Oak, pin	>30' & 5-30'	No			
Level	Hornbeam	5'-30'	No			
Dry/Moist	Ornamental pear	5'-30'	Yes			
	Cool season grass	<5'	No			

Comments:

This is a unit with mowed grass and landscape trees. Some areas are fairly open while others have total canopy coverage. Mostly large Norway maple with some mulberry, pin oak, and hornbeam. This unit is bordered to the north by Van Cortlandt Avenue and to the south by Mosholu Parkway and to the east by East Mosholu Parkway North. Landscaped trees become more closely spaced to the south where a new unit starts. Trash, heavy foot traffic is found throughout the unit. Other species include: crabgrass, dandelion, lambs quarters, smartweed, violet and clover.