

# Natural Area Mapping and Inventory of Deere Park 2011 Survey



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## Table of Contents

<b>Table of Contents .....</b>	<b>1</b>
<b>Section I. Deere Park Natural Area Mapping &amp; Inventory .....</b>	<b>2</b>
Introduction.....	2
Entitation.....	4
Acknowledgements.....	4
<b>Section II. Entitation Maps .....</b>	<b>5</b>
Deere Park Entitation .....	5
Cover Type.....	6
Management Concern .....	7
Distribution of Maple Species (Preferred Asian Longhorned Beetle Host Trees).....	8
Distribution of Dumping and Auto .....	9
Concentration of Exotic Species .....	10
Distribution of Oak Species that Dominate the Unit .....	11
<b>Section III. Deere Park Unit Descriptions, Surveyed 2011 .....</b>	<b>12</b>
<b>Section IV. APPENDIX 1: Glossary.....</b>	<b>25</b>
<b>Section V. APPENDIX 2: Species List .....</b>	<b>27</b>

## **Section I. Deere Park Natural Area Mapping & Inventory**

**40 acres**

### *Introduction*

The City of New York Parks & Recreation (DPR) manages one of the most extensive and varied parks 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, the DPR 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.

It is perhaps ironic that Deere Park bears the name of one of the world's foremost manufacturers of farm equipment, John Deere (1804-1886). Deere was born in Rutland, VT and pursued a common school education and four-year apprenticeship as a blacksmith. His workmanship was highly respected, but worsening economic conditions soon forced the young man to move west to Illinois. In 1837, just one year after his arrival in Grand Detour, IL, John Deere made history. From the steel blade of a broken saw, he created the world's first 'self-scouring' plow. His invention solved a pressing problem for farmers attempting to adjust to the rich, sticky Midwestern soil, revolutionizing farming in that region forever.

Deere's innovations did not end with his first success. Using steel imported from England he expanded his company, moving operations to Moline, IL, which remains John Deere's headquarters to this day. Deere's son Charles (1837-1907), who acted as vice president and treasurer since 1867, succeeded him as the president of the company. Charles was the first Deere recorded as the owner of this property. One of Charles's two daughters, Katherine, married William Butterworth, who became the third president of the corporation. It was under Butterworth that Deere & Company took over the Waterloo Gasoline Traction Engine Company, and began producing tractors in 1918. John Deere tractors are now perhaps the company's best known product.

Deere Park is bounded in the north by Michael J. Petrides School, residential homes off Ocean Terrace and a part of Ocean Terrace are south of the park boundary, a woodland once intended for the abandoned Richmond Parkway project lies adjacent to the north and west of the park, and Staten Island Boulevard ends at the eastern edge of the park which is a popular entrance to the park. Another street, southeast of the park, Deere Park Place, was renamed from Saratoga Avenue in 1948 by local law, at the request of Staten Island Borough President Cornelius A. Hall. Parks acquired the land on February 9, 1973 in a land exchange for the property adjacent to the Staten Island Expressway. DPR Commissioner Henry J. Stern named the parkland Deere Park in 1996.

Kettle holes, steep hills and large boulders in Deere Park are marks of glacial movement from the last Ice Age, which ended about 12,000 years ago. The variety of soils deposited during the glacier's passage allowed a diversity of plant and animal species to inhabit the region. Today, these areas function as resting places for

migratory birds. Oaks (*Quercus spp.*) dominate the property, with an undergrowth speckled by azaleas and wild blueberries (*Vaccinium spp.*). Another interesting feature in the park is the exposure of serpentinite rock in the northwestern area of the park. The Blue trail, one of the major hiking trails of the Staten Island Greenbelt, begins at the entrance located at the bottom on Staten Island Boulevard, it leads hikers all the way up the hill to one of the highest points on the eastern seaboard. During the Revolutionary War, the all-encompassing view at this point, near the top of Todt Hill Road and Ocean Terrace, was used as a lookout point for the occupying British forces.

Many owls frequent this park, including the eastern screech-owl (*Otus asio*), northern saw-whet owl (*Aegolius acadicus*), great horned owl (*Bubo virginianus*), and the barn owl (*Tyto alba*). Occasionally, a barred owl (*Strix varia*) from the south will venture this far north. This bird is known as the “Southern Gentleman” because it makes the distinct sound suggestive of “who cooks for you, who cooks for you-all.” Bats come here for shelter and food, and the park’s swamp, ample insect population helps satisfy their appetite; in one year, the average bat consumes fifty times its body weight in insects.

The 40 acres of Deere Park are part of Staten Island’s 2800 acre Greenbelt, a collection of public and private properties, and one of the largest urban parks in the country; a flagship park of the New York City Parks system. The Greenbelt, established in 1984, links the large parks of Staten Island in a continuous band of green and open space through the center of the island and is managed by the DPR Greenbelt Administration and the Greenbelt Conservancy.

The Greenbelt Natural Resource Team (GNRT) oversees the development and implementation of ecologically based management practices throughout Deere Park and the entire Staten Island Greenbelt to preserve the environmental integrity of the natural parkland. In 2011, to continue addressing the natural resource management and restoration needs of the Staten Island Greenbelt, an inventory of Deere Park was conducted by GNRT with the assistance of a New York State Department of Environmental Conservation Urban and Community Forestry Grant. GNRT utilized entitation, a process of identifying and describing ecologically distinct plant communities, using aerial photographs and field reconnaissance. The plant communities were delineated into 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 Deere Park resulted in maps and a database that can be used to locate valuable and threatened areas, plan invasive species management, track future restoration efforts, and indicate possible capital improvement projects in and around the park. The maps and database also serve as a baseline for measuring change over time. Both maps and a report from the database are included in this survey report.

## *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 New York City's urban parklands. 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. Distinction is based on:

- Cover type (e.g. closed forest, vineland, scrub)
- Canopy species composition
- Understory type (e.g. herbs, vines, shrubs),
- Understory species composition.
- Additional factors that define entitation units, such as topography and soil condition (e.g. wet, moist, dry) are recorded.

To prepare for fieldwork, GNRT examines aerial photographs and delineates areas of similar cover. The staff uses the aerial information to create a strategy for delineating entitation units in the area. In the field, boundaries are identified as described above. For each unit, staff records the data listed above, as well as current uses, environmental disturbances, historical indicators, community stability, and comments.

In Deere Park, staff identified 26 discrete vegetation units. To date, High Rock Park, Willowbrook Park and Deere Park have completed entitation inventories in the Greenbelt. High Rock Park was numbered Units 1 to 60, Willowbrook Park numbered Units 61 to 240, and Deere Park begins with Unit #241, ending with Unit #266.

## *Acknowledgements*

Cover page photo credit: Tony Rho

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## Section II. Entitation Maps

### *Deere Park Entitation*

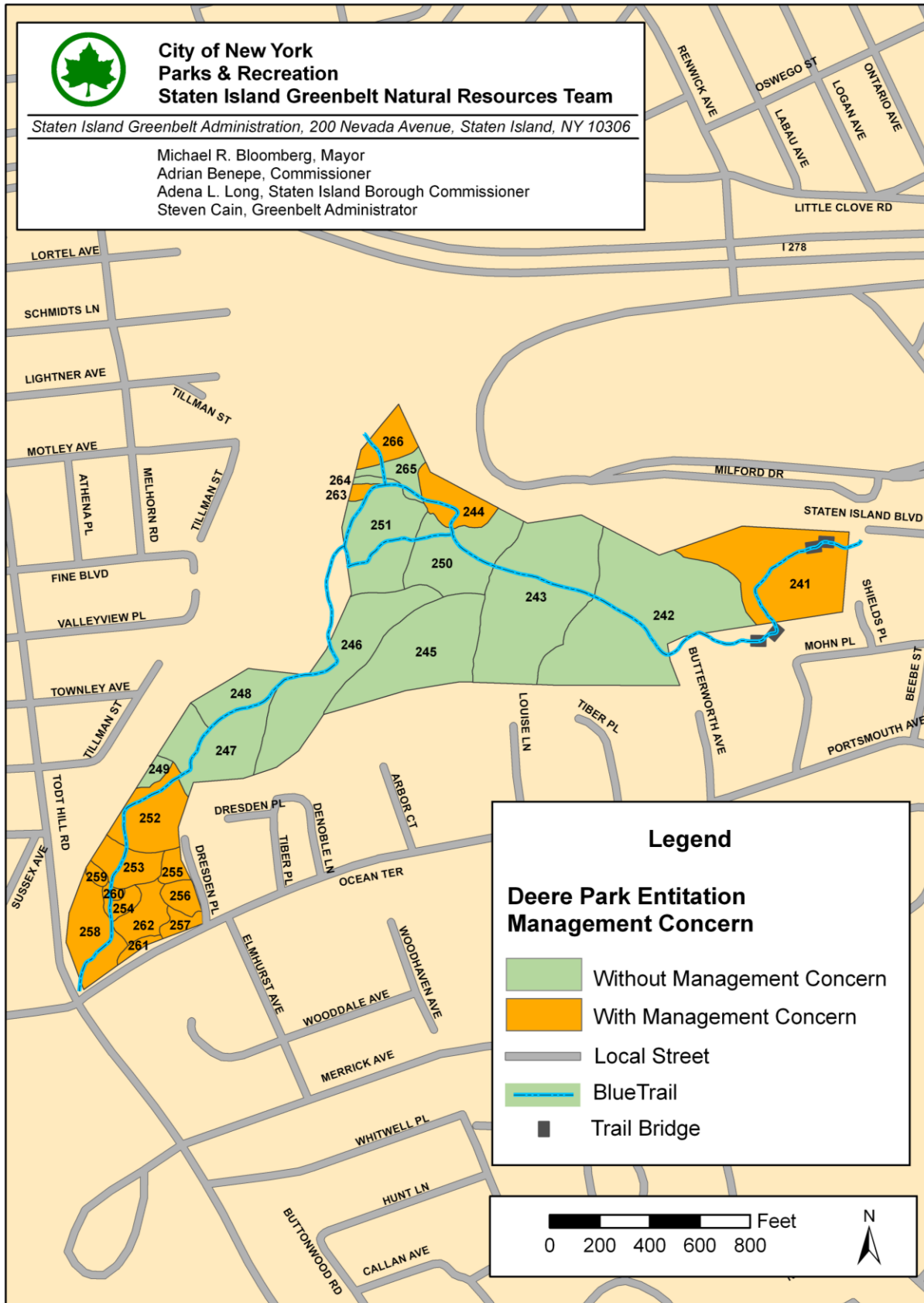


## Cover Type



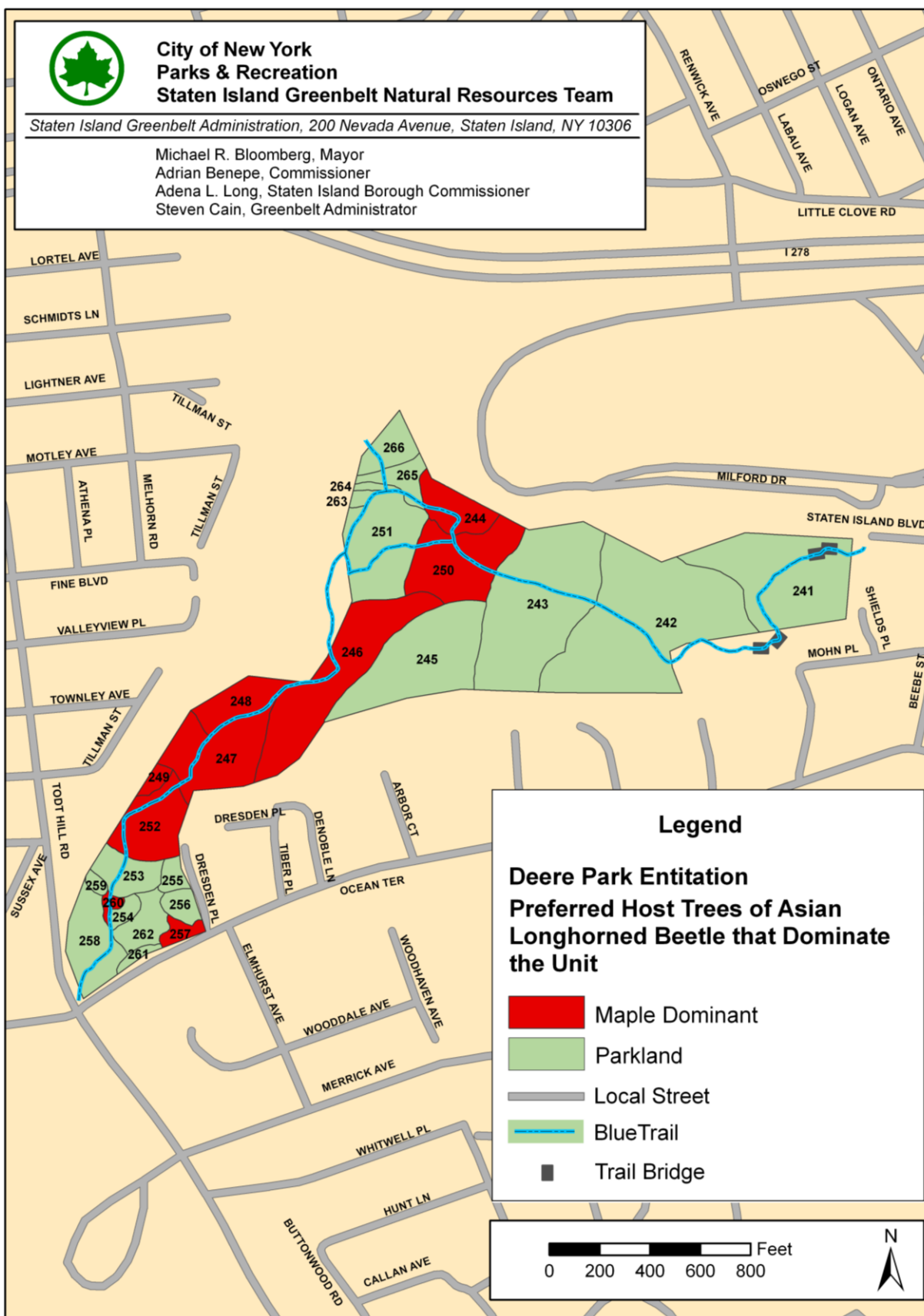


## Management Concern

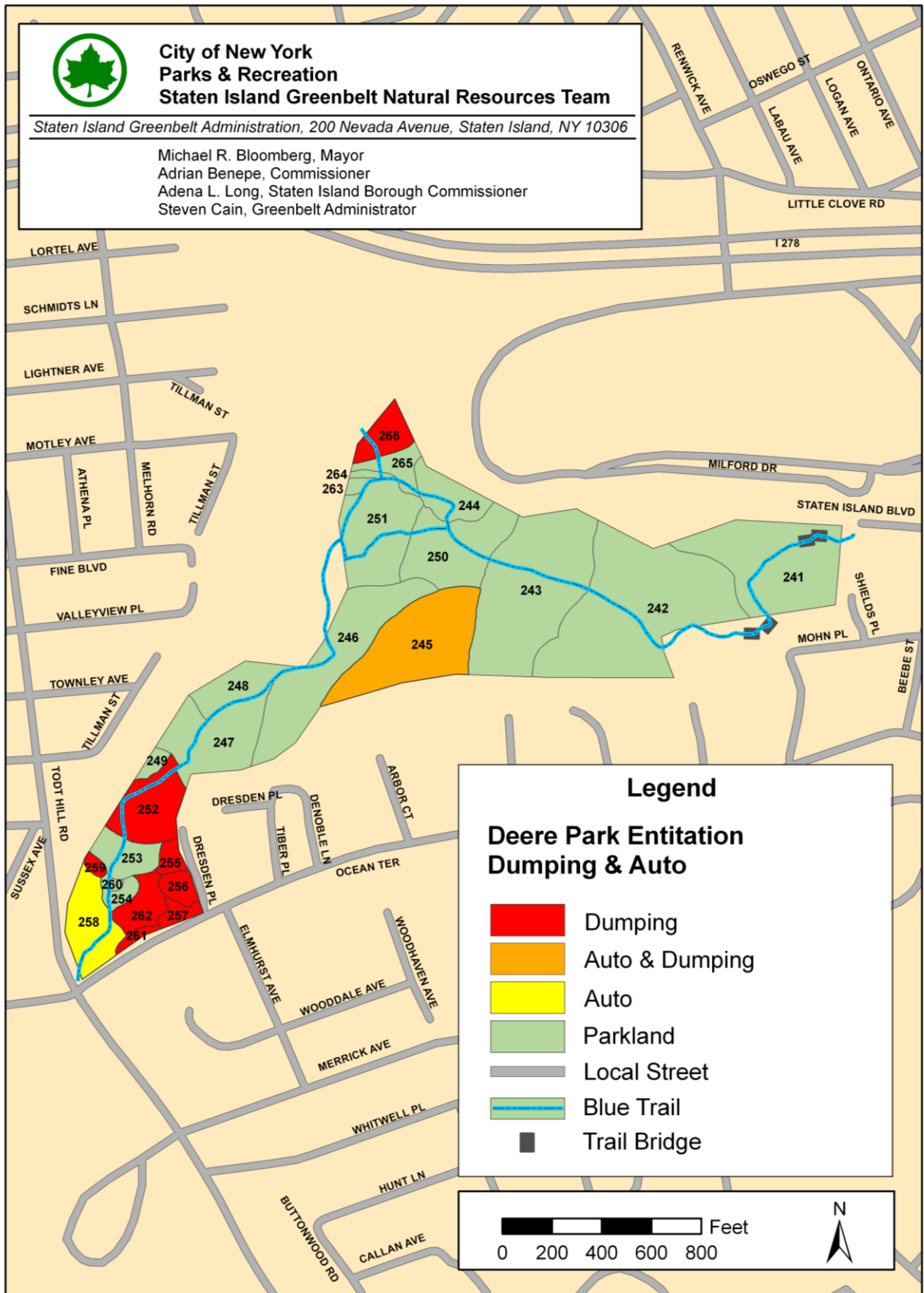




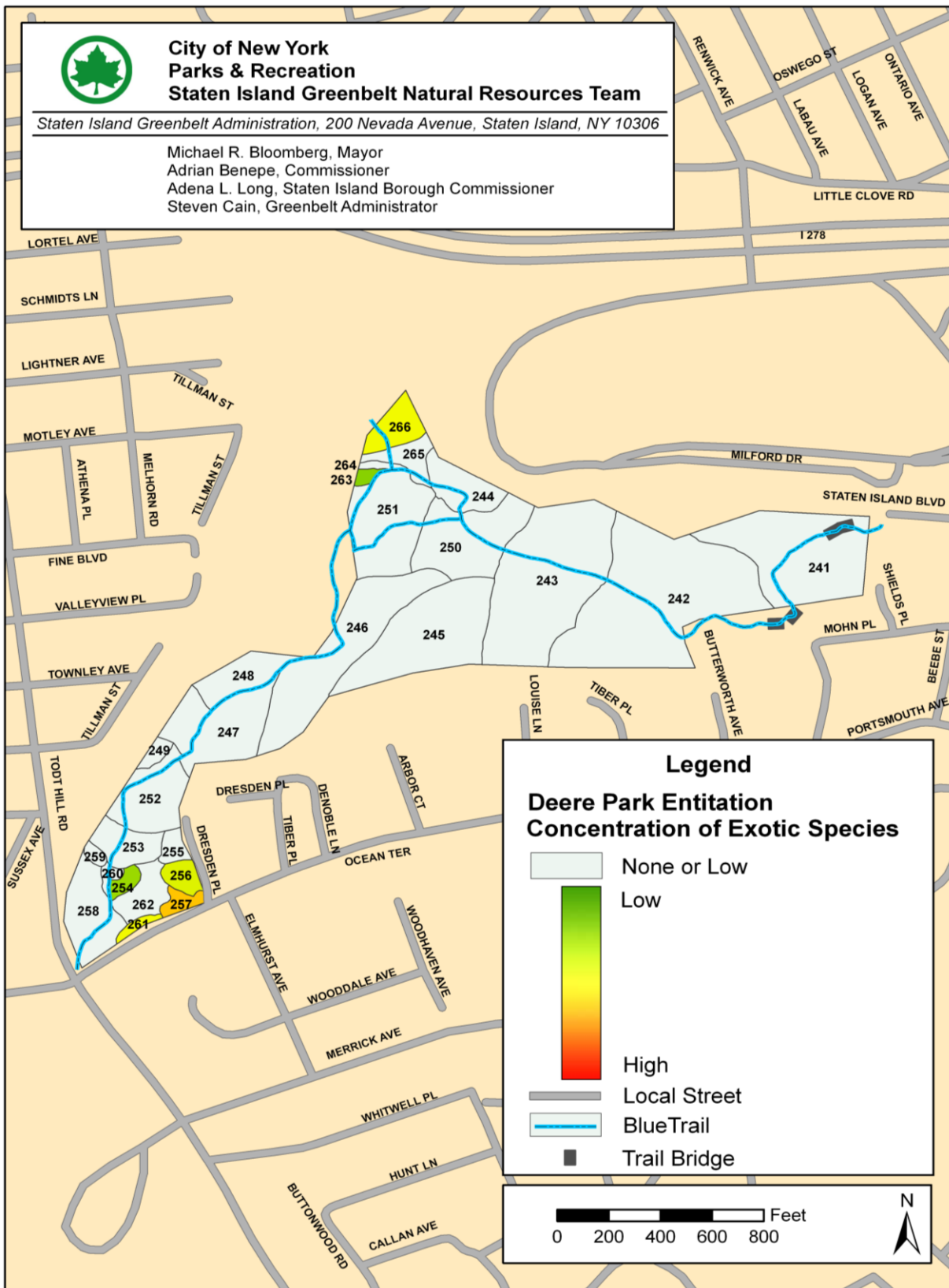
# *Distribution of Maple Species (Preferred Asian Longhorned Beetle Host Trees)*



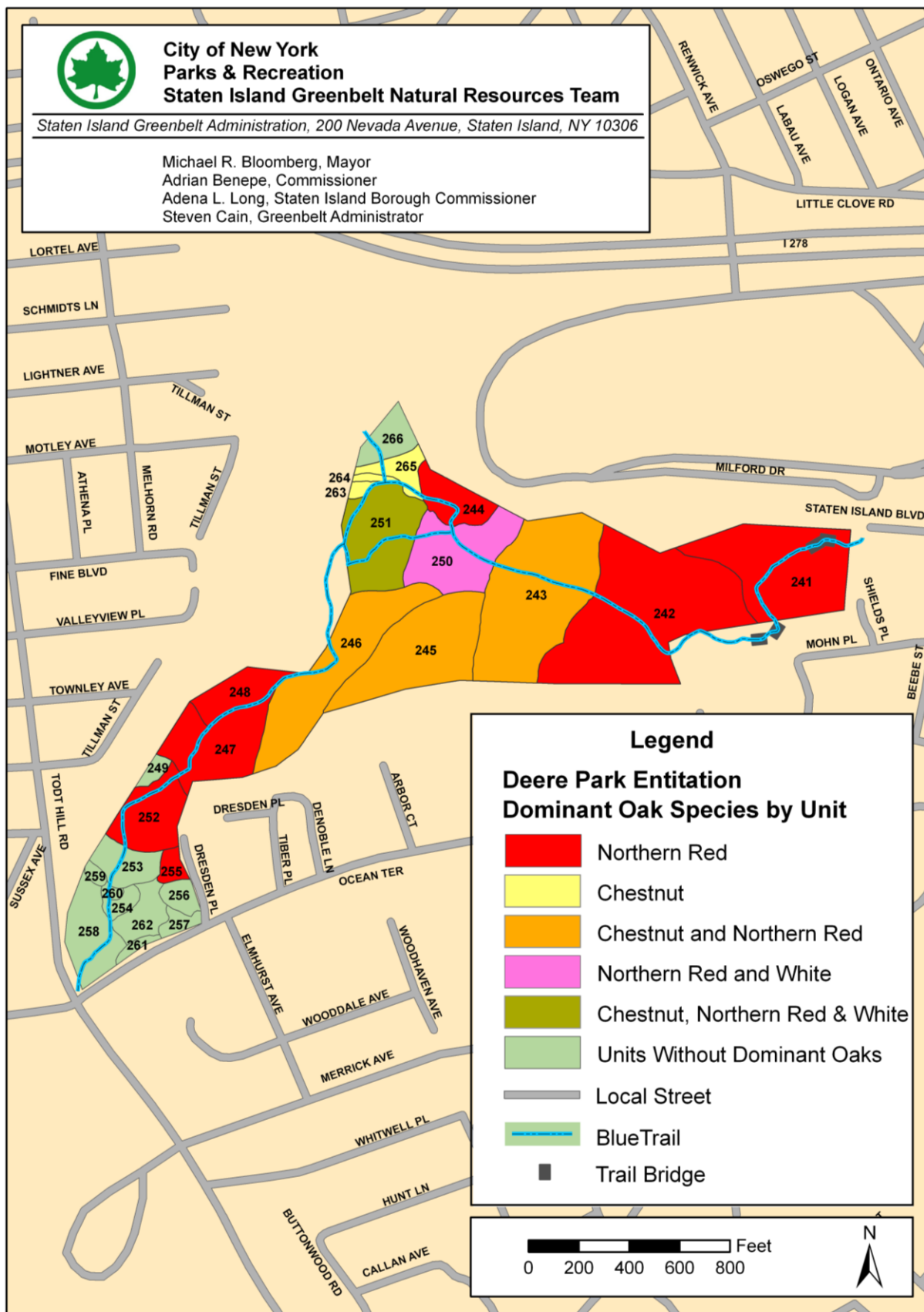
# Distribution of Dumping and Auto



## Concentration of Exotic Species



# Distribution of Oak Species that Dominate the Unit



### Section III. Deere Park Unit Descriptions, Surveyed 2011

#### Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 241  
**Acreage:** 4.0192  
**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	5'-30'		Fence	Foot traffic	Erosion
Deciduous	Oak, northern red	>30'			Sports	Deer Rub
Chamaephytes	Blueberry, lowbush	<5'			Picnic	
Undulating	Birch, black	5'-30'				
Dry/Moist	Azalea, pinxter	<5'				
	Viburnum, mapleleaf	<5'				

#### Comments:

This unit is a closed forest dominated by Northern red oaks and Sweetgum. It is located in the eastern part of the park and adjacent to the southern boundary of Petrides School. The Blue trail runs through the unit and a small ephemeral stream runs through the western part. A utility ROW runs through the northern edge. A large stream runs through the center from south to north. Other spp.: American beech, Red maple, Catbrier, Spicebush, Black cherry, Blackgum, American hornbeam, Yew, Rubus, White oak, Sassafras, Moss spp, Eastern white pine, Goldenrod, Pin oak. MC: Norway maple, erosion, Japanese barberry, Sarsaparilla, Japanese honeysuckle, Japanese stiltgrass, Japanese knotweed, Mugwort, Wild onion, deer rub.

**Unit:** 242  
**Acreage:** 6.9255  
**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'			Foot traffic	Erosion
Deciduous	Oak, northern red	>30'				Deer Rub
Chamaephytes	Azalea, pinxter	<5'				Trash
Depression						
Dry/Moist						

#### Comments:

This unit is a closed forest adjacent to Petrides School. The unit is in the eastern section of the park and extends from the northern boundary to the southern boundary. The Blue trail goes through the unit. It is an undulating unit that dramatically loses elevation from the south to north. There is a lot of down woody debris. There was deer rub, some trash and dumping in the unit. Other spp.: American holly, Black oak, Yew, Eastern white pine, Arrowwood, Spicebush, Red maple, American beech, Gray birch, Black cherry, Sarsaparilla, Mapleleaf viburnum, Cranberry viburnum, Catbrier, Lowbush blueberry, Hickories, Rubus, Chestnut oak, Hazelnut spp., Japanese honeysuckle, Multiflora rose, Garlic mustard, Wisteria, Winged euonymous, Japanese barberry, Japanese knotweed.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 243  
**Acreage:** 5.3444  
**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	Oak, chestnut	<5', 5-30', >30'			Foot traffic	
Deciduous	Oak, northern red	5'-30'				
Chamaephytes	Blueberry, highbush	<5'				
Undulating	Birch, black	5'-30'				
Dry/Moist						

### Comments:

This unit is a closed forest, and is bordered by Petrides School on the north while the south boundary is adjacent to homes on Louise Street. The unit is dominated by Northern red oak and Chestnut oak. There is also deer activity in the unit. Other spp.: White oak, Sweetgum, Sassafras, Catbrier, Sweet pepperbush, Chokeberry, Lowbush blueberry, Pinkster azalea, American beech, Black oak, Arrowwood, Sarsaparilla, Spicebush, Multiflora rose, Japanese honeysuckle.

**Unit:** 244  
**Acreage:** 0.9823  
**Mgmt. Concern:** Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Oak, northern red	>30'		Fence	Foot traffic	Deer Rub
Deciduous	Sweetgum	>30'				Trash
Chamaephytes	Pepperbush, sweet	<5'				Boundary
Depression	Blueberry, highbush	<5'				
Moist	Red maple	5'-30'				

### Comments:

This unit is a closed forest. It is dominated by Sweetgum and Northern red oak. The unit is located adjacent to a fence that borders some storage buildings from the adjacent school. According to our map, parts of these buildings as well as the fence fall within the unit. Other spp.: Chestnut oak, American beech, Pin oak, Pinxter azalea, White oak, Black oak, Black cherry. MC: Mugwort, Multiflora rose, trash, Poison ivy, deer rub, boundary.



## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 245  
**Acreage:** 3.4614  
**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	Oak, northern red	>30' & 5-30'			Foot traffic	Erosion
Deciduous	Oak, chestnut	<5', 5-30', >30'				Auto
Chamaephytes	Sassafras	<5', 5-30', >30'				Dumping
Slope	Blueberry, highbush	<5' & 5-30'				
Dry/Moist	Oak, white	<5', 5-30', >30'				
	Viburnum, mapleleaf	<5'				

### Comments:

This unit is a closed forest. It is north of Arbor Court. The unit is predominantly an Oak and Sassafras complex with a good understory of Mapleleaf viburnum and Highbush blueberry. Other spp.: Black cherry, Gray birch, Red maple, Poison ivy, Catbrier, Black birch, Japanese knotweed.

**Unit:** 246  
**Acreage:** 3.6026  
**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	Blueberry, highbush	<5' & 5-30'			Foot traffic	Erosion
Deciduous	Oak, chestnut	<5', 5-30', >30'				
Chamaephytes	Oak, northern red	<5', 5-30', >30'				
Slope	Red maple	<5', 5-30', >30'				
Dry/Moist	Viburnum, mapleleaf	<5'				
	Sassafras	<5', 5-30', >30'				

### Comments:

This is a closed forest dominated by oak species in the canopy and Highbush blueberry in the understory with mixed species of phanerophytes. A part of the Blue trail traverses through the unit by a footbridge crossing going up toward high ground. Other spp.: Catbrier, Populus spp., Black cherry, Poison ivy, Sweetgum, American beech, Tuliptree, White oak, Black oak, Swamp white oak, Flowering dogwood, Hickories, Japanese knotweed, Garlic mustard, Japanese angelica-tree.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 247  
**Acreage:** 2.2655  
**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	Oak, northern red	<5', 5-30', >30'			Foot traffic	Erosion
Deciduous	Cherry, black	<5', 5-30', >30'				Soil compaction
Phanerophytes	Viburnum, mapleleaf	<5'				
Slope	Red maple	<5', 5-30', >30'				
Dry/Moist	Rubus	<5'				

### Comments:

This is a closed forest which is predominately Oak, Sweetgum and American beech with Black cherry regenerating in the understory. A few seasonal streams start from the units perimeter and flow towards the Blue trail. Other spp.: Sassafras, Rubus, Red maple, Arrowwood, Chestnut oak, Hickories, Highbush blueberry, Japanese angelica-tree, American hornbeam, Yew, Hickories.

**Unit:** 248  
**Acreage:** 0.9949  
**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	Oak, northern red	>30'			Foot traffic	
Deciduous	Red maple	5'-30'				
Phanerophytes	Beech, American	5'-30'				
Undulating	Birch, black	5'-30'				
Dry/Moist						

### Comments:

This is a closed forest. It is located west of the Blue trail and approximately 300 feet east of Tillman street. The unit contains mostly Northern red oak and American beech in the overstory with American beech saplings in the understory. There is an ephemeral stream in the unit. Other spp.: Blackhaw, Blackgum, American hornbeam, Grape, American elm, White oak, Black oak, Sweetgum, Catbrier, Rubus, Black cherry, Blueberry spp., Japanese knotweed, Mapleleaf viburnum, Japanese snowbell.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 249  
**Acreage:** 0.2003  
**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'				
Deciduous	Catbrier	<5'				
Lianas	Sassafras	<5'				
Slope						
Dry/Moist						

### Comments:

This is a closed forest dominated by Sassafras. It is west of the Blue trail and southeast of Tillman Street. Other spp.: Northern red oak, Lowbush blueberry.

**Unit:** 250  
**Acreage:** 2.3839  
**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	Oak, northern red	<5', 5-30', >30'			Foot traffic	
Deciduous	Viburnum, mapleleaf	<5'				
Phanerophytes	Oak, white	5'-30'				
Slope	Blueberry, highbush	<5'				
Dry/Moist	Red maple	<5', 5-30', >30'				

### Comments:

This is a closed forest located in the northwest area of the park. It is adjacent to the northern boundary of the park and to a unit of Sweetgum and Red maple. The Blue trail goes through the unit. The unit is mostly a downward slope to the north and is dominated by oaks. Other spp.: Sweetgum, Poison ivy, Hickories.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 251  
**Acreage:** 2.4759  
**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	Oak, chestnut	<5', 5-30', >30'			Foot traffic	
Deciduous	Oak, northern red	<5', 5-30', >30'				
Phanerophytes	Oak, white	<5', 5-30', >30'				
Slope	Blueberry, highbush	<5' & 5-30'				
Dry/Moist						

### Comments:

This unit is a closed forest composed mostly of Chestnut oak and Northern red oak. The Blue trail goes through it. It borders the west boundary of the park. There is a small ephemeral pond in the unit. Other spp.: Black cherry, Gray birch, American beech, Sweetgum, Red maple, Black birch, Mapleleaf viburnum, Hickories, Mugwort.

**Unit:** 252  
**Acreage:** 1.5614  
**Mgmt. Concern:** Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Oak, northern red	<5', 5-30', >30'			Foot traffic	Dumping
Deciduous	Catbrier	<5'				Trash
Chamaephytes	Red maple	<5', 5-30', >30'				Deer Rub
Slope	Sweetgum	<5', 5-30', >30'				
Dry/Moist	Sassafras	5'-30'				
	Tuliptree	<5', 5-30', >30'				

### Comments:

This unit is a closed forest. It is located in the western part of the park between Todt Hill Road and the end of Dresden Place. The Blue trail runs through the unit with a couple of ephemeral streams that run over the trail. A hawk was seen. Other spp.: Arrowwood, Gray birch, Black birch, Highbush blueberry, Poison ivy, Rubus, American beech, Black oak, Black cherry, Ornamental cherry, Shagbark hickory, American hornbeam, Mapleleaf viburnum, Pin oak, Pokeweed, Hickories, White oak, Rubus. MC: Deer rub, trash, dumping, Norway maple, Porcelain-berry, Cool season grass, Mugwort, Catbrier, air quality.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 253  
**Acreage:** 0.8475  
**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	5'-30'			Foot traffic	Air Quality
Deciduous	Catbrier	<5'				Deer Rub
Chamaephytes	Cherry, black	<5'				Trash
Slope	Raspberry, black	<5'				
Dry/Moist	Grape, fox	5'-30'				

### Comments:

This unit is a closed forest located in the southwest arm of the park between Todt Hill Road and Dresden Place. The Blue trail runs through the unit and Sassafras dominate the overstory with catbrier in the understory. Deer rub and droppings were also observed. Other spp.: Bigtooth aspen, Red maple, Gray birch, Hickories, Poison ivy, Virginia creeper, Tuliptree. MC: Trash, Catbrier, air quality, deer rub.

**Unit:** 254  
**Acreage:** 0.2249  
**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 angelica-tree	5'-30'	Yes		Foot traffic	Trash
Deciduous	Sweetgum	>30'				Deer Rub
Chamaephytes	Catbrier	<5'				Air Quality
Undulating	Arrowwood	<5'				
Moist	Ivy, poison	<5'				
	Virginia creeper	5'-30'				

### Comments:

This unit is a woodland located in the southwest arm of the park between Todt Hill Road and Dresden Place. It borders part of the Blue trail. The dominant species is Japanese angelica-tree, and deer rub was observed on the Japanese angelica-tree. Other spp.: Red maple, Northern red oak, Pin oak. MC: Japanese knotweed, deer rub, trash, Japanese honeysuckle, air quality, Japanese angelica-tree.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 255  
**Acreage:** 0.2737  
**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	Catbrier	<5'				Trash
Deciduous	Sweetgum	>30'				Air Quality
Lianas	Oak, northern red	5'-30'				Dumping
Undulating	Cherry, black	>30'				
Dry/Moist	Tuliptree	5'-30'				

### Comments:

This unit is a closed forest with Catbrier dominating the understory. The unit is between Dresden Place and a Sassafras dominated unit. There is a fire hydrant in the unit and utility poles/lines along Dresden Place. There is evidence of deer in the unit (deer droppings). Other spp.: Rubus, Ornamental cherry, Pokeweed, Sassafras, Poison ivy, Virginia creeper, Red maple. MC: Catbrier, trash, Japanese angelica-tree, Japanese honeysuckle, English ivy, Periwinkle, Japanese holly, Wild onion, trash, dumping, air quality.

**Unit:** 256  
**Acreage:** 0.3730  
**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'				Trash
Deciduous	Catbrier	<5'				Dumping
Lianas	Ivy, English	5'-30'	Yes			Deer rub
Undulating	Ailanthus	<5', 5'-30', >30'	Yes			
Dry/Moist	Japanese angelica-tree	5'-30'	Yes			

### Comments:

This unit is a closed forest located on Dresden Place in the southwest arm of the park close to Ocean Terrace. The unit has a mix of Ailanthus, Sweetgum and English ivy. There is a utility line and light pole on Dresden Place that falls within the unit. Other spp.: Ornamental cherry, Red maple, Northern red oak, Black cherry, Hickories, Pokeweed, Rubus, Mock-orange, Poison ivy, Sassafras, Virginia Creeper, Rose-of-Sharon. MC: Trash, dumping, English ivy, Catbrier, Japanese angelica-tree, deer rub, Ailanthus, Japanese honeysuckle, Wild onion, Garlic mustard, Norway maple, Crabapple, Mugwort, air quality, Snowdrops, Japanese maple, Multiflora rose.



## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 257  
**Acreage:** 0.2735  
**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	Catbrier	<5'				Trash
Deciduous	Mugwort	<5'	Yes			Dumping
Lianas	Honeysuckle, Japanese	<5'	Yes			Air Quality
Undulating	Ailanthus	5'-30'	Yes			
Dry/Moist	Ivy, poison	<5'				
	Norway maple	5'-30'	Yes			

### Comments:

This is a woodland unit at the corner of Dresden Place and Ocean Terrace in the southwest arm of Deere Park. The unit is a management concern due to non-native invasive trees, vines, Multiflora rose and Mugwort. Other spp.: Pokeweed, Black cherry, Ornamental cherry, Virginia creeper, Tuliptree, Sweetgum, Northern red oak, Elderberry, Rubus. MC: Ailanthus, Japanese honeysuckle, Mugwort, Catbrier, Norway maple, English ivy, Wild onion, trash, dumping, Multiflora rose, air quality.

**Unit:** 258  
**Acreage:** 1.4674  
**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	<5', 5-30', >30'			Foot traffic	Trash
Deciduous	Catbrier	<5'				Auto
Chamaephytes	Cherry, black	5'-30'				Deer Rub
Slope	Arrowwood	5'-30'				
Dry/Moist	Cherry, sweet	5'-30'				

### Comments:

This unit is a closed forest located in the southwestern arm of the park at the corner of Todt Hill Road and Ocean Terrace. The overstory is mostly Sweetgum. The Blue trail runs through the unit ending at the corner of Todt Hill Road and Ocean Terrace. Other spp.: Spicebush, Sassafras, Highbush blueberry, Virginia creeper, Rubus, Tuliptree, American beech, Poison ivy, Red maple, Northern red oak, Black oak. MC: Catbrier, deer rub, hazard trees, Norway maple, Japanese honeysuckle, Mugwort, Wild onion, air quality, Japanese angelica-tree, automobile.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 259  
**Acreage:** 0.1262  
**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	Catbrier	<5'				Trash
Deciduous	Sweetgum	5'-30'				Dumping
Lianas	Tuliptree	5'-30'				Air Quality
Depression	Arrowwood	<5'				
Dry/Moist						

### Comments:

This is a vineland, located in the southwest arm of the park. The unit is located between the Blue trail and Todt Hill Road. The unit is mostly dominated by Catbrier. Other spp.: Spicebush, Rubus, Red maple, Black cherry. MC: Catbrier, trash, dumping, air quality.

**Unit:** 260  
**Acreage:** 0.1378  
**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'			Foot traffic	Trash
Deciduous	Catbrier	<5'				Air Quality
Lianas	Sweetgum	5'-30'				
Slope						
Moist						

### Comments:

The unit is a closed forest with the Blue trail running through it. The unit is in the southwest arm of the park, 200 feet east of Todt Hill Road and 300 feet north of Ocean Terrace. It is a very wet area. Other spp.: Blackgum, Fox grape, Virginia creeper, Gray birch, Sweet cherry, Sassafras. MC: Catbrier, trash, air quality.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 261  
**Acreage:** 0.1501  
**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	Knotweed, Japanese	<5' & 5-30'	Yes			Trash
Deciduous	Sweetgum	>30'				Dumping
Geophytes	Ailanthus	<5', 5-30', >30'	Yes			
Slope	Catbrier	<5' & 5-30'				
Dry/Moist						

### Comments:

This is a woodland. It is adjacent to Ocean Terrace. Other spp.: Poison ivy, Sassafras, Linden spp., Northern red oak, Black cherry. MC: Japanese knotweed, Ailanthus, trash, Norway maple, Paper mulberry, dumping.

**Unit:** 262  
**Acreage:** 0.7329  
**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'				Trash
Deciduous	Arrowwood	<5' & 5-30'				Dumping
Chamaephytes	Ivy, poison	<5', 5-30', >30'				
Slope	Catbrier	<5' & 5-30'				
Dry/Moist	Spicebush	<5' & 5-30'				

### Comments:

This is a closed forest. Large Sweetgum trees form the canopy. The unit is at the end of the southern part of the park near Ocean Terrace and halfway between Todt Hill Road and Dresden Place. There is a healthy understory of Spicebush. Seven deer were spotted. Other spp: Virginia creeper, Red maple, Sweet cherry, Black cherry, Tuliptree, Spicebush and Blackberry. MC: Japanese angelica-tree, Japanese knotweed, trash, dumping.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 263  
**Acreage:** 0.1239  
**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	Grass spp.	<5'			Foot traffic	
Deciduous	Mugwort	<5'	Yes			
Geophytes	Oak, chestnut	<5'				
Undulating						
Dry/Moist						

### Comments:

This is a meadow. There are serpentinite outcrops along the traversing Blue trail. The unit is approximately 500 ft. west of Petrides School and the Staten Island Expressway can be seen from the unit. Other spp: Aster spp., Moss spp., Plantain spp. MC: Black locust, Mugwort.

**Unit:** 264  
**Acreage:** 0.1116  
**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	Sassafras	<5', 5-30', >30'			Foot traffic	Trash
Deciduous	Oak, chestnut	<5' & 5-30'				
Phanerophytes	Cherry, black	<5' & 5-30'				
Knoll	Rubus	<5'				
Dry						

### Comments:

This is a woodland located in the northern tip of the park. It is adjacent to the Blue trail and a meadow. Young tree saplings are regenerating on top of a ridge. Other spp: Grasses, Poison ivy, Catbrier, Mountain Laurel, Japanese honeysuckle.

## Deere Park Unit Descriptions, Surveyed 2011

**Unit:** 265  
**Acreage:** 0.5600  
**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	Oak, chestnut	<5', 5-30', >30'			Foot traffic	Trash
Deciduous	Sassafras	<5', 5-30', >30'				
Chamaephytes	Blueberry, highbush	<5' & 5-30'				
Undulating	Arrowwood	<5' & 5-30'				
Dry/Moist						

### Comments:

This is a closed forest in the northern tip of the park. The northern boundary is a natural gas pipeline and the unit is bounded by a fence separating Petrides School. The unit contains numerous Chestnut oaks and Highbush blueberry. Other spp: Wintergreen spp., Black cherry, Lowbush blueberry, White oak, Red maple, Grasses, Black birch, Pinkster azalea, Northern red oak, Ailanthus, and Mugwort.

**Unit:** 266  
**Acreage:** 0.7287  
**Mgmt. Concern:** Yes

<u>Site:</u>	<u>Species</u>	<u>Height</u>	<u>Exotic</u>	<u>Historical</u>	<u>Uses</u>	<u>Disturbance</u>
Closed Forest	Locust, black	<5', 5-30', >30'	Yes	Road	Foot traffic	Erosion
Deciduous	Knotweed, Japanese	<5' & 5-30'	Yes	Landfill		Dumping
Geophytes	Elm, American	<5', 5-30', >30'				Trash
Depression	Bittersweet	<5', 5-30', >30'	Yes			
Dry/Moist	Sassafras	<5', 5-30', >30'				
	Honeysuckle, Japanese	<5', 5-30', >30'	Yes			

### Comments:

This is a closed forest and a natural gas pipeline travels through the unit. An old Staten Island Expressway ramp borders the northwest edge of the unit. The unit is heavily clustered with invasive species. Other spp: Ash spp., Blackberry, Northern red oak, Virginia creeper, Sweetgum, Grape spp., Grasses. MC: Multiflora rose, Asiatic bittersweet, Black locust, Ailanthus, Garlic mustard, Japanese stiltgrass, trash, Japanese knotweed, Mugwort, White mulberry, Porcelain-berry, Japanese honeysuckle, dumping, erosion.

## Section IV. APPENDIX 1: 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 100 in 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, grass like plants, and herbaceous plants are predominant. Woody plants may be sparingly present, but cover less than 30% of area.

**Intertidal community:** 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. It is 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.

## Section V. APPENDIX 2: Species List

The following list of species are found in the Northeast United States.

Common Name	Scientific Name	Common Name	Scientific Name
Adam's needle	<i>Yucca filamentosa</i>	arrowfeather threeawn	<i>Aristida purpurascens</i>
adder's-mouth orchid	<i>Malaxis spp.</i>	arrowhead	<i>Sagittaria spp.</i>
agrimony	<i>Agrimonia gryposepala</i>	arrowhead rattlebox	<i>Crotalaria sagittalis</i>
alder	<i>Alnus spp.</i>	arrowleaf tearthumb	<i>Polygonum sagittatum</i>
alfalfa	<i>Medicago spp.</i>	arrowleaf violet	<i>Viola sagittata</i>
algae spp.		arrowwood	<i>Viburnum dentatum</i>
alkaligrass	<i>Puccinellia spp.</i>	ash	<i>Fraxinus spp.</i>
Allegheny blackberry	<i>Rubus allegheniensis</i>	Asian flatsedge	<i>Cyperus amuricus</i>
Allegheny monkeyflower	<i>Mimulus ringens</i>	Asiatic bittersweet	<i>Celastrus orbiculatus</i>
alternateleaf dogwood	<i>Cornus alternifolia</i>	Asiatic dayflower	<i>Commelina communis</i>
alumroot	<i>Heuchera spp.</i>	asparagus	<i>Asparagus spp.</i>
American alumroot	<i>Heuchera americana</i>	aster	<i>Eurybia spp.</i>
American basswood	<i>Tilia americana</i>	aster	<i>Ionactis spp.</i>
American beachgrass	<i>Ammophila breviligulata</i>	aster	<i>Oclemena spp.</i>
American beech	<i>Fagus grandifolia</i>	aster	<i>Symphotrichum spp.</i>
American bittersweet	<i>Celastrus scandens</i>	Atlantic mannagrass	<i>Glyceria obtusa</i>
American bladdernut	<i>Staphylea trifolia</i>	Atlantic white cedar	<i>Chamaecyparis thyoides</i>
American bur-reed	<i>Sparganium americanum</i>	Austrian pine	<i>Pinus nigra</i>
American cancer-root	<i>Conopholis americana</i>	autumn coralroot	<i>Corallorhiza odontorhiza</i>
American chestnut	<i>Castanea dentata</i>	autumn olive	<i>Elaeagnus umbellata</i>
American elm	<i>Ulmus americana</i>	avens	<i>Geum spp.</i>
American false pennyroyal	<i>Hedeoma pulegioides</i>	bald brome	<i>Bromus racemosus</i>
American featherfoil	<i>Hottonia inflata</i>	baldcypress	<i>Taxodium distichum</i>
American hazelnut	<i>Corylus americana</i>	balsam fir	<i>Abies balsamea</i>
American holly	<i>Ilex opaca</i>	balsam poplar	<i>Populus balsamifera</i>
American hornbeam	<i>Carpinus caroliniana</i>	baneberry	<i>Actaea spp.</i>
American ipecac	<i>Euphorbia ipecacuanhae</i>	barbed bristlegrass	<i>Setaria verticilliformis</i>
American mannagrass	<i>Glyceria grandis</i>	barley	<i>Hordeum spp.</i>
American mountain ash	<i>Sorbus americana</i>	barnyardgrass	<i>Echinochloa crus-galli</i>
American plum	<i>Prunus americana</i>	basil mountainmint	<i>Pycnanthemum clinopodioides</i>
American pokeweed	<i>Phytolacca americana</i>	bastard toadflax	<i>Comandra umbellata</i>
American red raspberry	<i>Rubus idaeus</i>	bay forget-me-not	<i>Myosotis laxa</i>
American senna	<i>Senna hebecarpa</i>	bayberry	<i>Morella spp.</i>
American speedwell	<i>Veronica americana</i>	beach clotbur	<i>Xanthium strumarium</i>
American strawberry bush	<i>Euonymus americanus</i>	beach false foxglove	<i>Agalinis fasciculata</i>
American sycamore	<i>Platanus occidentalis</i>	beach pea	<i>Lathyrus japonicus</i>
American water plantain	<i>Alisma subcordatum</i>	beach plum	<i>Prunus maritima</i>
American white waterlily	<i>Nymphaea odorata</i>	beach sedge	<i>Carex silicea</i>
American wintergreen	<i>Pyrola americana</i>	beaked spikerush	<i>Eleocharis rostellata</i>
American witchhazel	<i>Hamamelis virginiana</i>	beaksedge	<i>Rhynchospora spp.</i>
American yew	<i>Taxus canadensis</i>	bear oak	<i>Quercus ilicifolia</i>
Amur corksree	<i>Phellodendron amurense</i>	Bebb willow	<i>Salix bebbiana</i>
Amur honeysuckle	<i>Lonicera maackii</i>	bedstraw	<i>Galium spp.</i>
Amur maackia	<i>Maackia amurensis</i>	beech	<i>Fagus spp.</i>
Amur maple	<i>Acer ginnala</i>	beechdrops	<i>Epifagus virginiana</i>
anemone	<i>Anemone spp.</i>	beechfern	<i>Phegopteris spp.</i>
anisescented goldenrod	<i>Solidago odora</i>	beggarticks	<i>Bidens spp.</i>
annual bluegrass	<i>Poa annua</i>	bellwort	<i>Uvularia spp.</i>
annual canarygrass	<i>Phalaris canariensis</i>	bent sedge	<i>Carex styloflexa</i>
annual wildrice	<i>Zizania aquatica</i>	bentgrass	<i>Agrostis spp.</i>
apple	<i>Malus spp.</i>	Bermudagrass	<i>Cynodon dactylon</i>
arborvitae	<i>Thuja occidentalis</i>	big bluestem	<i>Andropogon gerardii</i>
arborvitae	<i>Thuja spp.</i>	big cordgrass	<i>Spartina cynosuroides</i>
arctic rush	<i>Juncus arcticus</i>	big devils beggartick	<i>Bidens vulgata</i>
arrow arum	<i>Peltandra spp.</i>	bigbract verbena	<i>Verbena bracteata</i>

**Common Name**

bigtooth aspen  
billion-dollar grass  
bindweed  
birch  
birdeye speedwell  
birdfoot violet  
bitter panicgrass  
bittercress  
bitternut hickory  
black alder  
black baneberry  
black bindweed  
black birch/sweet birch  
black cherry  
black huckleberry  
black knapweed  
black locust  
black maple  
black oak  
black walnut  
black willow  
blackberry  
blackeyed Susan  
blackgum  
blackhaw  
blackjack oak  
blackseed plantain  
blackseed speargrass  
bladderfern  
blazing star  
bloodroot  
blue atlas cedar  
blue huckleberry  
blue sedge  
blue skullcap  
blue waxweed  
blue wild indigo  
blueberry  
bluecurls  
blue-eyed grass  
bluegrass  
bluejacket  
bluejoint  
bluestem  
bluet  
blunt broom sedge  
blunt spikerush  
bluntleaf bedstraw  
bluntlobe cliff fern  
bog fern  
bog rush  
bog yellowcress  
Boston ivy  
bouncing bet  
boxelder  
brackenfern  
bright green spikerush  
bristlegrass  
bristly buttercup  
bristly dewberry

**Scientific Name**

*Populus grandidentata*  
*Echinochloa frumentacea*  
*Convolvulus spp.*  
*Betula spp.*  
*Veronica persica*  
*Viola pedata*  
*Panicum amarum*  
*Cardamine spp.*  
*Carya cordiformis*  
*Alnus glutinosa*  
*Actaea racemosa*  
*Polygonum convolvulus*  
*Betula lenta*  
*Prunus serotina*  
*Gaylussacia baccata*  
*Centaurea nigra*  
*Robinia pseudoacacia*  
*Acer nigrum*  
*Quercus velutina*  
*Juglans nigra*  
*Salix nigra*  
*Rubus spp.*  
*Rudbeckia hirta*  
*Nyssa sylvatica*  
*Viburnum prunifolium*  
*Quercus marilandica*  
*Plantago rugelii*  
*Piptochaetium avenaceum*  
*Cystopteris spp.*  
*Liatris spp.*  
*Sanguinaria canadensis*  
*Cedrus atlantica*  
*Gaylussacia frondosa*  
*Carex glaucoidea*  
*Scutellaria lateriflora*  
*Cuphea viscosissima*  
*Baptisia australis*  
*Vaccinium spp.*  
*Trichostema spp.*  
*Sisyrinchium spp.*  
*Poa spp.*  
*Tradescantia ohimensis*  
*Calamagrostis canadensis*  
*Andropogon spp.*  
*Houstonia spp.*  
*Carex tribuloides*  
*Eleocharis obtusa*  
*Galium obtusum*  
*Woodsia obtusa*  
*Thelypteris simulata*  
*Juncus biflorus*  
*Rorippa palustris*  
*Parthenocissus tricuspidata*  
*Saponaria officinalis*  
*Acer negundo*  
*Pteridium spp.*  
*Eleocharis olivacea*  
*Setaria spp.*  
*Ranunculus hispidus*  
*Rubus hispidus*

**Common Name**

brittle bladderfern  
broad beechfern  
broadfruit bur-reed  
broadleaf cattail  
broadleaf rosette grass  
brome  
brookweed  
broomcorn millet  
broomrape  
broomsedge bluestem  
brown knapweed  
brown widelip orchid  
brownish beaksedge  
browntop  
buckeye  
buckwheat  
bull thistle  
bulrush  
bur cucumber  
bur oak  
burdock  
burnet  
burningbush  
bur-reed  
bush honeysuckle  
bushy bluestem  
bushy knotweed  
butter and eggs  
buttercup  
butterfly milkweed  
butternut  
button sedge  
buttonweed  
calico aster  
callery pear  
camphorweed  
campion  
Canada bluegrass  
Canada goldenrod  
Canada lettuce  
Canada lily  
Canada mayflower  
Canada thistle  
Canada toadflax  
Canadian blacksnakeroot  
Canadian clearweed  
Canadian lousewort  
Canadian rush  
Canadian serviceberry  
Canadian woodnettle  
canarygrass  
cankerweed  
cantaloupe  
cardinalflower  
Carolina geranium  
Carolina mosquitofern  
Carolina rose  
carpetweed  
catalpa  
catberry

**Scientific Name**

*Cystopteris fragilis*  
*Phegopteris hexagonoptera*  
*Sparganium eurycarpum*  
*Typha latifolia*  
*Dichanthelium latifolium*  
*Bromus spp.*  
*Samolus spp.*  
*Panicum miliaceum*  
*Orobanche spp.*  
*Andropogon virginicus*  
*Centaurea jacea*  
*Liparis liliifolia*  
*Rhynchospora capitellata*  
*Microstegium spp.*  
*Aesculus spp.*  
*Fagopyrum esculentum*  
*Cirsium vulgare*  
*Scirpus spp.*  
*Sicyos spp.*  
*Quercus macrocarpa*  
*Arctium spp.*  
*Sanguisorba spp.*  
*Euonymus alatus*  
*Sparganium spp.*  
*Diervilla spp.*  
*Andropogon glomeratus*  
*Polygonum ramosissimum*  
*Linaria vulgaris*  
*Ranunculus spp.*  
*Asclepias tuberosa*  
*Juglans cinerea*  
*Carex bullata*  
*Diodia spp.*  
*Symphotrichum lateriflorum*  
*Pyrus calleryana*  
*Pluchea spp.*  
*Lychnis spp.*  
*Poa compressa*  
*Solidago canadensis*  
*Lactuca canadensis*  
*Lilium canadense*  
*Maianthemum canadense*  
*Cirsium arvense*  
*Nuttallanthus canadensis*  
*Sanicula canadensis*  
*Pilea pumila*  
*Pedicularis canadensis*  
*Juncus canadensis*  
*Amelanchier canadensis*  
*Laportea canadensis*  
*Phalaris spp.*  
*Prenanthes serpentaria*  
*Cucumis melo*  
*Lobelia cardinalis*  
*Geranium carolinianum*  
*Azolla caroliniana*  
*Rosa carolina*  
*Mollugo spp.*  
*Catalpa spp.*  
*Ilex mucronata*

**Common Name**

catbrier  
 catchfly  
 catnip  
 cat's ear  
 cattail  
 cattail sedge  
 cedar  
 celandine  
 cereal rye  
 chainfern  
 cheatgrass  
 chestnut  
 chestnut oak  
 chicory  
 Chinese chestnut  
 Chinese wisteria  
 chokeberry  
 chokecherry  
 Christmas fern  
 churchmouse threeawn  
 cinnamon fern  
 cinquefoil  
 clammy hedgehyssop  
 clearweed  
 cliff fern  
 climbing false buckwheat  
 climbing hempvine  
 climbing nightshade  
 Clinton's woodfern  
 clover  
 clustered mille grains  
 clustered mountainmint  
 clustered snakeroot  
 coast cockspur grass  
 coastal jointweed  
 coastal plain blue-eyed grass  
 cockspur grass  
 codlins and cream  
 colicroot  
 Collins' sedge  
 Colorado blue spruce  
 columbine  
 common barberry  
 common blue violet  
 common blue wood aster  
 common boneset  
 common buckthorn  
 common buttonbush  
 common chickweed  
 common cinquefoil  
 common dandelion  
 common dittany  
 common evening primrose  
 common fleabane  
 common goldstar  
 common grape hyacinth  
 common hackberry  
 common hop  
 common hoptree  
 common juniper

**Scientific Name**

*Smilax* spp.  
*Silene* spp.  
*Nepeta cataria*  
*Hypochaeris* spp.  
*Typha* spp.  
*Carex typhina*  
*Chamaecyparis* spp.  
*Chelidonium majus*  
*Secale cereale*  
*Woodwardia* spp.  
*Bromus tectorum*  
*Castanea* spp.  
*Quercus prinus*  
*Cichorium intybus*  
*Castanea mollissima*  
*Wisteria sinensis*  
*Photinia* spp.  
*Prunus virginiana*  
*Polystichum acrostichoides*  
*Aristida dichotoma*  
*Osmunda cinnamomea*  
*Potentilla* spp.  
*Gratiola neglecta*  
*Pilea* spp.  
*Woodsia* spp.  
*Polygonum scandens*  
*Mikania scandens*  
*Solanum dulcamara*  
*Dryopteris clintoniana*  
*Trifolium* spp.  
*Oldenlandia uniflora*  
*Pycnanthemum muticum*  
*Sanicula odorata*  
*Echinochloa walteri*  
*Polygonella articulata*  
*Sisyrinchium fuscatum*  
*Echinochloa* spp.  
*Epilobium hirsutum*  
*Aletris* spp.  
*Carex collinsii*  
*Picea pungens*  
*Aquilegia* spp.  
*Berberis vulgaris*  
*Viola sororia*  
*Symphyotrichum cordifolium*  
*Eupatorium perfoliatum*  
*Rhamnus cathartica*  
*Cephalanthus occidentalis*  
*Stellaria media*  
*Potentilla simplex*  
*Taraxacum officinale*  
*Cunila origanoides*  
*Oenothera biennis*  
*Erigeron philadelphicus*  
*Hypoxis hirsuta*  
*Muscari botryoides*  
*Celtis occidentalis*  
*Humulus lupulus*  
*Ptelea trifoliata*  
*Juniperus communis*

**Common Name**

common ladyfern  
 common mallow  
 common milkweed  
 common moonseed  
 common mullein  
 common oat  
 common pear  
 common pepperweed  
 common periwinkle  
 common persimmon  
 common plantain  
 common pricklyash  
 common ragweed  
 common serviceberry  
 common sheep sorrel  
 common sowthistle  
 common spikerush  
 common threesquare  
 common velvetgrass  
 common winterberry  
 common yarrow  
 compact dodder  
 composite dropseed  
 cone-cup spikerush  
 coneflower  
 cool season grass  
 coon's tail  
 coralroot  
 cordgrass  
 corn chamomile  
 corn gromwell  
 corn speedwell  
 Cornelian cherry  
 cosmopolitan bulrush  
 cottongrass  
 cow vetch  
 cowbane  
 cowparsnip  
 crabgrass  
 crack willow  
 cranberry  
 crapemyrtle  
 cream avens  
 creeping bentgrass  
 creeping buttercup  
 creeping lespedeza  
 creeping velvetgrass  
 creeping woodsorrel  
 crested saltbush  
 crested woodfern  
 crippled crane fly  
 crownbeard  
 crowngrass  
 cryptomeria  
 cucumber-tree  
 cudweed  
 Culver's root  
 cunila  
 curly dock  
 curly pondweed

**Scientific Name**

*Athyrium filix-femina*  
*Malva neglecta*  
*Asclepias syriaca*  
*Menispermum canadense*  
*Verbascum thapsus*  
*Avena sativa*  
*Pyrus communis*  
*Lepidium densiflorum*  
*Vinca minor*  
*Diospyros virginiana*  
*Plantago major*  
*Zanthoxylum americanum*  
*Ambrosia artemisiifolia*  
*Amelanchier arborea*  
*Rumex acetosella*  
*Sonchus oleraceus*  
*Eleocharis palustris*  
*Schoenoplectus pungens*  
*Holcus lanatus*  
*Ilex verticillata*  
*Achillea millefolium*  
*Cuscuta compacta*  
*Sporobolus compositus*  
*Eleocharis tuberculosa*  
*Rudbeckia* spp.  
  
*Ceratophyllum demersum*  
*Corallorhiza* spp.  
*Spartina* spp.  
*Anthemis arvensis*  
*Buglossoides arvensis*  
*Veronica arvensis*  
*Cornus mas*  
*Schoenoplectus maritimus*  
*Eriophorum* spp.  
*Vicia cracca*  
*Oxypolis* spp.  
*Heracleum*  
*Digitaria* spp.  
*Salix fragilis*  
*Vaccinium macrocarpon*  
*Lagerstroemia indica*  
*Geum virginianum*  
*Agrostis stolonifera*  
*Ranunculus repens*  
*Lespedeza repens*  
*Holcus mollis*  
*Oxalis corniculata*  
*Atriplex cristata*  
*Dryopteris cristata*  
*Tipularia discolor*  
*Verbesina* spp.  
*Paspalum* spp.  
*Cryptomeria japonica*  
*Magnolia acuminata*  
*Gnaphalium* spp.  
*Veronicastrum virginicum*  
*Cunila* spp.  
*Rumex crispus*  
*Potamogeton crispus*

**Common Name**

curlyheads  
 currant  
 cursed buttercup  
 cutgrass  
 cutleaf evening primrose  
 cutleaf grapefern  
 cypress panicgrass  
 cypress spurge  
 daisy fleabane  
 Darnel ryegrass  
 dawn redwood  
 dayflower  
 decodon  
 deerberry  
 deertongue  
 densetuft hairsedge  
 Deodar cedar  
 Deptford pink  
 desert false indigo  
 devil's beggartick  
 devil's darning needles  
 devil's walkingstick  
 devil's-tongue  
 dock  
 dodder  
 dogbane  
 dogtooth violet  
 dogwood  
 dotted smartweed  
 doubtful knight's-spur  
 Douglas-fir  
 dovefoot geranium  
 downy carrionflower  
 downy goldenrod  
 downy milkpea  
 downy rattlesnake plantain  
 downy wildrye  
 downy yellow false foxglove  
 downy yellow violet  
 draba  
 dropseed  
 duckweed  
 dutchman's breeches  
 dutchman's pipe  
 dwarf cinquefoil  
 dwarf ginseng  
 dwarf huckleberry  
 dwarf saltwort  
 dwarf spikerush  
 dwarf dandelion  
 early azalea  
 early bluegrass  
 early buttercup  
 early meadow-rue  
 earth loosestrife  
 eastern annual saltmarsh aster  
 eastern blue-eyed grass  
 eastern cottonwood  
 eastern gamagrass  
 eastern grasswort

**Scientific Name**

*Clematis ochroleuca*  
*Ribes* spp.  
*Ranunculus sceleratus*  
*Leersia* spp.  
*Oenothera laciniata*  
*Botrychium dissectum*  
*Dichanthelium dichotomum*  
*Euphorbia cyparissias*  
*Erigeron annuus*  
*Lolium temulentum*  
*Metasequoia glyptostroboides*  
*Commelina* spp.  
*Decodon* spp.  
*Vaccinium stamineum*  
*Dichanthelium clandestinum*  
*Bulbostylis capillaris*  
*Cedrus deodara*  
*Dianthus armeria*  
*Amorpha fruticosa*  
*Bidens frondosa*  
*Clematis virginiana*  
*Aralia spinosa*  
*Opuntia humifusa*  
*Rumex* spp.  
*Cuscuta* spp.  
*Apocynum* spp.  
*Erythronium americanum*  
*Cornus* spp.  
*Polygonum punctatum*  
*Consolida ajacis*  
*Pseudotsuga menziesii*  
*Geranium molle*  
*Smilax pulverulenta*  
*Solidago puberula*  
*Galactia volubilis*  
*Goodyera pubescens*  
*Elymus villosus*  
*Aureolaria virginica*  
*Viola pubescens*  
*Draba* spp.  
*Sporobolus* spp.  
*Lemna* spp.  
*Dicentra cucullaria*  
*Aristolochia macrophylla*  
*Potentilla canadensis*  
*Panax trifolius*  
*Gaylussacia dumosa*  
*Salicornia bigelovii*  
*Eleocharis parvula*  
*Krigia* spp.  
*Rhododendron prinophyllum*  
*Poa cuspidata*  
*Ranunculus fascicularis*  
*Thalictrum dioicum*  
*Lysimachia terrestris*  
*Symphyotrichum subulatum*  
*Sisyrinchium atlanticum*  
*Populus deltoides*  
*Tripsacum dactyloides*  
*Lilaeopsis chinensis*

**Common Name**

eastern hemlock  
 eastern Joe Pye weed  
 eastern leatherwood  
 eastern marsh fern  
 eastern redbud  
 eastern redcedar  
 eastern silver aster  
 eastern star sedge  
 eastern straw sedge  
 eastern teaberry  
 eastern waterleaf  
 eastern white pine  
 ebony spleenwort  
 elderberry  
 Elliott's goldenrod  
 elm  
 enchanter's nightshade  
 English ivy  
 English oak  
 English plantain  
 erect knotweed  
 European beech  
 European birch  
 European cranberrybush  
 European gooseberry  
 European heliotrope  
 European hornbeam  
 European larch  
 European lily of the valley  
 European mountain ash  
 European privet  
 European spindle tree  
 European stickseed  
 evening primrose  
 fall panicgrass  
 fall phlox  
 false baby's breath  
 false daisy  
 false hellebore  
 false indigo  
 false mannagrass  
 false nettle  
 false pennyroyal  
 false pimpernel  
 false Solomon's seal  
 false spleenwort  
 fern  
 fern flatsedge  
 fernleaf yellow false foxglove  
 fescue  
 feverwort  
 field bindweed  
 field brome  
 field chickweed  
 field horsetail  
 field mustard  
 field pansy  
 field paspalum  
 field pennycress  
 field pepperweed

**Scientific Name**

*Tsuga canadensis*  
*Eupatoriadelphus dubius*  
*Dirca palustris*  
*Thelypteris palustris*  
*Cercis canadensis*  
*Juniperus virginiana*  
*Symphyotrichum concolor*  
*Carex radiata*  
*Carex straminea*  
*Gaultheria procumbens*  
*Hydrophyllum virginianum*  
*Pinus strobus*  
*Asplenium platyneuron*  
*Sambucus canadensis*  
*Solidago latissimifolia*  
*Ulmus* spp.  
*Circaea* spp.  
*Hedera helix*  
*Quercus robur*  
*Plantago lanceolata*  
*Polygonum erectum*  
*Fagus sylvatica*  
*Betula pendula*  
*Viburnum opulus*  
*Ribes uva-crispa*  
*Heliotropium europaeum*  
*Carpinus betulus*  
*Larix decidua*  
*Convallaria majalis*  
*Sorbus aucuparia*  
*Ligustrum vulgare*  
*Euonymus europaeus*  
*Lappula squarrosa*  
*Oenothera* spp.  
*Panicum dichotomiflorum*  
*Phlox paniculata*  
*Galium mollugo*  
*Eclipta prostrata*  
*Veratrum* spp.  
*Amorpha* spp.  
*Torreyochloa* spp.  
*Boehmeria cylindrica*  
*Hedeoma* spp.  
*Lindernia* spp.  
*Maianthemum racemosum*  
*Deparia* spp.  
  
*Cyperus filicinus*  
*Aureolaria pedicularia*  
*Festuca* spp.  
*Triosteum perfoliatum*  
*Convolvulus arvensis*  
*Bromus arvensis*  
*Cerastium arvense*  
*Equisetum arvense*  
*Brassica rapa*  
*Viola arvensis*  
*Paspalum laeve*  
*Thlaspi arvense*  
*Lepidium campestre*

**Common Name**

field sagewort  
 field sowthistle  
 field thistle  
 fig buttercup  
 figwort  
 fimbry  
 fineleaf sheep fescue  
 fir  
 fireweed  
 fiveleaf orchid  
 flatsedge  
 flax  
 flaxleaf whitetop aster  
 fleabane  
 floating mannagrass  
 flowering dogwood  
 forget-me-not  
 forked bluecurls  
 forked rush  
 forsythia  
 fountaingrass  
 four o'clock  
 fowl mannagrass  
 fox grape  
 fox sedge  
 foxtail  
 foxtail barley  
 foxtail bristlegrass  
 foxtail sedge  
 fragrant sumac  
 fringed loosestrife  
 fringed orchid  
 fringed sedge  
 fuzzy wuzzy sedge  
 fuzzybean  
 galearis  
 gall of the earth  
 gamagrass  
 garden asparagus  
 garden sorrel  
 garden vetch  
 garlic mustard  
 gentian  
 geranium  
 giant fescue  
 giant goldenrod  
 giant hyssop  
 giant knotweed  
 giantchickweed  
 ginkgo  
 ginkgo  
 ginseng  
 globe flatsedge  
 globefruit primrose-willow  
 glossy buckthorn  
 goatgrass  
 goatsbeard  
 golden clover  
 golden hedgehyssop  
 golden ragwort

**Scientific Name**

*Artemisia campestris*  
*Sonchus arvensis*  
*Cirsium discolor*  
*Ranunculus ficaria*  
*Scrophularia* spp.  
*Fimbristylis* spp.  
*Festuca filiformis*  
*Abies* spp.  
*Chamerion angustifolium*  
*Isotria* spp.  
*Cyperus* spp.  
*Linum* spp.  
*Ionactis linariifolius*  
*Erigeron* spp.  
*Glyceria septentrionalis*  
*Cornus florida*  
*Myosotis* spp.  
*Trichostema dichotomum*  
*Juncus dichotomus*  
*Forsythia* spp.  
*Pennisetum* spp.  
*Mirabilis* spp.  
*Glyceria striata*  
*Vitis labrusca*  
*Carex vulpinoidea*  
*Alopecurus* spp.  
*Hordeum jubatum*  
*Setaria italica*  
*Carex alopecoidea*  
*Rhus aromatica*  
*Lysimachia ciliata*  
*Platanthera* spp.  
*Carex crinita*  
*Carex hirsutella*  
*Strophostyles* spp.  
*Galearis* spp.  
*Prenanthes trifoliolata*  
*Tripsacum* spp.  
*Asparagus officinalis*  
*Rumex acetosa*  
*Vicia sativa*  
*Alliaria petiolata*  
*Gentiana* spp.  
*Geranium* spp.  
*Schedonorus giganteus*  
*Solidago gigantea*  
*Agastache* spp.  
*Polygonum sachalinense*  
*Myosoton aquaticum*  
*Ginkgo biloba*  
*Ginkgo* spp.  
*Panax* spp.  
*Cyperus echinatus*  
*Ludwigia sphaerocarpa*  
*Frangula alnus*  
*Aegilops* spp.  
*Tragopogon* spp.  
*Trifolium aureum*  
*Gratiola aurea*  
*Packera aurea*

**Common Name**

goldenaster  
 goldenraintrees  
 goldenrod  
 goldenseal  
 Goldie's woodfern  
 goldthread  
 goosefoot  
 goosegrass  
 grape  
 grape hyacinth  
 grapefern  
 grassleaf rush  
 grass-like starwort  
 grasswort  
 gray birch  
 gray dogwood  
 gray poplar  
 great blue lobelia  
 great ragweed  
 green adder's-mouth orchid  
 green arrow arum  
 green ash  
 green bristlegrass  
 green bulrush  
 green carpetweed  
 green comet milkweed  
 green fringed orchid  
 Greene's rush  
 ground ivy  
 groundcherry  
 groundnut  
 groundsel tree  
 hackberry  
 hairgrass  
 hairsedge  
 hairy cat's ear  
 hairy crabgrass  
 hairy lespedeza  
 hairy lettuce  
 hairy skullcap  
 hairy small-leaf ticktrefoil  
 hairy Solomon's seal  
 hairy sunflower  
 hairy woodland brome  
 halberd-leaved rose mallow  
 handsome Harry  
 hard fescue  
 hardy rubber tree  
 harvestbells  
 hawkweed  
 hawthorn  
 hayscented fern  
 hazel alder  
 hazel dodder  
 hazelnut  
 heartleaf four o'clock  
 heartleaf plantain  
 hedge false bindweed  
 hedge maple  
 hedgehyssop

**Scientific Name**

*Chrysopsis* spp.  
*Koeleruteria paniculata*  
*Solidago* spp.  
*Hydrastis canadensis*  
*Dryopteris goldiana*  
*Coptis* spp.  
*Chenopodium* spp.  
*Eleusine* spp.  
*Vitis* spp.  
*Muscari* spp.  
*Botrychium* spp.  
*Juncus marginatus*  
*Stellaria graminea*  
*Lilaeopsis* spp.  
*Betula populifolia*  
*Cornus racemosa*  
*Populus xcanescens*  
*Lobelia siphilitica*  
*Ambrosia trifida*  
*Malaxis unifolia*  
*Peltandra virginica*  
*Fraxinus pennsylvanica*  
*Setaria viridis*  
*Scirpus atrovirens*  
*Mollugo verticillata*  
*Asclepias viridiflora*  
*Platanthera lacera*  
*Juncus greenii*  
*Glechoma bederacea*  
*Physalis* spp.  
*Apios* spp.  
*Baccharis halimifolia*  
*Celtis* spp.  
*Deschampsia* spp.  
*Bulbostylis* spp.  
*Hypochaeris radicata*  
*Digitaria sanguinalis*  
*Lespedeza hirta*  
*Lactuca hirsuta*  
*Scutellaria elliptica*  
*Desmodium ciliare*  
*Polygonatum pubescens*  
*Helianthus hirsutus*  
*Bromus pubescens*  
*Hibiscus laevis*  
*Rhexia virginica*  
*Festuca brevifolia*  
*Eucommia ulmoides*  
*Gentiana saponaria*  
*Hieracium* spp.  
*Crataegus* spp.  
*Dennstaedtia* spp.  
*Alnus serrulata*  
*Cuscuta coryli*  
*Corylus* spp.  
*Mirabilis nyctaginea*  
*Plantago cordata*  
*Calystegia sepium*  
*Acer campestre*  
*Gratiola* spp.

**Common Name**

hedgenettle  
 Heller's rosette grass  
 helmet flower  
 hemlock rosette grass  
 hempvine  
 Henbit  
 hepatica  
 herbwilliam  
 hickory  
 highbush blueberry  
 hoarypea  
 hobblebush  
 holly  
 hollyfern  
 hollyhock  
 honewort  
 honeylocust  
 honeysuckle  
 hooded arrowhead  
 hooked bristlegrass  
 hop  
 hophornbeam  
 hoptree  
 horehound  
 hornwort  
 hornwort  
 Horsebalm  
 horsechestnut  
 horseflyweed  
 horsetail  
 horseweed  
 hound's tongue  
 Howell's pussytoes  
 huckleberry  
 husk tomato  
 hydrangea  
 hyssop  
 hyssop loosestrife  
 hyssopleaf hedgenettle  
 hyssopleaf thoroughwort  
 Illinois pinweed  
 Indian cucumber  
 Indian goosegrass  
 Indian paintbrush  
 Indian strawberry  
 Indiangrass  
 Indianpipe  
 Indian-tobacco  
 inkberry  
 intermediate woodfern  
 interrupted fern  
 inundated clubmoss  
 iris  
 ironweed  
 ivy  
 Jack in the pulpit  
 Jacob's-ladder  
 Japanese angelica-tree  
 Japanese barberry  
 Japanese black pine

**Scientific Name**

*Stachys* spp.  
*Dichanthelium oligosanthes*  
*Scutellaria integrifolia*  
*Dichanthelium sabulorum*  
*Mikania* spp.  
*Lamium* spp.  
*Hepatica nobilis*  
*Ptilimnium capillaceum*  
*Carya* spp.  
*Vaccinium corymbosum*  
*Tephrosia* spp.  
*Viburnum lantanoides*  
*Ilex* spp.  
*Polystichum* spp.  
*Alcea* spp.  
*Cryptotaenia* spp.  
*Gleditsia triacanthos*  
*Lonicera* spp.  
*Sagittaria calycina*  
*Setaria verticillata*  
*Humulus* spp.  
*Ostrya virginiana*  
*Ptelea* spp.  
*Marrubium vulgare*  
*Anthoxanthum* spp.  
*Ceratophyllum* spp.  
*Collinsonia* spp.  
*Aesculus hippocastanum*  
*Baptisia tinctoria*  
*Equisetum* spp.  
*Conyza* spp.  
*Cynoglossum* spp.  
*Antennaria howellii*  
*Gaylussacia* spp.  
*Physalis pubescens*  
*Hydrangea* spp.  
*Hyssopus officinalis*  
*Lythrum hyssopifolium*  
*Stachys hyssopifolia*  
*Eupatorium hyssopifolium*  
*Lechea racemulosa*  
*Medeola virginiana*  
*Eleusine indica*  
*Castilleja* spp.  
*Duchesnea indica*  
*Sorghastrum nutans*  
*Monotropa uniflora*  
*Lobelia inflata*  
*Ilex glabra*  
*Dryopteris intermedia*  
*Osmunda claytoniana*  
*Lycopodiella inundata*  
*Iris* spp.  
*Vernonia* spp.  
*Hedera* spp.  
*Arisaema triphyllum*  
*Polemonium* spp.  
*Aralia elata*  
*Berberis thunbergii*  
*Pinus thunbergii*

**Common Name**

Japanese bristlegrass  
 Japanese honeysuckle  
 Japanese hop  
 Japanese knotweed  
 Japanese maple  
 Japanese pachysandra  
 Japanese snowball  
 Japanese snowbell  
 Japanese sophora  
 Japanese tree lilac  
 Japanese yew  
 Japanese zelkova  
 Jerusalem artichoke  
 Jesuit's bark  
 jetbead  
 jewelweed  
 jimsonweed  
 Joe Pye weed  
 Johnsongrass  
 jointed goatgrass  
 jointweed  
 juniper  
 justiceweed  
 katsura tree  
 Kentucky bluegrass  
 Kentucky coffeetree  
 kingdevil  
 kinnikinnick  
 kiss me over the garden gate  
 knight's-spur  
 kousa dogwood  
 kudzu  
 kwanzan cherry  
 Labrador tea  
 lace grass  
 lady's slipper  
 lady's thumb  
 lady's tresses  
 lambsquarters  
 lanceleaf figwort  
 larch  
 large St. Johnswort  
 large whorled pogonia  
 large yellow loosestrife  
 largebracted plantain  
 large-flower primrose-willow  
 late purple aster  
 lateflowering thoroughwort  
 laurel  
 lavender thrift  
 leafy pondweed  
 leather flower  
 leatherleaf  
 leathery grapefern  
 Leggett's pinweed  
 lespedeza  
 lesser burdock  
 lesser Canadian St. Johnswort  
 lesser snakeroot  
 lettuce

**Scientific Name**

*Setaria faberi*  
*Lonicera japonica*  
*Humulus japonicus*  
*Polygonum cuspidatum*  
*Acer palmatum*  
*Pachysandra terminalis*  
*Viburnum plicatum*  
*Styrax japonicus*  
*Styphnolobium japonicum*  
*Syringa reticulata*  
*Taxus cuspidata*  
*Zelkova serrata*  
*Helianthus tuberosus*  
*Iva frutescens*  
*Rhodotypos scandens*  
*Impatiens capensis*  
*Datura stramonium*  
*Eupatoriadelphus* spp.  
*Sorghum halepense*  
*Aegilops cylindrica*  
*Polygonella* spp.  
*Juniperus* spp.  
*Eupatorium leucolepis*  
*Cercidiphyllum japonicum*  
*Poa pratensis*  
*Gymnocladus dioica*  
*Hieracium praealtum*  
*Arctostaphylos uva-ursi*  
*Polygonum orientale*  
*Consolida* spp.  
*Cornus kousa*  
*Pueraria montana*  
*Prunus 'Kwanzan'*  
*Ledum* spp.  
*Eragrostis capillaris*  
*Cypripedium* spp.  
*Polygonum cespitosum*  
*Spiranthes* spp.  
*Chenopodium album*  
*Scrophularia lanceolata*  
*Larix* spp.  
*Hypericum majus*  
*Isotria verticillata*  
*Lysimachia punctata*  
*Plantago aristata*  
*Ludwigia grandiflora*  
*Symphyotrichum patens*  
*Eupatorium serotinum*  
*Kalmia* spp.  
*Limonium carolinianum*  
*Potamogeton foliosus*  
*Clematis* spp.  
*Chamaedaphne calyculata*  
*Botrychium multifidum*  
*Lechea pulchella*  
*Lespedeza* spp.  
*Arctium minus*  
*Hypericum canadense*  
*Ageratina aromatica*  
*Lactuca* spp.

**Common Name**

Leyland cypress  
lilac  
lily  
linearleaf snapdragon  
lined sedge  
little bluestem  
little evening primrose  
little lovegrass  
littleleaf buttercup  
littleleaf linden  
lizard's tail  
lobelia  
log fern  
Lombardy poplar  
London planetree  
longleaf summer bluet  
Long's sedge  
longstalk starwort  
longstyle sweetroot  
loosestrife  
lopsided rush  
lousewort  
lovegrass  
low rough aster  
low spearwort  
lowbush blueberry  
lowland bladderfern  
lowland yellow loosestrife  
magnolia  
Mahaleb cherry  
maiden fern  
maidenhair fern  
maleberry  
mallow  
man of the earth  
mannagrass  
manyspike flatsedge  
manzanita  
maple  
mapleleaf goosefoot  
mapleleaf viburnum  
marginal woodfern  
marijuana  
marsh bristlegrass  
marsh cudweed  
marsh fimbry  
marsh marigold  
marsh rose gentian  
marsh seedbox  
marsh St. Johnswort  
marsh straw sedge  
marshpepper knotweed  
Maryland goldenaster  
Maryland sanicle  
mat sandbur  
mayapple  
mayflower  
meadow anemone  
meadow fescue  
meadow foxtail

**Scientific Name**

*x Cupressocyparis leylandii*  
*Syringa* spp.  
*Lilium* spp.  
*Misopates orontium*  
*Carex striatula*  
*Schizachyrium scoparium*  
*Oenothera perennis*  
*Eragrostis minor*  
*Ranunculus abortivus*  
*Tilia cordata*  
*Saururus cernuus*  
*Lobelia* spp.  
*Dryopteris celsa*  
*Populus nigra*  
*Platanus hybrida*  
*Houstonia longifolia*  
*Carex longii*  
*Stellaria longipes*  
*Osmorhiza longistylis*  
*Lythrum* spp.  
*Juncus secundus*  
*Pedicularis* spp.  
*Eragrostis* spp.  
*Eurybia radula*  
*Ranunculus pusillus*  
*Vaccinium angustifolium*  
*Cystopteris protrusa*  
*Lysimachia hybrida*  
*Magnolia* spp.  
*Prunus mahaleb*  
*Thelypteris* spp.  
*Adiantum* spp.  
*Lyonia ligustrina*  
*Malva* spp.  
*Ipomoea pandurata*  
*Glyceria* spp.  
*Cyperus polystachyos*  
*Arctostaphylos*  
*Acer* spp.  
*Chenopodium simplex*  
*Viburnum acerifolium*  
*Dryopteris marginalis*  
*Cannabis sativa*  
*Setaria parviflora*  
*Gnaphalium uliginosum*  
*Fimbristylis castanea*  
*Caltha* spp.  
*Sabatia dodecandra*  
*Ludwigia palustris*  
*Triadenum virginicum*  
*Carex hormathodes*  
*Polygonum hydropiper*  
*Chrysopsis mariana*  
*Sanicula marilandica*  
*Cenchrus longispinus*  
*Podophyllum peltatum*  
*Maianthemum* spp.  
*Anemone canadensis*  
*Schedonorus pratensis*  
*Alopecurus pratensis*

**Common Name**

meadow garlic  
meadow spikemoss  
meadowbeauty  
meadowparsnip  
meadow-rue  
melon  
mermaidweed  
Mexican muhly  
Mexican tea  
mild water pepper  
milk puslane  
milkpea  
milkweed  
mimosa  
mint  
minute duckweed  
misopates  
moccasin flower  
mockernut hickory  
monkeyflower  
moonseed  
morning-glory  
Morrow's honeysuckle  
mosquitofern  
moss  
moss phlox  
moth mullein  
mountain laurel  
mountain silverbell  
mountainmint  
mouse-ear chickweed  
mugwort  
Muhlenberg's sedge  
muhly  
mulberry  
multiflora rose  
nailwort  
nannyberry  
Nantucket serviceberry  
narrowleaf bluecurls  
narrowleaf blue-eyed grass  
narrowleaf cattail  
narrowleaf evening primrose  
narrowleaf vervain  
narrowleaf whitetop aster  
necklace sedge  
needle spikerush  
needlepod rush  
netted chainfern  
New England aster  
New Jersey tea  
New York aster  
New York fern  
New York ironweed  
nightshade  
nimblewill  
nodding fescue  
nodding thistle  
noddingcaps  
northern bayberry

**Scientific Name**

*Allium canadense*  
*Selaginella apoda*  
*Rhexia* spp.  
*Thaspium* spp.  
*Thalictrum* spp.  
*Cucumis* spp.  
*Proserpinaca* spp.  
*Muhlenbergia mexicana*  
*Chenopodium ambrosioides*  
*Polygonum hydropiperoides*  
*Chamaesyce maculata*  
*Galactia* spp.  
*Asclepias* spp.  
*Albizia julibrissin*  
*Mentha* spp.  
*Lemna perpusilla*  
*Misopates* spp.  
*Cyripedium acaule*  
*Carya alba*  
*Mimulus* spp.  
*Menispermum*  
*Ipomoea* spp.  
*Lonicera morrowii*  
*Azolla* spp.  
  
*Phlox subulata*  
*Verbascum blattaria*  
*Kalmia latifolia*  
*Halesia tetraptera*  
*Pycnanthemum* spp.  
*Cerastium fontanum*  
*Artemisia vulgaris*  
*Carex muehlenbergii*  
*Muhlenbergia* spp.  
*Morus* spp.  
*Rosa multiflora*  
*Paronychia* spp.  
*Viburnum lentago*  
*Amelanchier nantucketensis*  
*Trichostema setaceum*  
*Sisyrinchium angustifolium*  
*Typha angustifolia*  
*Oenothera fruticosa*  
*Verbena simplex*  
*Sericocarpus linifolius*  
*Carex projecta*  
*Eleocharis acicularis*  
*Juncus scirpoides*  
*Woodwardia areolata*  
*Symphotrichum novae-angliae*  
*Ceanothus americanus*  
*Symphotrichum novi-belgii*  
*Thelypteris noveboracensis*  
*Vernonia noveboracensis*  
*Solanum* spp.  
*Muhlenbergia schreberi*  
*Festuca subverticillata*  
*Carduus nutans*  
*Triphora* spp.  
*Morella pensylvanica*



**Common Name**

northern bog aster  
 northern bugleweed  
 northern coastal violet  
 northern long sedge  
 northern maidenhair  
 northern red oak  
 northern spicebush  
 northern wildrice  
 Norway maple  
 Norway maple 'crimson king'  
 Norway spruce  
 Norwegian cinquefoil  
 nutgrass  
 nutrush  
 Nuttall's milkwort  
 Nuttall's ticktrefoil  
 oak  
 Oakes' evening primrose  
 oat  
 oatgrass  
 oatgrass  
 obedient plant  
 oldenlandia  
 olney threesquare  
 oneflowered broomrape  
 onion  
 opium poppy  
 orange daylily  
 orange milkwort  
 orchardgrass  
 osage orange  
 osmunda  
 oval-leaf knotweed  
 ovate spikerush  
 overcup oak  
 oxeye daisy  
 pale false mannagrass  
 pale smartweed  
 pale touch-me-not  
 palegreen orchid  
 panicgrass  
 panicledleaf ticktrefoil  
 paper birch  
 paper mulberry  
 paradise apple  
 Parlin's pussytoes  
 parsnip  
 partridge pea  
 path rush  
 pawpaw  
 pea  
 peach  
 pearl millet  
 pearlwort  
 pencilflower  
 Pennsylvania bittercress  
 Pennsylvania blackberry  
 Pennsylvania buttercup  
 Pennsylvania sedge  
 Pennsylvania smartweed

**Scientific Name**

*Symphyotrichum boreale*  
*Lycopus uniflorus*  
*Viola brittoniana*  
*Carex folliculata*  
*Adiantum pedatum*  
*Quercus rubra*  
*Lindera benzoin*  
*Zizania palustris*  
*Acer platanoides*  
*Acer platanoides 'Crimson king'*  
*Picea abies*  
*Potentilla norvegica*  
*Cyperus rotundus*  
*Scleria spp.*  
*Polygala nuttallii*  
*Desmodium nuttallii*  
*Quercus spp.*  
*Oenothera oakesiana*  
*Avena spp.*  
*Arrhenatherum spp.*  
*Danthonia spp.*  
*Physostegia virginiana*  
*Oldenlandia spp.*  
*Schoenoplectus americanus*  
*Orobanche uniflora*  
*Allium spp.*  
*Papaver somniferum*  
*Hemerocallis fulva*  
*Polygala lutea*  
*Dactylis glomerata*  
*Maclura pomifera*  
*Osmunda spp.*  
*Polygonum arenastrum*  
*Eleocharis ovata*  
*Quercus lyrata*  
*Leucanthemum vulgare*  
*Torreyochloa pallida*  
*Polygonum lapathifolium*  
*Impatiens pallida*  
*Platanthera flava*  
*Panicum spp.*  
*Desmodium paniculatum*  
*Betula papyrifera*  
*Broussonetia papyrifera*  
*Malus pumila*  
*Antennaria parlinii*  
*Pastinaca spp.*  
*Chamaecrista fasciculata*  
*Juncus tenuis*  
*Asimina triloba*  
*Lathyrus spp.*  
*Prunus persica*  
*Pennisetum glaucum*  
*Sagina spp.*  
*Stylosanthes spp.*  
*Cardamine pensylvanica*  
*Rubus pensilvanicus*  
*Ranunculus pensylvanicus*  
*Carex pensylvanica*  
*Polygonum pensylvanicum*

**Common Name**

pennycress  
 pepperweed  
 perennial ryegrass  
 perennial saltmarsh aster  
 perennial wallrocket  
 perfoliate bellwort  
 periwinkle  
 Peruvian dodder  
 Philadelphia panicgrass  
 phlox  
 phragmites  
 pickerelweed  
 pickleweed  
 piedmont staggerbush  
 pignut hickory  
 pigweed  
 pilewort  
 pimpernel  
 pin cherry  
 pin oak  
 pine  
 pine barren flatsedge  
 pine barren stitchwort  
 pinesap  
 pink azalea  
 pink fuzzybean  
 pinweed  
 pipsissewa  
 pitch pine  
 pitseed goosefoot  
 plantain  
 plantain lily  
 pleatleaf knotweed  
 Plukenet's flatsedge  
 plum  
 pointedleaf ticktrefoil  
 Poison ivy  
 poison sumac  
 polygala  
 polypody  
 pond water-starwort  
 pond-lily  
 pondweed  
 pondweed  
 poorjoe  
 poorland flatsedge  
 poor-man's-pepper  
 poppy  
 porcelain-berry  
 possumhaw  
 post oak  
 poverty brome  
 poverty dropseed  
 poverty oatgrass  
 prairie cordgrass  
 prairie sunflower  
 prairie threeawn  
 prickly lettuce  
 pricklyash  
 pricklypear

**Scientific Name**

*Thlaspi spp.*  
*Lepidium spp.*  
*Lolium perenne*  
*Symphyotrichum tenuifolium*  
*Diplotaxis tenuifolia*  
*Uvularia perfoliata*  
*Vinca spp.*  
*Cuscuta obtusiflora*  
*Panicum philadelphicum*  
*Phlox spp.*  
*Phragmites australis*  
*Pontederia cordata*  
*Salicornia spp.*  
*Lyonia mariana*  
*Carya glabra*  
*Amaranthus spp.*  
*Erechtites hieraciifolia*  
*Anagallis spp.*  
*Prunus pensylvanica*  
*Quercus palustris*  
*Pinus spp.*  
*Cyperus retrorsus*  
*Minuartia caroliniana*  
*Monotropa hypopithys*  
*Rhododendron periclymenoides*  
*Strophostyles umbellata*  
*Lechea spp.*  
*Chimaphila umbellata*  
*Pinus rigida*  
*Chenopodium berlandieri*  
*Plantago spp.*  
*Hosta*  
*Polygonum tenue*  
*Cyperus plukenetii*  
*Prunus spp.*  
*Desmodium glutinosum*  
*Toxicodendron radicans*  
*Toxicodendron vernix*  
*Polygala spp.*  
*Polypodium spp.*  
*Callitriche stagnalis*  
*Nuphar spp.*  
*Potamogeton spp.*  
*Stuckenia spp.*  
*Diodia teres*  
*Cyperus compressus*  
*Lepidium virginicum*  
*Papaver spp.*  
*Ampelopsis brevipedunculata*  
*Viburnum nudum*  
*Quercus stellata*  
*Bromus sterilis*  
*Sporobolus vaginiflorus*  
*Danthonia spicata*  
*Spartina pectinata*  
*Helianthus petiolaris*  
*Aristida oligantha*  
*Lactuca serriola*  
*Zanthoxylum spp.*  
*Opuntia spp.*

**Common Name**

primrose-willow  
 prince's pine  
 princess tree  
 privet  
 prostrate knotweed  
 prostrate pigweed  
 prostrate ticktrefoil  
 purple bergamot  
 purple chokeberry  
 purple gerardia  
 purple loosestrife  
 purple lovegrass  
 purple meadowparsnip  
 purple milkweed  
 purple sandgrass  
 purpleleaf plum  
 purple-head sneezeweed  
 purplestem aster  
 purplestem beggarticks  
 purpletop tridens  
 purslane  
 pussy willow  
 pussytoes  
 quackgrass  
 quaking aspen  
 Queen Anne's lace  
 queendevil  
 quill sedge  
 rabbitfoot clover  
 radish  
 ragged robin  
 ragweed  
 ragwort  
 rare clubmoss  
 rattlebox  
 rattlesnake fern  
 rattlesnake mannagrass  
 rattlesnakemaster  
 rattlesnakeroor  
 rattlesnakeweed  
 red chokeberry  
 red clover  
 red columbine  
 red fescue  
 red goosefoot  
 red hickory  
 red maple  
 red milkweed  
 red mulberry  
 red pine  
 red spruce  
 redosier dogwood  
 redring milkweed  
 redstem stork's bill  
 redtop  
 redtop panicgrass  
 reed  
 reedgrass  
 reflexed sedge  
 rhododendron

**Scientific Name**

*Ludwigia* spp.  
*Chimaphila* spp.  
*Paulownia tomentosa*  
*Ligustrum* spp.  
*Polygonum aviculare*  
*Amaranthus albus*  
*Desmodium rotundifolium*  
*Monarda media*  
*Photinia floribunda*  
*Agalinis purpurea*  
*Lythrum salicaria*  
*Eragrostis spectabilis*  
*Thaspium trifoliatum*  
*Asclepias purpurascens*  
*Triplasis purpurea*  
*Prunus cerasifera*  
*Helenium flexuosum*  
*Symphotrichum puniceum*  
*Bidens connata*  
*Tridens flavus*  
*Portulaca* spp.  
*Salix discolor*  
*Antennaria* spp.  
*Elymus repens*  
*Populus tremuloides*  
*Daucus carota*  
*Hieracium gronovii*  
*Carex tenera*  
*Trifolium arvense*  
*Raphanus* spp.  
*Lychnis flos-cuculi*  
*Ambrosia* spp.  
*Packera* spp.  
*Lycopodium obscurum*  
*Crotalaria* spp.  
*Botrychium virginianum*  
*Glyceria canadensis*  
*Eryngium aquaticum*  
*Prenanthes* spp.  
*Hieracium venosum*  
*Photinia pyrifolia*  
*Trifolium pratense*  
*Aquilegia canadensis*  
*Festuca rubra*  
*Chenopodium rubrum*  
*Carya ovalis*  
*Acer rubrum*  
*Asclepias rubra*  
*Morus rubra*  
*Pinus resinosa*  
*Picea rubens*  
*Cornus sericea*  
*Asclepias variegata*  
*Erodium cicutarium*  
*Agrostis gigantea*  
*Panicum rigidulum*  
*Phragmites* spp.  
*Calamagrostis* spp.  
*Carex retroflexa*  
*Rhododendron* spp.

**Common Name**

rice cutgrass  
 ridged yellow flax  
 river birch  
 riverbank wildrye  
 roadside pepperweed  
 rock polypody  
 rose  
 rose gentian  
 rose mallow  
 rose moss  
 rose of Plymouth  
 rose of Sharon  
 rosepink  
 rosette grass  
 rotala  
 rough avens  
 rough barnyardgrass  
 rough bentgrass  
 rough bluegrass  
 rough boneset  
 roughfruit amaranth  
 rough-fruited cinquefoil  
 roundhead lespedeza  
 roundleaf greenbrier  
 roundleaf thoroughwort  
 roundleaf yellow violet  
 roundseed panicgrass  
 royal fern  
 rue anemone  
 rush  
 Russian olive  
 Russian thistle  
 rye  
 rye brome  
 ryegrass  
 sagebrush  
 saline saltbush  
 saltbush  
 saltgrass  
 saltmarsh alkaligrass  
 salt-marsh bulrush  
 saltmarsh false foxglove  
 saltmeadow cordgrass  
 saltmeadow rush  
 sand bittercress  
 sandbar willow  
 sandbur  
 sanddune sandbur  
 sandgrass  
 sandhill thistle  
 sandmat  
 sandspur  
 sanicle  
 sarsaparilla  
 sassafras  
 saucer magnolia  
 sawbrier  
 sawgrass  
 sawtooth oak  
 scarlet Indian paintbrush

**Scientific Name**

*Leersia oryzoides*  
*Linum striatum*  
*Betula nigra*  
*Elymus riparius*  
*Lepidium ruderae*  
*Polypodium virginianum*  
*Rosa* spp.  
*Sabatia* spp.  
*Hibiscus moscheutos*  
*Portulaca grandiflora*  
*Sabatia stellaris*  
*Hibiscus syriacus*  
*Sabatia angularis*  
*Dichanthelium* spp.  
*Rotala* spp.  
*Geum laciniatum*  
*Echinochloa muricata*  
*Agrostis scabra*  
*Poa trivialis*  
*Eupatorium pilosum*  
*Amaranthus tuberculatus*  
*Potentilla recta*  
*Lespedeza capitata*  
*Smilax rotundifolia*  
*Eupatorium rotundifolium*  
*Viola rotundifolia*  
*Dichanthelium sphaerocarpon*  
*Osmunda regalis*  
*Thalictrum thalictroides*  
*Juncus* spp.  
*Elaeagnus angustifolia*  
*Salsola kali*  
*Secale* spp.  
*Bromus secalinus*  
*Lolium* spp.  
*Artemisia* spp.  
*Atriplex subspicata*  
*Atriplex* spp.  
*Distichlis spicata*  
*Puccinellia fasciculata*  
*Schoenoplectus robustus*  
*Agalinis maritima*  
*Spartina patens*  
*Juncus gerardii*  
*Cardamine parviflora*  
*Salix interior*  
*Cenchrus* spp.  
*Cenchrus tribuloides*  
*Triplasis* spp.  
*Cirsium repandum*  
*Chamaesyce* spp.  
*Spergularia* spp.  
*Sanicula* spp.  
*Smilax aristolochiifolia*  
*Sassafras albidum*  
*Magnolia x soulangiana*  
*Smilax glauca*  
*Cladium* spp.  
*Quercus acutissima*  
*Castilleja coccinea*

**Common Name**

scarlet oak  
 scarlet pimpernel  
 Scots pine  
 sea lavender  
 searocket  
 seaside brookweed  
 seaside goldenrod  
 seaside spurge  
 seaside threeawn  
 sedge  
 seedbox  
 seepweed  
 senna  
 sensitive fern  
 serviceberry  
 sesame  
 sessileleaf bellwort  
 shagbark hickory  
 shallow sedge  
 sharpwing monkeyflower  
 sheep laurel  
 shepherd's purse  
 shingle oak  
 shining clubmoss  
 shore little bluestem  
 shortawn foxtail  
 shortleaf pine  
 showy orchid  
 showy skullcap  
 shrubby cinquefoil  
 Siberian elm  
 sidebeak pencilflower  
 Siebold's viburnum  
 silky dogwood  
 silver maple  
 silverleaf linden  
 silverrod  
 silvery sedge  
 sixweeks fescue  
 skullcap  
 skullcap speedwell  
 skunk cabbage  
 sleepydick  
 slender blue iris  
 slender bunchflower  
 slender crabgrass  
 slender fimbry  
 slender flatsedge  
 slender nutrush  
 slender rose gentian  
 slender sowthistle  
 slender woodoats  
 slender yellow woodsorrel  
 slimleaf panicgrass  
 slimspike threeawn  
 slippery elm  
 small pondweed  
 smallflower sweetbrier  
 smartweed  
 smartweed dodder

**Scientific Name**

*Quercus coccinea*  
*Anagallis arvensis*  
*Pinus sylvestris*  
*Limonium* spp.  
*Cakile* spp.  
*Samolus valerandi*  
*Solidago sempervirens*  
*Chamaesyce polygonifolia*  
*Aristida tuberculosa*  
*Carex* spp.  
*Ludwigia alternifolia*  
*Suaeda* spp.  
*Senna* spp.  
*Onoclea sensibilis*  
*Amelanchier* spp.  
*Sesamum orientale*  
*Uvularia sessilifolia*  
*Carya ovata*  
*Carya lurida*  
*Mimulus alatus*  
*Kalmia angustifolia*  
*Capsella bursa-pastoris*  
*Quercus imbricaria*  
*Huperzia lucidula*  
*Schizachyrium littorale*  
*Alopecurus aequalis*  
*Pinus echinata*  
*Galearis spectabilis*  
*Scutellaria serrata*  
*Dasiphora fruticosa*  
*Ulmus pumila*  
*Stylosanthes biflora*  
*Viburnum sieboldii*  
*Cornus amomum*  
*Acer saccharinum*  
*Tilia tomentosa*  
*Solidago bicolor*  
*Carex canescens*  
*Vulpia octoflora*  
*Scutellaria* spp.  
*Veronica scutellata*  
*Symplocarpus foetidus*  
*Ornithogalum umbellatum*  
*Iris prismatica*  
*Veratrum latifolium*  
*Digitaria filiformis*  
*Fimbristylis autumnalis*  
*Cyperus bipartitus*  
*Scleria minor*  
*Sabatia campanulata*  
*Onchus tenerrimus*  
*Chasmanthium laxum*  
*Oxalis dillenii*  
*Dichanthelium linearifolium*  
*Aristida longespica*  
*Ulmus rubra*  
*Potamogeton pusillus*  
*Rosa micrantha*  
*Polygonum* spp.  
*Cuscuta polygonorum*

**Common Name**

smooth beggartick  
 smooth blue aster  
 smooth brome  
 smooth carrionflower  
 smooth cordgrass  
 smooth crabgrass  
 smooth forked nailwort  
 smooth sawgrass  
 smooth Solomon's seal  
 smooth sumac  
 smooth ticktrefoil  
 smooth winterberry  
 snailseed pondweed  
 snakeroot  
 snowberry  
 snowberry  
 soft rush  
 Solomon's seal  
 sorghum  
 southern bog clubmoss  
 southern magnolia  
 southern red oak  
 southern woodland violet  
 sowthistle  
 speargrass  
 speckled alder  
 speedwell  
 spiderwort  
 spikemoss  
 spikerush  
 spindletree  
 spineless hornwort  
 spiny glasswort  
 spinulose woodfern  
 spirea  
 spleenwort  
 spoonleaf purple everlasting  
 spotted Joe Pye weed  
 spotted knapweed  
 spotted pondweed  
 spotted wintergreen  
 spreading dogbane  
 spring avens  
 spring forget-me-not  
 springbeauty  
 spruce  
 spurge  
 squarestem spikerush  
 squarrose sedge  
 squash  
 St. Andrew's cross  
 St. Anthony's turnip  
 St. Johnswort  
 staggerbush  
 staghorn sumac  
 star magnolia  
 star of Bethlehem  
 stargrass  
 star-grass  
 starry false lily of the valley

**Scientific Name**

*Bidens laevis*  
*Symphotrichum laeve*  
*Bromus inermis*  
*Smilax herbacea*  
*Spartina alterniflora*  
*Digitaria ischaemum*  
*Paronychia canadensis*  
*Cladium mariscoides*  
*Polygonatum biflorum*  
*Rhus glabra*  
*Desmodium laevigatum*  
*Ilex laevigata*  
*Potamogeton bicupulatus*  
*Ageratina* spp.  
*Gaultheria* spp.  
*Symphoricarpos* spp.  
*Juncus effusus*  
*Polygonatum* spp.  
*Sorghum bicolor*  
*Lycopodiella appressa*  
*Magnolia grandiflora*  
*Quercus falcata*  
*Viola hirsutula*  
*Sonchus* spp.  
*Piptochaetium* spp.  
*Alnus incana*  
*Veronica* spp.  
*Tradescantia* spp.  
*Selaginella* spp.  
*Eleocharis* spp.  
*Euonymus* spp.  
*Ceratophyllum echinatum*  
*Salicornia depressa*  
*Dryopteris carthusiana*  
*Spiraea* spp.  
*Asplenium* spp.  
*Gamochaeta purpurea*  
*Eupatoriadelphus maculatus*  
*Centaurea*  
*Potamogeton pulcher*  
*Chimaphila maculata*  
*Apocynum androsaemifolium*  
*Geum vernum*  
*Myosotis verna*  
*Claytonia* spp.  
*Picea* spp.  
*Euphorbia* spp.  
*Eleocharis quadrangulata*  
*Carex squarrosa*  
*Cucurbita* spp.  
*Hypericum hypericoides*  
*Ranunculus bulbosus*  
*Hypericum* spp.  
*Lyonia* spp.  
*Rhus typhina*  
*Magnolia stellata*  
*Ornithogalum* spp.  
*Cynodon plectostachyus*  
*Hypoxis* spp.  
*Maianthemum stellatum*

**Common Name**

starved panicgrass  
 starwort  
 steplebush  
 sticky catchfly  
 stiff cowbane  
 stiff ticktrefoil  
 stiff yellow flax  
 stinging nettle  
 stitchwort  
 stork's bill  
 strawberry  
 strawcolored flatsedge  
 striped maple  
 sugar maple  
 sumac  
 summer grape  
 sunflower  
 swamp azalea  
 swamp cottonwood  
 swamp doghobble  
 swamp loosestrife  
 swamp lousewort  
 swamp milkweed  
 swamp sunflower  
 swamp verbena  
 swamp white oak  
 swamppink  
 Swan's sedge  
 sweet cherry  
 sweet fern  
 sweet mock orange  
 sweet pepperbush  
 sweet vernalgrass  
 sweet woodreed  
 sweetbay  
 sweetflag  
 sweetgrass  
 sweetgum  
 sweetroot  
 sweetscented Joe Pye weed  
 switchgrass  
 sycamore maple  
 tall blue lettuce  
 tall buttercup  
 tall fescue  
 tall lespedeza  
 tall meadow-rue  
 tall morning-glory  
 tall oatgrass  
 tall rattlesnakeroot  
 tall thimbleweed  
 tall thistle  
 tamarack  
 tapered rosette grass  
 taperleaf water horehound  
 tapertip rush  
 Tatarian honeysuckle  
 tawny cottongrass  
 terrestrial water-starwort  
 thicket sedge

**Scientific Name**

*Dichanthelium depauperatum*  
*Stellaria* spp.  
*Spiraea tomentosa*  
*Silene caroliniana*  
*Oxypolis rigidior*  
*Desmodium obtusum*  
*Linum medium*  
*Urtica dioica*  
*Minuartia* spp.  
*Erodium* spp.  
*Fragaria* spp.  
*Cyperus strigosus*  
*Acer pensylvanicum*  
*Acer saccharum*  
*Rhus* spp.  
*Vitis aestivalis*  
*Helianthus* spp.  
*Rhododendron viscosum*  
*Populus heterophylla*  
*Eubotrys racemosa*  
*Decodon verticillatus*  
*Pedicularis lanceolata*  
*Asclepias incarnata*  
*Helianthus angustifolius*  
*Verbena hastata*  
*Quercus bicolor*  
*Helonias bullata*  
*Carex swanii*  
*Prunus avium*  
*Comptonia peregrina*  
*Philadelphus coronarius*  
*Clethra alnifolia*  
*Anthoxanthum odoratum*  
*Cinna arundinacea*  
*Magnolia virginiana*  
*Acorus americanus*  
*Hierochloa odorata*  
*Liquidambar styraciflua*  
*Osmorhiza* spp.  
*Eupatorium purpureum*  
*Panicum virgatum*  
*Acer pseudoplatanus*  
*Lactuca biennis*  
*Ranunculus acris*  
*Schedonorus phoenix*  
*Lespedeza stuevei*  
*Thalictrum pubescens*  
*Ipomoea purpurea*  
*Arrhenatherum elatius*  
*Prenanthes altissima*  
*Anemone virginiana*  
*Cirsium altissimum*  
*Larix laricina*  
*Dichanthelium acuminatum*  
*Lycopus rubellus*  
*Juncus acuminatus*  
*Lonicera tatarica*  
*Eriophorum virginicum*  
*Callitriche terrestris*  
*Carex abscondita*

**Common Name**

Thickseed sunflower  
 thimbleberry  
 thin paspalum  
 thistle  
 thoroughwort  
 threadleaf crowfoot  
 threadleaf false foxglove  
 threeawn  
 threebirds  
 threeleaf goldthread  
 threelobe beggarticks  
 threepetal bedstraw  
 threeseed mercury  
 threeway sedge  
 thymeleaf pinweed  
 thymeleaf speedwell  
 ticktrefoil  
 tidalmarsh amaranth  
 timothy  
 tiny vetch  
 tipularia  
 toad rush  
 toadflax  
 toothed whitetop aster  
 Torrey's mountainmint  
 touch-me-not  
 trailing arbutus  
 tree of heaven  
 tridens  
 trident maple  
 trillium  
 true forget-me-not  
 trumpet creeper  
 trumpet honeysuckle  
 trumpetweed  
 tuberous grasspink  
 tufted hairgrass  
 tufted loosestrife  
 tufted lovegrass  
 tuliptree  
 Turkish hazelnut  
 turk's-cap lily  
 turtlehead  
 tussock sedge  
 twoflower dwarf dandelion  
 umbrella flatsedge  
 umbrella-sedge  
 upland bentgrass  
 valdivia duckweed  
 variable panicgrass  
 velvet panicum  
 velvet sedge  
 velvetgrass  
 vernal water-starwort  
 veronicastrum  
 vervain  
 vetch  
 viburnum  
 violet  
 violet lespedeza

**Scientific Name**

*Bidens coronata*  
*Rubus parviflorus*  
*Paspalum setaceum*  
*Cirsium* spp.  
*Eupatorium* spp.  
*Ranunculus trichophyllus*  
*Agalinis setacea*  
*Aristida* spp.  
*Triphora trianthophora*  
*Coptis trifolia*  
*Bidens tripartita*  
*Galium trifidum*  
*Acalypha* spp.  
*Dulichium arundinaceum*  
*Lechea minor*  
*Veronica serpyllifolia*  
*Desmodium* spp.  
*Amaranthus cannabinus*  
*Phleum pratense*  
*Vicia hirsuta*  
*Tipularia* spp.  
*Juncus bufonius*  
*Nuttallanthus* spp.  
*Sericocarpus asteroides*  
*Pycnanthemum torrei*  
*Impatiens* spp.  
*Epigaea repens*  
*Ailanthus altissima*  
*Tridens* spp.  
*Acer buergerianum*  
*Trillium* spp.  
*Myosotis scorpioides*  
*Campsis radicans*  
*Lonicera sempervirens*  
*Eupatoriadelphus fistulosus*  
*Calopogon tuberosus*  
*Deschampsia cespitosa*  
*Lysimachia thyrsiflora*  
*Eragrostis pectinacea*  
*Liriodendron tulipifera*  
*Corylus colurna*  
*Lilium superbum*  
*Chelone* spp.  
*Carex stricta*  
*Krigia biflora*  
*Cyperus diandrus*  
*Fuirena* spp.  
*Agrostis perennans*  
*Lemna valdiviana*  
*Dichanthelium commutatum*  
*Dichanthelium scoparium*  
*Carex vestita*  
*Holcus* spp.  
*Callitriche palustris*  
*Veronicastrum* spp.  
*Verbena* spp.  
*Vicia* spp.  
*Viburnum* spp.  
*Viola* spp.  
*Lespedeza violacea*

**Common Name**

violet woodsorrel  
viper's bugloss  
Virginia bunchflower  
Virginia chainfern  
Virginia creeper  
Virginia dwarfdandelion  
Virginia groundcherry  
Virginia iris  
Virginia knotweed  
Virginia pine  
Virginia rose  
Virginia snakeroot  
Virginia spiderwort  
Virginia springbeauty  
Virginia tephrosia  
Virginia water horehound  
Virginia wildrye  
wallrocket  
walnut  
warm season grass  
warty panicgrass  
water hyacinth  
water knotweed  
water mannagrass  
water sedge  
water speedwell  
watercress  
waterhorehound  
waterlily  
watermelon  
watermoss  
waterplantain spearwort  
water-starwort  
waterthread pondweed  
wavy hairgrass  
waxflower shinleaf  
waxweed  
waxyleaf meadow-rue  
wayfaringtree  
weak stellate sedge  
weeping alkaligrass  
weeping Higan cherry  
weeping willow  
western brackenfern  
western vervain  
western waterweed  
wheat  
wheatgrass  
whip nutrush  
white ash  
white avens  
white baneberry  
white clover  
white colicroot  
white fire  
white fringed orchid  
white heath aster  
white meadowsweet  
white mulberry  
white oak

**Scientific Name**

*Oxalis violacea*  
*Echium* spp.  
*Veratrum virginicum*  
*Woodwardia virginica*  
*Parthenocissus quinquefolia*  
*Krigia virginica*  
*Physalis virginiana*  
*Iris virginica*  
*Polygonum virginianum*  
*Pinus virginiana*  
*Rosa virginiana*  
*Aristolochia serpentaria*  
*Tradescantia virginiana*  
*Claytonia virginica*  
*Tephrosia virginiana*  
*Lycopus virginicus*  
*Elymus virginicus*  
*Diplotaxis* spp.  
*Juglans* spp.  
  
*Panicum verrucosum*  
*Eichhornia crassipes*  
*Polygonum amphibium*  
*Glyceria fluitans*  
*Carex aquatilis*  
*Veronica anagallis-aquatica*  
*Nasturtium officinale*  
*Lycopus* spp.  
*Nymphaea* spp.  
*Citrullus lanatus*  
*Salvinia* spp.  
*Ranunculus ambigens*  
*Callitriche* spp.  
*Potamogeton diversifolius*  
*Deschampsia flexuosa*  
*Pyrola elliptica*  
*Cuphea* spp.  
*Thalictrum revolutum*  
*Viburnum lantana*  
*Carex seorsa*  
*Puccinellia distans*  
*Prunus subhirtella*  
*Salix × sepulcralis*  
*Pteridium aquilinum*  
*Verbena lasiostachys*  
*Elodea nuttallii*  
*Triticum* spp.  
*Thinopyrum* spp.  
*Scleria triglomerata*  
*Fraxinus americana*  
*Geum canadense*  
*Actaea pachypoda*  
*Trifolium repens*  
*Aletris farinosa*  
*Abies concolor*  
*Platanthera blephariglottis*  
*Symphyotrichum ericoides*  
*Spiraea alba*  
*Morus alba*  
*Quercus alba*

**Common Name**

white panicle aster  
white poplar  
white snakeroot  
white turtlehead  
white vervain  
white wallrocket  
white willow  
white wood aster  
whitegrass  
whitemouth dayflower  
whitetinge sedge  
whitetop  
whitetop  
whitetop aster  
whorled milkweed  
whorled mountainmint  
whorled wood aster  
widelif orchid  
wild bergamot  
wild carrot  
wild chervil  
wild comfrey  
wild cucumber  
wild garlic  
wild geranium  
wild indigo  
wild parsnip  
wild radish  
wild strawberry  
wild yam  
wildrice  
wildrye  
willow  
willow dock  
willow oak  
willowherb  
wineberry  
winged sumac  
wingstem  
winter bentgrass  
winter creeper  
wintergreen  
wisteria  
witchgrass  
witchhazel  
woman's tobacco  
wood anemone  
wood lily  
woodfern  
woodland bulrush  
woodland mulhy  
woodland strawberry  
woodland sunflower  
woodoats  
woodreed  
woodsorrel  
woolgrass  
woolly beachheather  
yam  
yarrow

**Scientific Name**

*Symphyotrichum lanceolatum*  
*Populus alba*  
*Ageratina altissima*  
*Chelone glabra*  
*Verbena urticifolia*  
*Diplotaxis erucoides*  
*Salix alba*  
*Eurybia divaricata*  
*Leersia virginica*  
*Commelina erecta*  
*Carex albicans*  
*Cardaria draba*  
*Doellingeria* spp.  
*Sericocarpus* spp.  
*Asclepias verticillata*  
*Pycnanthemum verticillatum*  
*Oclemena acuminata*  
*Liparis* spp.  
*Monarda fistulosa*  
*Daucus* spp.  
*Anthriscus sylvestris*  
*Cynoglossum virginianum*  
*Echinocystis lobata*  
*Allium vineale*  
*Geranium maculatum*  
*Baptisia* spp.  
*Pastinaca sativa*  
*Raphanus raphanistrum*  
*Fragaria virginiana*  
*Dioscorea villosa*  
*Zizania* spp.  
*Elymus* spp.  
*Salix* spp.  
*Rumex salicifolius*  
*Quercus phellos*  
*Epilobium* spp.  
*Rubus phoenicolasius*  
*Rhus copallinum*  
*Verbesina alternifolia*  
*Agrostis hyemalis*  
*Euonymus fortunei*  
*Pyrola* spp.  
*Wisteria* spp.  
*Panicum capillare*  
*Hamamelis* spp.  
*Antennaria plantaginifolia*  
*Anemone quinquefolia*  
*Lilium philadelphicum*  
*Dryopteris* spp.  
*Scirpus expansus*  
*Muhlenbergia sylvatica*  
*Fragaria vesca*  
*Helianthus divaricatus*  
*Chasmanthium* spp.  
*Cinna* spp.  
*Oxalis* spp.  
*Scirpus cyperinus*  
*Hudsonia tomentosa*  
*Dioscorea* spp.  
*Achillea* spp.

**Common Name**

yellow birch  
yellow flatsedge  
yellow fringed orchid  
yellow giant hyssop  
yellow loosestrife  
yellow marsh marigold  
yellow nutsedge  
yellow pond-lily

**Scientific Name**

*Betula alleghaniensis*  
*Cyperus flavescens*  
*Platanthera ciliaris*  
*Agastache nepetoides*  
*Lysimachia spp.*  
*Caltha palustris*  
*Cyperus esculentus*  
*Nuphar lutea*

**Common Name**

yellow thistle  
yellow water buttercup  
yellowseed false pimpernel  
yellowwood  
yew  
yoshino cherry  
yucca

**Scientific Name**

*Cirsium horridulum*  
*Ranunculus flabellaris*  
*Lindernia dubia*  
*Cladrastis kentukea*  
*Taxus spp.*  
*Prunus × yedoensis*  
*Yucca spp.*