

APPENDIX B

Plant Species in Moorestown Township

Tree Inventory

Species	Total
Broadleaf deciduous large	
Pin oak	560
London planetree	358
Sugar maple	353
Maple	302
Norway maple	292
Japanese zelkova	292
Northern red oak	212
Silver maple	178
Sweetgum	176
Ash	155
American sycamore	155
Oak species	130
Black maple	129
Honeylocust	124
Willow oak	101
Green ash	80
White ash	77
Black cherry	70
American basswood	66
American beech	60
Elm	59
Tulip tree	51
Ohio buckeye	43
White oak	41

Species	Total
Hickory	30
Northern hackberry	22
Horsechestnut	21
Black walnut	20
Black oak	20
Katsura tree	19
American elm	15
Copper beech	12
Baldcypress	11
Kentucky coffeetree	8
Southern red oak	8
European ash	7
Northern pin oak	7
Chestnut oak	6
Florida maple	5
Laurel oak	5
Florida maple	4
Hackberry	4
Bear oak	4
Bur oak	4
English oak	4
Tatar ample	3
Narrowleaf ash	3
European larch	3
Scarlet oak	2
Water oak	2
Yellow birch	1
Bitternut hickory	1
American chestnut	1
Shagbark hickory	1
Turkish filbert	1
Cucumber tree	1
Dawn redwood	1
Red mulberry	1

Species	Total
Sourwood	1
Swamp white oak	1
Shingle oak	1
Swamp chestnut oak	1
Chinese toon	1
Total	4,326
Broadleaf deciduous medium	
Red maple	1,051
Littleleaf linden	298
Sawtooth oak	83
American hornbeam	75
Hedge maple	59
Black locust	52
Ginkgo	50
Amur maackia	48
Black tupelo	38
Unknown tree	37
Amur corktree	27
Yellowwood	23
Boxelder	21
Eastern hophornbeam	20
Mulberry	17
River birch	14
Hardy rubber	13
Japanese pagoda tree	11
Magnolia	9
Sassafras	9
Silverbell	6
Black ash	5
Black birch	4
European white birch	3
Royal paulownia	3
Willow	3

Species	Total
Paper birch	2
Common pear	2
Chinese elm	2
Slippery elm	2
Grey birch	1
English walnut	1
Overcup oak	1
Black willow	1
Total	1,991
Broadleaf deciduous small	
Plum	160
Pear	152
Dogwood	98
Callery pear	73
Japanese tree lilac	64
Amur maple	45
Eastern redbud	44
Crabapple	36
Kwanzan cherry	26
Goldenrain tree	22
Japanese maple	10
Apple	8
Hawthorn	4
Rose-of-Sharon	4
Cherry plum	4
Kousa dogwood	3
Common crapemyrtle	3
Higan cherry	3
Japanese snowbell	3
Trident maple	2
Paperbark maple	2
Flowering dogwood	2
Peach	2

Species	Total
European mountain ash	2
Broadleaf deciduous small	1
Russian olive	1
Star magnolia	1
Dwarf sumac	1
Variegated willow	1
Total	777
Broadleaf evergreen small	
Holly	9
American holly	6
Boxwood	2
Chinese holly	2
English holly	1
Total	20
Conifer evergreen large	
Eastern white pine	204
Norway spruce	64
Pine	63
Pitch pine	25
Leyland cypress	12
Red pine	12
Western red cedar	12
Pond cypress	11
Douglas fir	10
Cedar of Lebanon	3
Japanese black pine	3
Deodar cedar	2
Cryptomeria	2
English yew	2
White fir	1
Japanese red cedar	1
Shortleaf pine	1

Species	Total
Total	428
Conifer evergreen medium	
Arborvitae	35
Eastern red cedar	31
Spruce	25
Eastern hemlock	24
Atlas cedar	13
Virginia pine	7
Blue spruce	6
White spruce	5
Juniper	2
Scotch pine	2
Japanese umbrella pine	2
Total	152
Conifer evergreen small	
Mugo pine	1
Total	1
Township total	7,695

Source: Moorestown Township Tree Planting and Preservation Committee, 2012

Rare Plant Species

Common Name	Scientific Name	Federal Status	State Status	Regional Status	G Rank	S Rank	Last Observed	Identified?
Vascular Plant								
Glomerate Sedge	<i>Carex aggregate</i>			HL	G5	S1S2	1919-05-23	Y
Parker's Pipewort	<i>Ericaulon parkeri</i>			HL	G3	S2	1973-10-07	Y
Swamp-pink	<i>Helonias bullata</i>	LT	E	LP, HL	G3	S3	2009-12-08	Y
Long-beak Water Buttercup	<i>Ranunculus longirostris</i>			HL	G5	S2	1914-10-10	Y

Common Name	Scientific Name	Federal Status	State Status	Regional Status	G Rank	S Rank	Last Observed	Identified?
Awl-leaf arrowhead	<i>Sagittaria subulata</i>			HL	G4	S2	1974-07-11	Y

Source: NJDEP Natural Heritage Database, 2009

Federal Status Codes
LE - Taxa formally listed as endangered
LT - Taxa formally listed as threatened
State Code
T - Threatened species. May become endangered if conditions surrounding the species begin to or continue to deteriorate.
E - Endangered species. Prospects for survival within the state are in immediate danger due to one or many factors—a loss of habitat, over-exploitation, predation, competition, or disease. An endangered species requires immediate assistance or extinction will probably follow.
INC - Increasing species. Population has exhibited a significant increase, beyond the normal range of its lifestyle, over a long-term period.
SC - Special concern species. Warrants special attention because of some evidence of decline, inherent vulnerability to environmental degradation, or habitat modification that would result in their becoming a Threatened species. This category would also be applied to species that meet the foregoing criteria and for which there is little understanding of the current population status in the state.
RP - Regional priority species. A species in a regional conservation plan.
U - Undetermined species. There is not enough information available to determine the status.
D - Declining species. Population has exhibited a continued decline in population numbers over the years.
P - Peripheral species. Occurrence in New Jersey is at the extreme edge of its natural range.
S - Stable species. Population is not undergoing any long-term increase/decrease within its natural cycle.
Status for animals separated by a slash (/) indicates a dual status. First status refers to the state breeding population, and the second status refers to the migratory or winter population.
Regional Codes
LP - Indicates taxa or ecological communities listed by the Pinelands commission as endangered or threatened within their legal jurisdiction. Not all species currently tracked by the Pinelands Commission are tracked by the natural Heritage Program. A complete list of endangered and threatened Pinelands species is included in the New Jersey Pinelands Comprehensive Management Plan.
HL - Indicates taxa or ecological communities protected by the Highlands Water Protection and Planning Act within the jurisdiction of the Highlands Preservation Area.

Flora Identified at South Valley Woods

The following plant species were identified by Blaine Rothauser of BR Environmental, LLC, on July 7 and 14, 2011 at South Valley Woods in Moorestown.

Flora



Spotted Joe-Pye Weed
(*Eupatorium maculatum*)

1. Seedbox (*Ludwigia alternifolia*)
2. Giant Goldenrod (*Solidago gigantea*)
3. Rough-leaved goldenrod (*Solidago rogersia*)
4. Canada Goldenrod (*Solidago canadensis*)
5. Wild Madder (*Galium obtusum*)
6. Skunk Cabbage (*Symplocarpus foetidus*)
7. Suaqroot (*Conopholis americana*)
8. Beechdrops (*Epifagus virginiana*)
9. Arrow Arum (*Peltandra virginica*)
10. Violet (*Viola sp.*)
11. Jack in Pulpit (*Arisaema sp.*)
12. Pickerel weed (*Pontedaria cordata*)
13. Spotted Touch me Not (*Impatiens capensis*)
14. Yellow Sweet Clover (*Melilotus officinalis*)
15. Red Clover (*Trifolium pratense*)
16. Tick Trefoils (*Desmodium sp.*)

17. Crown Vetch (*Cornilla varia*)
18. Wood Betony (*Pedicularis Canadensis*)
19. Narrow Leaved Mtn. Mint (*Pycnanthemum tenuifolium*)
20. Selfheal (*Prunella vulgaris*)
21. Northern Bugleweed (*Lycopus uniflorus*)
22. Indian Pipe (*Monotropa uniflora*)
23. Bergamot (*Monarda fistulosa*)
24. Turtlehead (*Chelone glabra*)
25. Common speedwell (*Veronica officianlis*)
26. Mad-dog Skullcap (*Scutellaria lateriflora*)
27. Gray Beardtongue (*Penstemon hirsutus*)
28. Arrowhead (*Sagittaria sp.*)
29. Blue flag Iris (*Iris versicolor*)
30. Jump seed (*Tovara virginiana*)
31. Garlic mustard (*Alliaria officinalis*)
32. Willow Herb (*Epilobium sp.*)
33. *Carex stricta*
34. *Carex vulpinoida*
35. Tall Meadow Rue (*Thalictrum polygamum*)
36. Marsh Bedstraw (*Galium palustre*)
37. Partridge berry (*Mitchella repens*)
38. Teasel (*Dipsacus silvestris*)
39. Flowering Dogwood (*Cornus florida*)]
40. Service berry (*Amelanchier sp.*)
Ash-leaved maple (*Acer negundo*)]
41. Red maple (*Acer rubrum*)
42. Silver Maple (*Acer saccharinum*)
43. Sycamore (*Plantus occidentalis*)
44. Tulip Tree (*Liriodendron tulipefera*)
45. Black Cherry (*Prunus serotina*)
46. Red Oak (*Quercus rubra*)
47. Black Oak (*Quercus velutina*)
48. Willow Oak (*Quercus phellos*)]
49. Pin Oak (*Quercus paulstirs*)
50. White Oak (*Quercus alba*)
51. American Beech (*Fagus grandifolia*)
52. White Ash (*Fraxinus americana*)

53. Black Birch (*Betula lenta*)
54. Silky Dogwood (*Cornus amomum*)
55. Black Haw viburnum (*Viburnum prunifolium*)
56. Arrow Wood (*Viburnum dentatum*)
57. Highbush Blueberry (*Vaccinium corymbosum*)
58. Staggerbush (*Lyonia mariana*)
59. Spicebush (*Lindera benzoin*)
60. Buckthorn (*Rhamnus sp.*)
61. Shinleaf (*Pyrola elliptica*)
62. Sweet Pepperbush (*Clethra alnifolia*)
63. Wild Sarsaparilla (*Aralia nudicaulis*)
64. Wood Sorrel (*Oxalis montana*)
65. Strawberry (*Fragaria sp.*)
66. Purslane (*Portulaca oleracea*)
67. Mullein (*Verbascum Thapsus*)
68. Japanese Knotweed (*Polygonum cuspidatum*)
69. Water Pepper (*Polygonum hydropiperoidesd*)
70. Pokeweed (*Phytolacca Americana*)
71. Wild Carrot (*Daucus carota*)
72. Yarrow (*Achillea millifolium*)
73. Water Hemlock (*Cicuta maculate*)
74. Common Blackberry (*Rubus allegheniensis*)
75. Avens (*Geum sp.*)
76. Woodland Agrimony (*Agrimonia striata*)
77. Moneywort (*Lysimachia nummularia*)
78. Tall Buttercup (*Ranunculus acris*)
79. Dogbane (*Apocynum sp.*)
80. Bouncing Bet (*Saponaria officinalis*)
81. Swamp Milkweed (*Asclepias incarnate*)
82. Common Milkweed (*Asclepias syriaca*)
83. Whorled Loosestrife (*Lysimachia quadrifolia*)
84. Blue Vervain (*Verbena hastate*)
85. Azalea (*Rhodendron sp.*)
86. Steeplebush (*Spirea tomentosa*)
87. Swamp Rose (*Rosa palustris*)
88. Multiflora Rose (*Rosa multiflora*)
89. Elderberry (*Sambucus canadensis*)

90. Solomon Seal (*Polygonatum sp.*)
91. False Hellebore (*Veratrum viride*)
92. Turk's-cap Lily (*Lilium superbum*)
93. Hawkweed (*Heracium sp.*)
94. Common Fleabane (*Erigeron philadelphicus*)
95. Tickseed Sunflower (*Bidens coronata*)
96. Bitter Dock (*Rumex obtusifolius*)
97. Common Cattail (*Typha latifolia*)
98. False Stinging Nettle (*Bohmeria cylindrical*)
99. Canada Thistle (*Cirsium arvense*)
100. Boneset (*Eupatorium perfoliatum*)
101. Fox Grape (*Vitis labrusca*)
102. White Wood Aster (*Aster divaricatus*)
103. Asters (*Aster sp.*)
104. Sensitive Fern (*Onoclea sensibilus*)
105. Cinnamon Fern (*Osmunda cinnamomium*)
106. Interrupted Fern (*Osmunda claytoniana*)
107. NY Fern (*Thelypteris noveboracensis*)
108. Pennsylvania Sedge (*Carex Pennsylvanica*)
109. Orchard Grass (*Dactylus glomerata*)
110. Joe-pye Weed (*Eupatoriadelphus dubius*)
111. Posion Ivy (*Toxicodendron radicans*)
112. Virgina Creeper (*Parthenocissus quenquefoli*)