

**What's the Difference?** The difference between trees and shrubs is that of size. Trees are generally defined as a woody plant with only one erect stem at least three inches in diameter at four and a half feet above the ground, and growing to a height over thirteen feet. A shrub is any woody plant smaller than that. A general rule of thumb is: if you can walk under it, it's a tree; if you have to walk around it, it's a shrub.

**Invasive Species.** Invasive plants are one of the greatest threats to New Jersey's biodiversity. In New Jersey, 94 invasive plants have been identified. Many invasive species out-compete important native species which are essential for food and cover to native wildlife. Thus, when invasive plants invade a habitat we lose not just our native plants; we also lose the animals which depend on them for food and shelter. Learning to identify and eradicate invasive plants is an essential task for land managers as well as backyard gardeners.

Work still needs to be done to add to our understanding of trees and shrubs at Schiff. Please send comments or interesting sightings to: [info@schiffnaturepreserve.org](mailto:info@schiffnaturepreserve.org) or call the Nature Center at 973-543-6004. Reports should include sighting date, exact location, and photographs, if possible.

The most comprehensive resource for learning about invasive plant species in our area is The Central Jersey Invasive Species Strike Team. <http://www.ejisst.org/>

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All photos courtesy of Blaine Rothouser  
[www.e-naturaleyec.com](http://www.e-naturaleyec.com)

# Trees & Shrubs

OF SCHIFF NATURE PRESERVE



Flowering Dogwood

This list contains 120 species of trees and shrubs known to have been found at the Schiff Nature Preserve.



Virginia Creeper



Shagbark Hickory



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Paper info to come





# Trees & Shrubs Checklist of Schiff Nature Preserve Area

## Key To Status

\* Most recent identification in 1962 by the Boy Scouts

(I) Invasive species

Common Name Latin Name

## Trees

|  |                               |
|--|-------------------------------|
| <input type="checkbox"/> Ailanthus - I<br>(Tree of Heaven) | <i>Ailanthus altissima</i>    |
| <input type="checkbox"/> American Bladdernut               | <i>Staphylea trifolia</i>     |
| <input type="checkbox"/> American hornbeam                 | <i>Carpinus caroliniana</i>   |
| <input type="checkbox"/> Apple Tree*                       | <i>Malus domestica</i>        |
| <input type="checkbox"/> Ash, Green or Red                 | <i>Fraxinus pennsylvanica</i> |
| <input type="checkbox"/> Ash, Mountain*                    | <i>Fraxinus texensis</i>      |
| <input type="checkbox"/> Ash, Pumpkin or Red*              | <i>Fraxinus profunda</i>      |
| <input type="checkbox"/> Ash, White                        | <i>Fraxinus americana</i>     |
| <input type="checkbox"/> Aspen, Bigtooth                   | <i>Populus grandidentata</i>  |
| <input type="checkbox"/> Aspen, Quaking                    | <i>Populus tremuloides</i>    |
| <input type="checkbox"/> Basswood<br>(American Linden)     | <i>Tilia americana</i>        |
| <input type="checkbox"/> Beech, American                   | <i>Fagus grandifolia</i>      |
| <input type="checkbox"/> Birch, Black                      | <i>Betula lenta</i>           |
| <input type="checkbox"/> Birch, Gray                       | <i>Betula populifolia</i>     |
| <input type="checkbox"/> Birch, Yellow                     | <i>Betula alleghaniensis</i>  |
| <input type="checkbox"/> Boxelder                          | <i>Acer negundo</i>           |
| <input type="checkbox"/> Butternut                         | <i>Juglans cinerea</i>        |
| <input type="checkbox"/> Cedar, Eastern Red                | <i>Juniperus virginiana</i>   |
| <input type="checkbox"/> Cherry, Sweet                     | <i>Prunus avium</i>           |
| <input type="checkbox"/> Cherry, Wild Black                | <i>Prunus serotina</i>        |
| <input type="checkbox"/> Chestnut, American                | <i>Castanea dentata</i>       |
| <input type="checkbox"/> Club, Hercules - I*               | <i>Aralia spinosa</i>         |
| <input type="checkbox"/> Coffee-tree, Kentucky*            | <i>Gymnocladus dioicus</i>    |
| <input type="checkbox"/> Cucumbertree Magnolia             | <i>Magnolia acuminata</i>     |
| <input type="checkbox"/> Dogwood, Flowering                | <i>Cornus florida</i>         |
| <input type="checkbox"/> Dogwood, Red-Panniced*            | <i>Cornus racemosa</i>        |
| <input type="checkbox"/> Elderberry                        | <i>Sambucus canadensis</i>    |
| <input type="checkbox"/> Elm, American*                    | <i>Ulmus americana</i>        |
| <input type="checkbox"/> Elm, Scotch*                      | <i>Ulmus glabra</i>           |
| <input type="checkbox"/> Elm, Siberian - I*                | <i>Ulmus pumila</i>           |
| <input type="checkbox"/> Elm, Slippery*                    | <i>Ulmus fulva</i>            |
| <input type="checkbox"/> Gum, Black                        | <i>Nyssa sylvatica</i>        |
| <input type="checkbox"/> Hackberry*                        | <i>Celtis occidentalis</i>    |
| <input type="checkbox"/> Hemlock, Eastern                  | <i>Tsuga canadensis</i>       |
| <input type="checkbox"/> Hickory, Bitternut*               | <i>Carya cordiformis</i>      |
| <input type="checkbox"/> Hickory, Mockernut                | <i>Carya alba</i>             |

|   |                                |
|---|--------------------------------|
| <input type="checkbox"/> Hickory, Pignut            | <i>Carya glabra</i>            |
| <input type="checkbox"/> Hickory, Shagbark          | <i>Carya ovata</i>             |
| <input type="checkbox"/> Holly, American            | <i>Ilex opaca</i>              |
| <input type="checkbox"/> Hop, Hornbeam              | <i>Ostrya virginiana</i>       |
| <input type="checkbox"/> Ironwood                   | <i>Olneya tesota</i>           |
| <input type="checkbox"/> Japanese Angelica Tree - I | <i>Aralia elata</i>            |
| <input type="checkbox"/> Laburnum, Scotch*          | <i>Laburnum alpinum</i>        |
| <input type="checkbox"/> Locust, Black              | <i>Robinia pseudoacacia</i>    |
| <input type="checkbox"/> Maple, Amur - I            | <i>Acer ginnala</i>            |
| <input type="checkbox"/> Maple, Norway - I          | <i>Acer platanoides</i>        |
| <input type="checkbox"/> Maple, Red                 | <i>Acer rubrum</i>             |
| <input type="checkbox"/> Maple, Silver*             | <i>Acer saccharinum</i>        |
| <input type="checkbox"/> Maple, Sugar               | <i>Acer saccharum</i>          |
| <input type="checkbox"/> Mulberry, White*           | <i>Morus alba</i>              |
| <input type="checkbox"/> Oak, Blackjack             | <i>Quercus marilandica</i>     |
| <input type="checkbox"/> Oak, Chestnut              | <i>Quercus prinus</i>          |
| <input type="checkbox"/> Oak, Eastern Black         | <i>Quercus velutina</i>        |
| <input type="checkbox"/> Oak, Northern Red          | <i>Quercus rubra</i>           |
| <input type="checkbox"/> Oak, Scarlet               | <i>Quercus coccinea</i>        |
| <input type="checkbox"/> Oak, White                 | <i>Quercus alba</i>            |
| <input type="checkbox"/> Olive, Autumn - I          | <i>Elaeagnus umbellata</i>     |
| <input type="checkbox"/> Pine, Eastern White        | <i>Pinus strobus</i>           |
| <input type="checkbox"/> Pine, Red                  | <i>Pinus resinosa</i>          |
| <input type="checkbox"/> Redbud                     | <i>Cercis canadensis</i>       |
| <input type="checkbox"/> Sassafras                  | <i>Sassafras albidum</i>       |
| <input type="checkbox"/> Serviceberry or Shadbush   | <i>Amelanchier spp.</i>        |
| <input type="checkbox"/> Spicebush, Northern        | <i>Lindera benzoin</i>         |
| <input type="checkbox"/> Spruce, Norway             | <i>Picea abies</i>             |
| <input type="checkbox"/> Sumac, Smooth*             | <i>Rhus glabra</i>             |
| <input type="checkbox"/> Sycamore, American         | <i>Platanus occidentalis</i>   |
| <input type="checkbox"/> Tuliptree (Tulip poplar)   | <i>Liriodendron tulipifera</i> |
| <input type="checkbox"/> Walnut, Black              | <i>Juglans nigra</i>           |
| <input type="checkbox"/> Willow, Black              | <i>Salix nigra</i>             |
| <input type="checkbox"/> Willow, Pussy*             | <i>Salix discolor</i>          |
| <input type="checkbox"/> Willow, Weeping*           | <i>Salix sepulcralis</i>       |
| <input type="checkbox"/> Witch hazel                | <i>Hamamelis virginiana</i>    |

## Shrubs

|   |                                     |
|---|-------------------------------------|
| <input type="checkbox"/> Alder, Speckled *      | <i>Alnus incana</i>                 |
| <input type="checkbox"/> Aralia, Fiveleaf - I   | <i>Eleutherococcus sieboldianus</i> |
| <input type="checkbox"/> Arrowwood              | <i>Viburnum dentatum</i>            |
| <input type="checkbox"/> Azalea, Pink           | <i>Populus tremuloides</i>          |
| <input type="checkbox"/> Barberry, Japanese - I | <i>Berberis thunbergii</i>          |

|  |                                    |
|--|------------------------------------|
| <input type="checkbox"/> Bayberry                                | <i>Morella pensylvanica</i>        |
| <input type="checkbox"/> Bittersweet, American                   | <i>Celastrus scandens</i>          |
| <input type="checkbox"/> Bittersweet, Asiatic or<br>Oriental - I | <i>Celastrus orbiculatus</i>       |
| <input type="checkbox"/> Blackberry, Common                      | <i>Rubus allegheniensis</i>        |
| <input type="checkbox"/> Blackhaw, Smooth                        | <i>Viburnum prunifolium</i>        |
| <input type="checkbox"/> Blueberry, Highbush                     | <i>Vaccinium corymbosum</i>        |
| <input type="checkbox"/> Blueberry, Southern Low                 | <i>Vaccinium angustifolium</i>     |
| <input type="checkbox"/> Creeper, Virginia                       | <i>Parthenocissus quinquefolia</i> |
| <input type="checkbox"/> Deerberry                               | <i>Vaccinium stamineum</i>         |
| <input type="checkbox"/> Dewberry, Creeping                      | <i>Rubus hispida</i>               |
| <input type="checkbox"/> Forsythea*                              | <i>Forsythia spp.</i>              |
| <input type="checkbox"/> Grape, Fox                              | <i>Vitis labrusca</i>              |
| <input type="checkbox"/> Grape, Summer                           | <i>Vitis aestivalis</i>            |
| <input type="checkbox"/> Greenbrier, Common                      | <i>Smilax rotundifolia</i>         |
| <input type="checkbox"/> Hawthorn, Washington*                   | <i>Crataegus phaenopyrum</i>       |
| <input type="checkbox"/> Honeysuckle, Japanese                   | <i>Lonicera japonica</i>           |
| <input type="checkbox"/> Honeysuckle, Tartarian - I              | <i>Lonicera tatarica</i>           |
| <input type="checkbox"/> Huckleberry, Blue or<br>Dangleberry     | <i>Gaylussacia frondosa</i>        |
| <input type="checkbox"/> Ivy, English - I                        | <i>Hedera helix</i>                |
| <input type="checkbox"/> Ivy, Poison                             | <i>Toxicodendron radicans</i>      |
| <input type="checkbox"/> Laurel, Mountain                        | <i>Kalmia latifolia</i>            |
| <input type="checkbox"/> Lespedeza, Bicolor*                     | <i>Lespedeza bicolor</i>           |
| <input type="checkbox"/> Lespedeza, Sericea - I                  | <i>Lespedeza cuneata</i>           |
| <input type="checkbox"/> Lilac*                                  | <i>Ceanothus spp.</i>              |
| <input type="checkbox"/> Mountain Laurel                         | <i>Kalmia latifolia</i>            |
| <input type="checkbox"/> Northern Baberry                        | <i>Myrica pensylvanica</i>         |
| <input type="checkbox"/> Photinia, Oriental - I                  | <i>Photinia villosa</i>            |
| <input type="checkbox"/> Privet, Regal - I                       | <i>Ligustrum obtusifolium</i>      |
| <input type="checkbox"/> Raspberry, Flowering                    | <i>Rubus odoratus</i>              |
| <input type="checkbox"/> Raspberry, Wild or<br>American Red      | <i>Rubus idaeus</i>                |
| <input type="checkbox"/> Rhododendron, Great                     | <i>Rhododendron maximum</i>        |
| <input type="checkbox"/> Rose, Multiflora - I                    | <i>Rosa multiflora</i>             |
| <input type="checkbox"/> Rose, Wild*                             | <i>Rosa acicularis</i>             |
| <input type="checkbox"/> Sweetfern                               | <i>Comptonia peregrina</i>         |
| <input type="checkbox"/> Viburnum, Linden - I                    | <i>Viburnum dilatatum</i>          |
| <input type="checkbox"/> Viburnum, Maple-leaf                    | <i>Viburnum acerifolium</i>        |
| <input type="checkbox"/> Viburnum, Nannyberry*                   | <i>Viburnum lentago</i>            |
| <input type="checkbox"/> Viburnum, Siebold's - I                 | <i>Viburnum sieboldii</i>          |
| <input type="checkbox"/> Wineberry - I                           | <i>Rubus phoenicolasius</i>        |
| <input type="checkbox"/> Wisteria, American - I                  | <i>Wisteria frutescens</i>         |