

Scientific Name	Common Name	Indicator <sup>1</sup>	Light	Inundation	Salt Tolerance
<b>Perennials and Grasses Appropriate for Bioretention</b>					
<i>Aletris farinosa</i>	White Colicroot	FAC	Sun	Moist Soils	None
<i>Andropogon gerardii</i>	Big Bluestem	FAC	Sun	No	Moderate
<i>Athyrium filix-femina</i>	Lady Fern	FAC	Sun/Part Shade	Moist to Wet Soils	None
<i>Chasmanthium latifolium</i>	River Oats	FAC	Part Shade/Shade	Moist Soils	None
<i>Conoclinium coelestinum</i>	Blue Mistflower	FAC	Sun/Part Shade	Moist to Wet Soils	None
<i>Eupatorium fistulosum</i>	Joe Pye Weed	FACW	Sun	Moist to Wet Soils	None
<i>Helianthus angustifolius</i>	Swamp Sunflower Narrowleaf Sunflower	FACW	Sun/Part Shade	Wet Soils	None
<i>Liatris spicata</i>	Gayfeather Blazing Star	FAC	Sun/Part Shade	Moist Soils	Low
<i>Lobelia cardinalis</i>	Cardinal Flower	FACW	Sun/Shade	Moist to Wet Soils	None
<i>Onoclea sensibilis</i>	Sensitive Fern	FACW	Part Shade/Shade	Moist to Wet Soils	None
<i>Osmunda cinnamomea</i>	Cinnamon Fern	FACW	Part Shade/Shade	Moist to Wet Soils	Low
<i>Panicum virgatum</i>	Switch Grass	FAC	Sun/Part Shade	Moist Soils	Moderate
<i>Physostegia virginiana</i>	Obedient Plant	FACW	Sun	Moist Soils	None
<i>Rhynchospora colorata</i>	Starrush Whitetop	FACW	Sun/Part Shade	Saturated	None
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU	Sun/Part Shade	Moist Soils	None
<i>Solidago sempervirens</i>	Seaside Goldenrod	FACW	Sun/Part Shade	Yes	High
<i>Sorghastrum nutans</i>	Indiangrass	FACU	Sun/Part Shade	Moist Soils	Moderate
<i>Spartina bakeri</i>	Sand cordgrass	FACW	Sun	Moist to Wet Soils	Fresh - Saline
<i>Spartina patens</i>	Saltmeadow Cordgrass	FACW	Sun	Wet soils	High
<i>Tradescantia virginiana</i>	Virginia Spiderwort	FAC	Sun/Part Shade	Moist Soils	None
<i>Vernonia noveboracensis</i>	Ironweed	FACW	Sun	Moist Soils	None
<b>Shrubs Appropriate for Bioretention</b>					
<i>Baccharis halimifolia</i>	Groundsel Tree Salt Myrtle	FAC	Sun/Part Shade	Wet soils	High
<i>Callicarpa americana</i>	Beautyberry	FACU	Sun/Shade	Moist Soils	None
<i>Clethra alnifolia</i>	Summersweet Sweet Pepperbush	FACW	Sun/Shade	Moist to Wet Soils	None
<i>Cynilla racemiflora</i>	Swamp Titi	FACW	Sun/Part Shade	Moist to Wet Soils	Low
<i>Hamamelis virginiana</i>	Witch Hazel	FACU	Sun/Shade	Moist to Wet Soils	None
<i>Ilex glabra</i>	Inkberry	FACW	Sun/Shade	Wet Soils, Flood Tolerant	Moderate
<i>Ilex verticillata</i>	Winterberry Holly	FACW	Sun/Part Shade	Moist to Wet Soils	None
<i>Ilex vomitoria</i>	Yaupon Holly	FAC	Sun/Part Shade	Moist Soils	Moderate
<i>Itea virginica</i>	Virginia Sweetspire	FACW	Sun/Shade	Moist to Wet Soils	None
<i>Lindera benzoin</i>	Spicebush	FACW	Part Shade/Shade	Seasonal Flooding	None
<i>Myrica cerifera</i>	Wax Myrtle	FAC	Sun/Part Shade	Moist to Wet Soils	Moderate
<i>Photinia pyrifolia (Aronia arbutifolia)</i>	Red Chokeberry	FACW	Sun/Part Shade	Moist Soils	Low
<i>Rhododendron canadense</i>	Dwarf Azalea	FACW	Part Shade	Moist Soils	None
<i>Rosa carolina</i>	Carolina Rose	FACU	Sun	Moist to Wet Soils	Moderate
<i>Sabal minor</i>	Dwarf Palmetto	FACW	Sun/Part Shade	Moist to Wet Soils	None
<i>Sambucus canadensis</i>	Elderberry	FACW	Sun/Part Shade	Moist to Wet Soils	None
<i>Serenoa repens</i>	Saw Palmetto	FACU	Sun	Occasionally Wet	None
<i>Vaccinium corymbosum</i>	Highbush Blueberry	FACW	Sun/Part Shade/Shade	Wet Soil	High
<i>Viburnum dentatum</i>	Arrowwood	FAC	Sun/Part Shade/Shade	Moist to Wet Soils	None
<b>Trees Appropriate for Bioretention<sup>2</sup></b>					
<i>Acer rubrum</i>	Red Maple	FAC	Sun/Part Shade	Seasonal Flooding	None
<i>Betula nigra</i>	River Birch	FACW	Sun/Shade	Moist Soils	None
<i>Carpinus caroliniana</i>	American Hornbeam	FAC	Sun/Shade	Periodic Flooding	None
<i>Celtis occidentalis</i>	Hackberry	FACU	Sun/Part Shade/Shade	Moist Soils	Low
<i>Chionanthus virginicus</i>	Fringetree	FACU	Sun/Shade	Moist Soils	None
<i>Cornus florida</i>	Flowering Dogwood	FACU	Sun/Shade	Moist Soils	None
<i>Diospyros virginiana</i>	Persimmon	FAC	Sun	Variable Moisture	Low
<i>Gordonia lasianthus</i>	Loblolly Bay	FACW	Sun/Shade	Moist Soils	None
<i>Ilex cassine</i>	Dahoon Holly	FACW	Sun/Part Shade	Moist Soils	Low
<i>Ilex opaca</i>	American Holly	FAC	Sun/Shade	Wet Soils	Moderate
<i>Juniperus virginiana</i>	Eastern Red Cedar	FACU	Sun/Part Shade	Moist Soils	Low
<i>Liquidambar styraciflua</i>	Sweetgum	FAC	Sun/Part Shade	Moist Soils	None
<i>Liriodendron tulipifera</i>	Tulip Tree	FAC	Sun/Part Shade	Moist Soils	Low
<i>Magnolia virginiana</i>	Sweetbay Magnolia	FACW	Sun/Part Shade	Moist Soils	None
<i>Nyssa sylvatica</i>	Black Gum, Black Tupelo	FAC	Sun/Part Shade	Moist Soils, Seasonal Flooding	Moderate
<i>Platanus occidentalis</i>	American Sycamore	FACW	Sun/Part Shade	Saturated Soils, Seasonal Flooding	None
<i>Quercus michauxii</i>	Swamp Chestnut Oak	FACW	Sun/Part Shade	Moist Soils	None
<i>Quercus nuttallii</i>	Nuttall Oak	FACW	Sun	Extended flooding	None
<i>Quercus pagoda</i>	Cherrybark Oak	FACW	Sun	Moist, Well Drained Soils	None
<i>Quercus phellos</i>	Willow Oak	FACW	Sun	Moist Soils	None
<i>Quercus shumardii</i>	Shumard Oak	FAC	Sun/Part Shade	Short term Flooding	None
<i>Sassafras albidum</i>	Sassafras	FACU	Sun/Part Shade	Moist Soils	None
<i>Ulmus americana</i>	American Elm	FAC	Sun/Part Shade	Moist Soils	Low

<sup>1</sup>Wetland Indicator Status (USACE, 2010):

- ◆ FACW (Facultative Wetland) usually a hydrophyte, but occasionally found in uplands (occurs in wetlands 67-99% of the time)
- ◆ FAC (Facultative) commonly occurs either as a hydrophyte or a non-hydrophyte (occurs in wetlands 33-67% of the time)
- ◆ FACU (Facultative Upland) occasionally is a hydrophyte, but usually occurs in uplands (occurs in wetlands 1-33% of the time)

<sup>2</sup>Consider characteristics of trees – such as mature height & spread, aggressive root structures, knee development, etc. – in order to select the species most appropriate for the site. All these species will tolerate some degree of flooding; however, make sure that other site constraints (outfall structures, berms, utilities, hardscapes, etc.) will not be negatively impacted as a specimen grows and matures.