

TREES FOR GREEN INFRASTRUCTURE

Scientific Name	Common Name	Plant Type	Origin		Ecology		GI Type					Water			Sun			Size		Urban Size
			Native	Exotic	Naturalized	Invasive	Bioretention Cell	Bioswales	Stormwater Planters	Tree Cells	Retention Basin	Detention Areas	Upper Riparian	Middle Riparian	Lower Riparian	Full Sun	Partial Shade	Shade	Height	Spread
Large Trees: > 40'																				
<i>Acer rubrum</i> var. <i>drummondii</i>	Swamp Red Maple	deciduous tree	•				•	•		•		•	•	•	•	•		60'	40'	30'
<i>Liquidambar styraciflua</i>	American Sweet Gum	deciduous tree	•				•	•		•		•	•		•			50'	30'	30'
<i>Nyssa aquatica</i>	Water Tupelo	deciduous tree	•				•	•		•	•			•	•			50'	30'	30'
<i>Nyssa sylvatica</i>	Black Gum	deciduous tree	•				•	•		•		•	•	•	•			60'	30'	40'
<i>Pinus elliotii</i>	Slash Pine	evergreen tree	•				•	•		•	•	•		•				100'	60'	40'
<i>Pinus glabra</i>	Spruce Pine	evergreen tree	•				•	•		•	•	•	•	•	•			75'	40'	40'
<i>Platanus occidentalis</i>	Sycamore	deciduous tree	•				•	•		•								100'	60'	50'
<i>Quercus lyrata</i>	Overcup Oak	deciduous tree	•				•	•		•	•	•		•				80'	100'	35'
<i>Quercus michauxii</i>	Swamp Chestnut Oak	deciduous tree	•				•	•		•	•	•	•	•				60'	40'	40'
<i>Quercus nuttallii</i>	Nuttall Oak	deciduous tree	•				•	•		•	•	•		•				40'	25'	30'
<i>Quercus phellos</i>	Willow Oak	deciduous tree	•				•	•		•	•	•	•	•				60'	40'	25'
<i>Quercus virginiana</i>	Southern Live Oak	evergreen tree	•				•			•	•	•	•	•				50'	75'	40'
<i>Taxodium distichum</i>	Bald Cypress	deciduous tree	•				•	•		•	•	•	•	•				100'	60'	50'
<i>Taxodium distichum</i> var. <i>nutans</i>	Pond Cypress	deciduous tree	•				•	•		•	•	•	•	•				80'	20'	40'
<i>Ulmus alata</i>	Winged Elm	deciduous tree	•				•	•		•	•			•	•			50'	30'	40'
<i>Ulmus americana</i>	American Elm	deciduous tree	•				•	•		•	•	•		•				60'	40'	40'
Medium Trees: 40' - 25'																				
<i>Betula nigra</i>	River Birch	deciduous tree	•				•	•		•	•	•		•	•			30'	20'	25'
<i>Carpinus caroliniana</i>	American Hornbeam	deciduous tree	•				•	•		•				•	•			40'	20'	25'
<i>Cyrilla racemiflora</i>	Swamp Titi	deciduous tree	•				•	•		•	•	•	•	•	•			25'	15'	20'
<i>Ilex cassine</i>	Dahoon Holly	evergreen tree	•				•			•	•	•	•	•	•			30'	12'	20'
<i>Ilex vomitoria</i>	Yaupon Holly	evergreen tree	•				•	•		•	•	•	•	•	•			25'	15'	20'
<i>Magnolia virginiana</i>	Sweetbay Magnolia	semi-evergreen tree	•				•	•		•	•	•		•	•			30'	20'	25'
<i>Prunus caroliniana</i>	Cherry Laurel	evergreen tree	•				•	•		•	•			•	•			25'	15'	15'
Small Trees: < 25'																				
<i>Cercis canadensis</i>	Eastern Redbud	deciduous tree	•				•	•		•	•				•	•		20'	15'	15'
<i>Chionanthus virginicus</i>	White Fringe Tree	deciduous tree	•				•			•				•	•			20'	12'	15'
<i>Crataegus opaca</i>	Mayhaw	deciduous tree	•				•	•			•	•		•	•			20'	20'	10'
<i>Crataegus marshalli</i>	Parsley Hawthorn	deciduous tree	•				•			•	•			•	•			20'	15'	10'
<i>Ilex x attenuata</i> 'Fosteri'	Foster's Holly	evergreen tree	•				•	•	•	•				•	•			20'	12'	20'
<i>Ilex x attenuata</i> 'Savannah'	Savannah Holly	evergreen tree	•				•	•		•	•			•				20'	10'	20'

Plant material selection for green infrastructure interventions is not restricted to this list. Plants should be selected based on specific site conditions, maintainability, and facility expectations.

SHRUBS FOR GREEN INFRASTRUCTURE

Scientific Name	Common Name	Plant Type	Origin		Ecology		GI Type						Water			Sun			Size	
			Native	Exotic	Naturalized	Invasive	Bioretention Cell	Bioswales	Stormwater Planters	Tree Cells	Retention Basin	Detention Areas	Upper Riparian	Middle Riparian	Lower Riparian	Full Sun	Partial Shade	Shade	Height	Spread
Large Shrubs: > 10'																				
<i>Ilex decidua</i>	Possum Haw	deciduous shrub	•				•	•		•			•		•	•		12'	8'	
<i>Myrica cerifera</i>	Southern Wax Myrtle	evergreen shrub	•				•	•					•	•				10'	8'	
<i>Rhododendron canescens</i>	Native Azalea	deciduous shrub	•				•						•	•	•			10'	5'	
<i>Viburnum nudum</i>	Swamp Viburnum	deciduous shrub	•				•						•	•				12'	12'	
Medium Shrubs: 5' - 10'																				
<i>Callicarpa americana</i>	American Beautyberry	deciduous shrub	•					•					•	•				6'	6'	
<i>Canna flaccida</i>	Golden Canna	perennial	•				•	•	•		•	•		•				5'	2'	
<i>Canna glauca</i>	Water Canna	perennial	•				•	•	•		•	•		•				6'	2'	
<i>Cephalanthus occidentalis</i>	Buttonbush	deciduous shrub	•								•		•	•	•	•		8'	10'	
<i>Hibiscus coccineus</i>	Native Red Hibiscus	deciduous shrub	•				•	•	•		•		•	•	•	•		6'	5'	
<i>Hibiscus militaris</i>	Soldier Mallow	deciduous shrub	•				•	•	•		•		•	•	•	•		5'	4'	
<i>Illicium floridanum</i>	Florida Anise	evergreen shrub	•				•	•	•		•	•		•	•			10'	8'	
<i>Iris giganticaerulea</i>	Giant Blue Iris	perennial	•				•	•	•		•	•		•				6'	1'	
<i>Itea virginica</i>	Virginia Sweetspire	deciduous shrub	•				•	•	•		•		•	•				6'	4'	
<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	Red Turkscap	deciduous shrub	•				•	•	•		•	•		•	•			6'	3'	
<i>Osmunda regalis</i>	Royal Fern	fern	•				•	•			•		•	•				5'	3'	
<i>Panicum virgatum</i>	Switch Grass	grass	•				•	•			•	•		•	•			6'	2'	
<i>Sabal minor</i>	Dwarf Palmetto	evergreen shrub	•				•	•	•		•	•		•	•	•		8'	5'	
<i>Solidago altissima</i>	Goldenrod	perennial	•				•	•	•		•	•		•				5'	2'	
<i>Solidago rugosa</i>	Rough Goldenrod	perennial	•				•	•	•		•		•	•	•			5'	2'	
<i>Solidago rugosa</i> 'Fireworks'	Dwarf Rough Goldenrod	perennial	•				•	•	•		•		•	•	•			5'	2'	
<i>Sorghastrum nutans</i>	Indian Grass	grass	•				•	•	•		•	•		•	•	•		5'	2'	
<i>Spartina bakerii</i>	Smooth Cordgrass	perennial	•				•	•	•				•	•				6'	1'	
Small Shrubs: 1' -4"																				
<i>Amsonia</i> 'Blue Ice'	Blue Ice Bluestar	perennial	•				•	•	•		•	•	•		•			2'	2'	
<i>Asclepias incarnata</i>	Swamp Milkweed	perennial	•				•	•	•		•	•	•		•			3'	2'	
<i>Asclepias perennis</i>	Aquatic Milkweed	perennial	•				•	•	•		•	•	•		•			2'	2'	
<i>Chasmanthium latifolium</i>	River Oats	grass	•				•	•	•		•	•	•		•	•		2'	2'	
<i>Crinum americanum</i>	American Crinum Lily	perennial	•				•	•	•		•	•	•	•	•			3'	3'	
<i>Dietes bicolor</i>	Fortnight Lily	perennial		•	•		•	•	•		•	•	•	•	•			30"	1'	
<i>Dietes grandiflora</i>	African Iris	perennial		•	•		•	•	•		•	•	•	•	•			4'	2'	
<i>Dietes</i> x 'Nola Alba'	Katrina Bi-Color Iris	perennial		•	•		•	•	•		•	•	•	•	•			3'	4'	
<i>Dracopis amplexicaulis</i>	Clasping Coneflower	perennial	•				•	•			•	•		•				2'	2'	
<i>Eryngium yuccifolium</i>	Rattlesnake Master	perennial	•				•	•			•	•		•				4'	2'	
<i>Glandularia bipinnatifida</i>	Prairie Verbena	perennial	•				•	•			•			•				1'	1'	
<i>Helianthus angustifolius</i>	Swamp Sunflower	perennial	•				•	•	•		•	•		•				3'	1'	
<i>Hymenocallis liriosme</i>	Swamp Lily/Spider Lily	perennial	•				•	•	•		•	•		•				2'	2'	
<i>Iris brevicaulis</i>	Zig Zag Iris	perennial	•				•	•	•		•		•	•	•			2'	1'	
<i>Iris fulva</i>	Copper Iris	perennial	•				•	•	•		•		•	•	•			3'	1'	
<i>Iris hexagona</i>	Dixie Iris	perennial	•				•	•	•		•	•		•	•			4'	2'	
<i>Iris virginica</i>	Southern Blue Flag Iris	perennial	•				•	•	•		•	•		•	•			4'	2'	
<i>Juncus effusus</i>	Soft Rush	sedge	•				•	•	•		•	•		•				2'	1'	
<i>Juncus</i> x Blue Dart	Blue Dart Rush	sedge	•				•	•	•		•	•		•	•			1.5'	1'	

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			Native	Exotic	Naturalized	Invasive	Bioretention Cell	Bioswales	Stormwater Planters	Tree Cells	Retention Basin	Detention Areas	Upper Riparian	Middle Riparian	Lower Riparian	Full Sun	Partial Shade	Shade	Height	Spread	
<i>Liriope muscari</i>	Liriope	groundcover		•	•		•	•	•	•				•	•			•	•	6"	2'
<i>Lobelia cardinalis</i>	Cardinal Flower	perennial	•				•	•	•				•	•				•		3'	1'
<i>Lobelia siphilitica</i>	Blue Cardinal Flower	perennial	•				•	•	•				•	•				•		3'	1'
<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	grass	•				•	•	•				•					•	•	3'	3'
<i>Osmunda cinnamomea</i>	Cinnamon Fern	fern	•				•	•	•				•		•			•	•	3'	5'
<i>Penstemon tenuis</i>	Gulf Coast Penstemon	perennial	•				•	•	•				•	•				•	•	2'	1'
<i>Phlox divaricata</i>	Louisiana Phlox	perennial	•				•	•	•				•		•			•	•	1'	1'
<i>Physostegia virginiana</i>	Fall Obedient Plant	perennial	•				•	•	•				•	•				•	•	4'	3'
<i>Pontederia cordata</i>	Pickereel Weed	perennial	•										•					•		4'	2'
<i>Rudbeckia maxima</i>	Coneflower	perennial	•				•	•	•				•	•				•		3'	1'
<i>Rudbeckia subtomentosa</i>	Sweet coneflower	perennial	•				•	•	•				•	•				•		3'	2'
<i>Sagittaria latifolia</i>	Arrowhead	perennial	•						•						•			•	•	3'	2'
<i>Saururus cernuus</i>	Lizard's Tail	perennial	•						•						•			•	•	4'	2'
<i>Schizachyrium scoparium</i>	Little Bluestem	grass	•				•	•	•				•	•				•		2'	1'
<i>Sisyrinchium x species 'Suwannee'</i>	Blue-eyed Grass	perennial	•				•	•	•				•		•			•	•	2'	1'
<i>Stokesia laevis</i>	Stokes Aster	perennial	•				•	•	•				•	•				•	•	1'	1'
<i>Thelypteris kunthii</i>	Wood Fern	fern	•				•	•	•				•	•				•	•	3'	3'

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GROUND COVERS FOR GI	Scientific Name	Common Name	Plant Type	Origin		Ecology		GI Type				Water			Sun			Size				
				Native	Exotic	Naturalized	Invasive	Bioretention Cell	Bioswales	Stormwater Planters	Tree Cells	Retention Basins	Detention Areas	Upper Riparian	Middle Riparian	Lower Riparian	Full Sun	Partial Shade	Shade	Height	Spread	
	Groundcovers																					
	<i>Cynodon dactylon</i> 'Celebration'	Celebration Bermuda Grass	turf grass		•					•				•				•			2"	
	<i>Carex texensis</i>	Texas Sedge	perennial	•					•	•	•		•	•				•	•		12"	
	<i>Oenothera speciosa</i>	Primrose	perennial	•					•				•	•				•	•		10"	
	<i>Phyla nodiflora</i>	Turkey Tangle Frogfruit	perennial	•					•	•	•		•	•				•			6"	
	<i>Stenotaphrum secundatum</i>	St. Augustine Turf Grass	turf grass		•					•			•	•				•	•		2"	

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