Latin Name	Common Name	Submerged & Emergent (water depth in feet)	Pond Edge & Permanent Water	Over sand	Lower slopes & bioretention base	Upper slopes	Height (feet)	Spacing (feet)	Seasonal Interest - Color and Months	J	F	M	A	M	J	J	A	S	O	N	D	Sun	Pt Sun	Pt Shade	Shade	Dry	Medium	Wet	Birds	Butterflies	Fall Color	Winter interest	Flood frequency tolerance	Flood height tolerance	Flood duration tolerance (days)	Salt tolerance	Aggressiveness	Silt tolerance
Grasses/Sedges																																							
Carex annectans	Yellow fruited sedge		x		x		2-3	1.5	tan				x	x	x							x	x	x		x	x	x			x	H	12	3		L	
Carex albicans	Oak sedge				x	x	10"	1	vergree	x		x	x						x	x	x	x	x	x	x	x					x	M	12	1		L	
Carex eburnea	Bristle-leaf sedge					x			evergree	x		x	x						x	x	x			x	x	x					x	L				L	
Carex grayii	Bur sedge		x		x		1-2	1.5	vergree	x			x	x	x				x	x	x		x	x	x		x	x	x			M	12	2		L	M
Carex muskingumensis	Palm sedge		x	x	x		2-3	1.5	t. yellow	x			x	x	x				x	x	x	x	x	x	x		x	x	x		x	H	24	3		M	M
Juncus effusus	Soft rush	0-1	x				2-3	1.5	vergreen										x	x	x	x	x				x	x	x		x	H	24	4	L	M	M
Schizachyrium scoparium	Little bluestem			x		x	2-3	1.5	bronze	x	x							x	x	x	x	x				x	x		x		x	L	12	1	M	L	L
Sporobolus heterolepis	Prairie dropseed				x	x	2-3	1.5	yellow									x	x	x	x	x				x	x		x			L				L	
Forbs																																							
Amsonia illustris**	Shining bluestar		x	x	x		2-3	2.5	lt. blue				x	x								x	x	x		x	x	x		x	x		H	36	5		L	H
Aster oblongifolius	Aromatic aster					x	2	1.5	av. Blue									x	x			x	x			x	x		x		x		L				M	L
Asclepias tuberosa	Butterfly milkweed			x		x	1-2	1.5	orange						x	x	x					x				x	x			x			L			V	M	
Baptisia sphaerocarpa	Yellow wild indigo					x	2	2	yellow				x	x								x	x			x	x					x	L				L	
Chelone obliqua	Rose turtlehead		x		x		3-4	2	ose/purple								x	x	x			x	x	x	x		x	x				M	12	1		M	
Coreopsis palmata	Finger coreopsis			x		x	2	1	yellow					x	x							x	x			x	x			x			L				L	
Echinacea purpurea	Purple coneflower					x	2-3	1.5	t. purple						x	x	x						x	x	x	x	x		x	x			L				L	
Heuchera americana	American alumroot					x	1	1.5	cream					x	x							x	x	x		x	x			x			L				L	
Heuchera parviflora	Late-flowering alumroot					x	1	1.5	white										x	x			x	x	x	x	x			x			L				L	
Heuchera richardsonii	Prairie alumroot				x	x	1	1.5	cream					x	x							x	x	x	x	x	x	x		x			M	12	1		L	
Heuchera villosa	Maple-leaf alumroot					x	1	1.5	white										x	x			x	x	x	x	x			x			L				L	
Hibiscus lasiocarpos**	Rose mallow		x	x	x		3-7	2.5	white/pink							x	x	x	x			x	x	x			x	x		x	x		H	36	5		M	M
Iris cristata	Dwarf crested iris					x	1	1	Violet			x	x										x	x	x	x				x			L				L	
Iris fulva	Copper iris		x	x	x		2-3	1.5	copper					x	x							x	x				x	x	x				M	12	1		M	
Liatris spicata	Dense blazingstar			x	x	x	2-3	1.5	5lavender						x	x						x	x			x	x	x	x	x			M	12	1		L	
Lobelia cardinalis*	Cardinal flower		x	x	x		2-3	1.5	red							x	x	x				x	x	x	x		x	x	x				H	18	5	L	M	U
Lobelia siphilitica	Blue lobelia		x		x	x	1-2	1.5	blue								x	x				x	x			x	x	x		x			H	24	3		L	H
Parthenium hispidim	American feverfew					x	1-2	1.5	white				x	x	x							x	x			x	x			x			L				M	
Pycnanthemum tenuifolium	Slender mountain mint			x	x	x	2	1.5	white						x	x	x					x	x			x	x			x			L				L	
Rudbeckia fulgida	Orange coneflower		x	x	x		2	1.5	yellow							x	x						x	x	x		x	x	x		x	H	24	3		M	
Sedum ternatum	Woodland stonecrop					x	6"	1	hite/evrg	x				x	x				x	x	x			x	x	x	x					x	L				L	
Solidago flexicaulis	Zig-zag goldenrod				x	x	2	1.5	yellow									x	x				x	x	x	x	x			x			L				L	
Spigelia marylandica	Indian pink				x	x	1-2	1.5	red/yel					x	x	x								x	x	x	x		x				L				L	
Trees/Shrubs																																							
Aesculus pavia	Red buckeye		x		x		10-20	15	red			x	x									x	x	x		x	x	x				H	24	2		L	M
Aronia melanocarpa**	Black chokeberry				x	x	5-7	5	white				x	x					x	x			x	x	x	x	x	x		x	x	M	12	2		L	
Betula nigra*	River birch		x		x	x	30-40	15-20	cream			x	x									x	x	x	x	x	x	x			x	H	36	5		H	H
Calicarpa americana	Beautyberry					x	3-5	4-6	pink/pur					x	x				x	x	x		x	x	x	x				x		L				L	
Carpinus caroliniana	Musclewood				x	x	15-20	20	yellow		x	x	x						x	x	x	x	x	x		x	x				x	x	M	6	1		L	
Cercis canadensis	Redbud			x	x	x	10-20	15	pink				x	x								x	x	x		x	x						L			L	M	L
Chionanthus virginicus	Fringetree					x	10-15	10	white					x	x				x	x		x	x			x	x		x		x		L				L	
Cornus alternifolia	Pagoda dogwood					x	10-15	10	white					x	x				x	x		x	x	x	x	x	x		x		x	x	L				L	
Cornus florida	Flowering dogwood					x	10-15	10	white				x	x	x				x	x			x	x	x	x	x		x		x	x	L				L	
Crataegis viridis	Green hawthorne		x		x	x	15-20	15	white					x	x				x	x		x	x			x	x	x	x		x	x	M	12	1		L	M
Diospyos virginiana	Persimmon			x	x	x	30-40	20	orange					x	x				x	x	x	x	x	x		x	x		x		x	x	M	12	1		M	M
Dirca palustrus	Leatherwood					x	5-7	5	lt. yel				x	x									x	x	x	x	x				x	x	L				L	
Hamamelus virginiana	Eastern witchazel		x		x	x	10-15	15	yellow										x	x	x		x	x	x	x	x				x	x	L			L	L	
Hydrangea arborescens	Wild Hydrangea				x	x	5-7	5	white						x	x	x	x	x	x		x	x	x	x	x	x		x	x	x	x	L			L	L	L
Ilex verticillata	Winterberry holly		x	x	x		5-10	10	red					x	x				x	x	x	x	x	x		x	x	x			x	x	H	12	3		L	M
Neviusia alabamense** ***	Alabama snowreath				x	x	8-10	7	white					x	x								x	x			x	x				x	M				M	
Nyssa sylvatica	Black gum			x	x		40-50	25	white					x	x				x	x		x	x	x		x	x		x		x	x	L			H	L	
Quercus bicolor	Swamp white oak		x		x	x	40-50	25	white					x	x							x	x	x	x	x	x	x		x		x	H	24	3		H	
Quercus muehlenbergii	Chinquapin oak				x	x	40-50	35	white					x	x							x	x	x	x	x	x					x	L			H	L	L
Quercus phellos	Willow oak		x		x	x	40-50	25	white					x	x							x	x	x			x	x	x	x		x	M	24	3		L	
Quercus shumardi	Shumard oak						40-50	25	white					x	x							x	x	x		x	x		x			x	L				L	
Ribes odoratum	Golden current					x	5-7	5	yellow				x	x	x							x	x	x		x	x		x				L				L	
Taxodium disticum	Bald cypress	x	x	x	x		40-60	20	orange										x	x		x	x	x			x	x			x	x	H	36	7		L	H
Tilia americana	American linden		x		x	x	50-60	30	cream					x	x							x	x	x	x		x	x	x	x		x	H	36	7		M	H

Requirements

Local Ecotype Rule: Plants of Missouri or Southern Illinois ecotype are required.

It is recommended that a minimum of 5 grass/sedge species and 8 forb species be provided for each BMP. Deviation to this is acceptable for aesthetic variation if desired for more formal planting areas.

Refer to Planting, Water, and Mulch Requirements for Stormwater BMP's for plant sizes and irrigation requirements

Biodegradable erosion blanket must be used on slopes greater than 10%.

Erosion blankets must be coarse to allow varying leaf sizes (examples include Geojute, Curlex #1 and NorthAmerican Green S75 single net straw blanket, or equivalent)

This plant list was created for more formal garden areas. Plants selections based on: 3-4 season interest (foliage, flowers, fruits), long-lived (exceptions*), compact habit (exceptions**), readily available from nurseries (exceptions***)