Mississippi Native Plants

Large Trees

Common Name	Scientific Name	Height	Width	Light	Water Depth	Salt Toler- ance	Seasonal Interest	Infiltration Practices (basins, trenches, dry wells)	Grassed Swales, Veg- etated Filter Strips	Tree Trenches	Bioretention, Stormwater Planter, Rain Garden, Curb Extension	
Red maple	Acer rubrum	40' - 70'	30' - 50'	sun to part shade	0"	no	spring seeds, fall color			х	x	х
Florida maple	Acer saccharum (subsp. floridanum)	40' - 120'	30'-60'	sun to part shade	0"	no	bright fall color			х		x
River birch	Betula nigra	40' - 70'	40'-60'	sun to part shade	0"	no	bark texture; birds				x	x
Sugarberry, Hackberry	Celtis laevigata	60' - 80'	60'-80'	sun to part shade	0"	no	textured bark; fall color			х		
American holly	llex opaca	40' - 60'	10'-20'	sun to part shade	0"	no	evergreen; pyramidal shape; red berries in winter			х		
Sweetgum	Liquidambar styraciflua	60'-100'	40' - 50'	sun to part shade	0"	no	bright fall foliage; showy seed pods (balls)			х		х
Tulip tree	Liriodendron tulipifera	60' - 90'	30' - 50'	sun	0"	no	spring flowers, pollinator			х		
Southern magnolia	Magnolia grandiflora	60' - 80'	30' - 50'	sun to part shade	0"	no	large white flowers; evergreen leaves			х		х
Tupelo-gum	Nyssa aquatica	60' - 100'	25' - 50'	sun to part shade	0' - 1'	no	honeybees					x
Swamp tupelo	Nyssa biflora	60' - 100'	20'-40'	sun to part shade	0' - 1'	no	fall color; blue fruits; birds/pollinators/mammals				x	x
Black gum	Nyssa sylvatica	30' - 50'	20'-30'	sun to part shade	0"	no	fall color			х		x
Slashpine	Pinus elliottii	75' - 100'	30' - 50'	sun to part shade	0"	no	moth host; evergreen needle leaves; cones			х		x
Spruce pine	Pinus glabra	40'-60'	30'	sun	0"	no	moth host; evergreen needle leaves; cones			х		х
Longleaf pine	Pinus palustris	60'-120'	30'-40'	sun	0"	no	very long needles and cones			х		x
Black cherry	Prunus serotina	60' - 80'	30'-60'	sun	0"	no	birds and pollinators			х		
White oak	Quercus alba	50' - 80'	50' - 80'	sun to part shade	0"	no	important wildlife food; bark; shape			х		
Southern red oak	Quercus falcata	50' - 80'	50' - 80'	sun	0"	no	shade tree; fall color			х		
Sand live oak	Quercus geminata	20' - 50'	20'-50'	sun to part shade	0"	yes	forms colony to stabilize banks					x
Swamp chestnut oak	Quercus michauxii	60'- 100'	40'-60'	sun	0"	no	fall color; shade; invertebrate host			х		x
Nuttall oak	Quercus nuttallii	60' - 80'	35'-60'	sun	0"	no	heavy acorn production for wildlife			х		x
Cherrybark oak	Quercus pagoda	90'-130'	30' - 70'	sun to part shade	0"	no	important wildlife host/habitat			х		x
Willowoak	Quercus phellos	40' - 75'	25' - 50'	sun	0"	no	fall color			х		
Live oak	Quercus virginiana	40' - 80'	40' - 100'	sun to part shade	0"	no	evergreen leaves; large spreading tree			х		x
Black willow	Salix nigra	70'- 80'	30'-60'	sun to shade	0"	no	important pollinator host; soil stabilizer			х		х
Cabbage palm	Sabal palmetto	30'-40'	10'-20'	sun	0"	yes	palm-like tree; evergreen fanlike large leaves			х	x	x
Pond cypress	Taxodium ascendens	30' - 70'	15'-20'	sun	0' - 1'	yes	fall leaves; trunk shape; wildlife food					x
Bald cypress	Taxodium distichum	50' - 70'	20'-45'	sun to part shade	0' - 1'	yes	fall leaves; trunk shape; wildlife food			х		х
Winged elm	Ulmus alata	40' - 60'	20'-40'	sun to part shade	0"	no	important pollinator host; bark texture			х	x	
Cedar elm	Ulmus crassifolia	50' - 90'	40'-60'	sun to part shade	0"	yes	seeds; fine textured leaves			х	x	

Small Trees

					Water	Salt Tol-		Infiltration Practices (basins, trenches,	Grassed Swales, Vegetated	Tree		Construct- ed Storm- water Wet-
Common Name	Scientific Name	Height	Width	Light	Depth	erance	Seasonal Interest	dry wells)	Filter Strips	Trenches	Extension	land
Ironwood	Carpinus caroliniana	20'-30'	20'-35'	part shade to shade	0"	no	trunk texture			Х		4
Fringe tree	Chionanthus virginicus	15'-30'	15'-30'	sun to part shade	0"	no	white fragrant blooms; fruit clusters			Х		
							white blooms; unusual seeds; bees; forms thick-					
Buckwheat tree	Cliftonia monophylla	12'-18'	15'	sun	0"	no	ets					x
Pagoda dogwood	Cornus alternifolia	20'-35'	15'	part shade to shade	0"	no	horizontal branching; colorful bark; wildlife food				х	
Swamp dogwood	Cornus foemina	10'-25'	15'	part shade	0"	no	white flower clusters; butterfly host					x
Parsley hawthorne	Crataegus marshallii	10'-25'	15'	part shade	0"	no	attractive flowers/berries; thorns; nesting habitat			х	х	
Mayhaw	Crataegus opaca	15'-30'	15'	part shade	0"	no	showy white flowers; edible fruit			х	х	
Titi	Cyrilla racemiflora	8' - 30'	10'-15'	sun to part shade	0"	no	white fringes of flowers; bees; semi-evergreen			х	х	x
Silverbell	Halesia diptera	15'-30'	15'-25'	sun to part shade	0"	no	white blooms; fall color			х	х	
Witch hazel	Hamamelis virginiana	15'-30'	15'-20'	sun to part shade	0"	no	winter blooms; fragrant; fall color			х		
Dahoon holly, Cassine holly	llex cassine	20'-30'	8' - 15'	part shade	0"	no	evergreen leaves; red fruits			х		x
Sweetbay magnolia	Magnolia virginiana	10'-35'	10'-35'	part shade	0"	no	white flowers; evergreen leaves			х		x
Southern crabapple	Malus angustifolia	25'-30'	15' - 20'	sun to part shade	0"	no	pink flowers; variety of wildlife and pollinators			х		
Wax myrtle	Morella cerifera (Myrica cerifera)	15'-20'	15' - 20'	sun to part shade	0"	no	fragrant evergreen leaves			х	х	x
Red mulberry	Morus rubra	25'-60'	35'-40'	sun to shade	0"	no	edible fruits; birds, mammals; butterflies			х		
American sweet olive	Osmanthus americanus	10'-20'	8' - 15'	part shade	0"	no	fragrant flowers; evergreen leaves			х	х	x
Swamp bay	Persea palustris	15'-30'	15'-20'	sun to part shade	0"	no	fragrant evergreen leaves; butterflies			х	х	x
Cherry laurel	Prunus caroliniana	15'-35'	15'-20'	sun to part shade	0"	no	evergreen leaves			х	х	
Staghorn sumac	Rhus typhina	8' - 25'	8' - 25'	sun	0"	no	fall color; flower spikes; pollinator host		х	х	х	х
Sparkleberry	Vaccinium arboreum	15'-20'	12'-15'	sun to part shade	0"	no	spring flowers; fall color; bark; shape					

Shrubs

Common Name	Scientific Name	Height	Width	Light	Water Depth	Salt Toler- ance	Seasonal Interest	Infiltration Practices (basins, trenches, dry wells)	Grassed Swales, Veg- etated Filter Strips	Tree Trenches	Bioretention, Stormwater Planter, Rain Garden, Curb Extension	Wet Pond, Constructed
Red Buckeye	Aesculus pavia	15'-25'	10'-20'	part shade	0"	no	colorful red flowers; hummingbirds				x	-
Tag Alder	Alnus serrulata	10'-15'	8' - 15'	sun to part shade	0' - 1'	no	roots fix nitrogen; bird habitat; glossy leaves				~	x
Indigo bush	Amorpha fruticosa	4' - 15'	6' - 15'	sun to part shade	0"	no	pinnate leaves; colonizes; purple flowers				x	~
Eastern baccharis	Baccharis halimifolia	5' - 12'	5'-7'	sun to part shade	0"	ves	adaptable plant; cream-colored flower heads	x			x	x
American beautyberry	Callicarpa americana	4'-8'	4'-6'	sun to part shade	0"	no	purple fall berries	x		x	^	
Sweetshrub	Calvcanthus floridus	6' - 12'	6' - 12'	sun to shade	0"	no	showy fragrant red flowers; colonizes	x		^	x	x
Buttonbush	Cephalanthus occidentalis	6' - 12'	4'-8'	sun	0' - 3'	no	butterfly pollinator; red fruits	x			^	x
Summersweet	Clethra alnifolia	3'-8'	4'-6'	sun	0"	no	hummingbird/pollinator flowers	x			x	x
Dwarf huckleberry	Gaylussacia dumosa	1'-2'	1'-3'	sun to part shade	0"	no	white flowers; edible blue berry	~			x	<u>^</u>
Witch alder	Fothergilla major	6' - 10'	5'-9'	sun to part shade	0"	no	flowers; fall color				x	
Salt heliotrope	Heliotropium curassavicum	0.5' - 1'	1'-4'	sun to part shade	0"							
		3' - 12'	3'-12'	shade	0"	yes	white flowers with purple; hummingbirds				x	X
Oakleaf hydrangea	Hydrangea quercifolia	10'-15'	5' - 12'		0"	no	fall color; white flowers	X			x	
Bigleaf gallberry holly	llex coriacea			sun to part shade	-	no	evergreen leaves; honeybees	X				X
Possumhaw	llex decidua	7' - 30'	5' - 12'	sun to part shade	0"	no	orange / red berries in winter; birds	X				X
Winterberry	Ilex verticillata	6' - 12'	6' - 12'	sun to part shade	0"	no	red berries (male pollinator req'd for Ilex sp.)	X				x
Yaupon holly	llex vomitoria	12'-25'	8' - 25'	sun to shade	0"	no	evergreen leaves; red berries; birds	Х		Х		
Star anise	Illicium floridanum	6' - 10'	6' - 10'	part shade	0"	no	showy red flowers; glossy evergreen leaves				х	x
Virginia sweetspire	ltea virginica	3' - 5'	3' - 5'	sun to part shade		no	white blooms; fall color	х				x
Marsh-elder, Jesuit's bark	lva frutescens	3'-4'	3' - 4'	sun	0' - 0.5'	yes	foliage; coastal protection; dunes	х				
Seashore elder	lva imbricata	2' - 3'	4' - 10'	sun	0"	yes	dune stabilization; foliage	х				
Mountain laurel	Kalmia latifolia	6' - 15'	4' - 8'	part shade	0"	no	showy white/red flowers; evergreen leaves; moths				x	x
Leucothoe	Leucothoe axillaris	2'-4'	4' - 6'	part shade	0"	no	clusters of white flowers; glossy evergreen leaves				x	x
Salt matrimony vine, Christmas												
berry	Lycium carolinianum	6' - 8'	3' - 5'	sun	0"	yes	purple flowers; red berries; evergreen				x	
Lyonia, Fetterbush	Lyonia lucida	3'-6'	3' - 6'	part shade	0"	no	fragrant pink flowers				x	x
Florida flame azalea	Rhododendron austrinum	8' - 10'	8' - 10'	part shade	0"	no	spring flowers				x	x
Honeysuckle azalea	Rhododendron canascens	8'	10'	part shade	0"	no	spring flowers				x	x
Hammocksweet azalea	Rhododendron serrulatum	10'-15'	4' - 6'	part shade	0"	no	spring flowers				х	х
Winged sumac	Rhus copallinum	7' - 15'	10' - 20'	sun to part shade	0"	no	fall color; flower spikes; pollinator host		х	х		
Dwarf palmetto	Sabal minor	2' - 10'	4' - 6'	sun to part shade	0"	yes	evergreen fanlike large leaves			х	х	х
Saw palmetto	Serenoa repens	4' - 15'	4' - 6'	sun to part shade	0"	yes	evergreen fanlike large leaves			х	x	x
Snowbell	Styrax americanus	6' - 10'	6' - 10'	sun to part shade	0"	no	white flowers; pollinator host				x	
Elliot's blueberry	Vaccinium elliottii	4' - 6'	4' - 6'	sun to part shade	0"	no	edible berries; white flowers				х	
Arrow-wood viburnum	Viburnum dentatum	5' - 10'	6' - 10'	sun to part shade	0"	no	fall color; spring flower clusters				x	

Forbs/Herbaceous

Common Name	Scientific Name	Height	Width	Light	Water Depth	Salt Toler- ance	Seasonal Interest	Infiltration Practices (basins, trenches, dry wells)	Grassed Swales, Veg- etated Filter Strips	Tree Trenches	Bioretention, Stormwater Planter, Rain Garden, Curb Extension	
Frankik Discount aleman	O	0.51.01		and the stand of state	01.01		land a second all successful as the second					
Frogbit, Blue waterhyssop	Bacopa caroliniana	0.5' - 3'	mat forming	sun to part shade	0'-3'	no	lemon-scented leaves; blue flowers.					X
Cow lily, Spatterdock	Nuphar lutea	0.5' - 2'	3'-6'	sun to part shade	1'-3'	no	yellow flowers; floating leaves.					X
American white water lily	Nymphaea odorata	0.5' - 8'	2' - 20'	sun	0.5' - 3'	no	large white flowers; floating leaves					Х
Floating heart, bananalily	Nymphoides aquatica	0.25' - 0.5'	1'-2'	sun to part shade	1'-2'	no	white flowers; floating leaves					Х
Golden club	Orontium aquaticum	1'-2'	1'-2.5'	sun	0.5' - 1.5'	no	yellow flower spikes					X
Sea oxeye daisy	Borrichia frutescens	3' - 4'	3' - 4'	sun	0"	yes	daisy-like flowers; colonizing				х	
American searocket	Cakile edentula	6" - 20"	1'-2'	sun	0"	yes	edible leaves; purple flowers				х	4
Marsh marigold	Caltha palustris	1'-2'	1' - 1.5'	sun	0.5' - 1'	no	large leaves; large yellow flowers					x
Yellow canna	Cannaflaccida	3'-6'	3'-4'	sun		no	yellow flowers; tropical foliage					х
Partridge pea	Chamaecrista fasciculata	1' - 3'	1'-2'	sun to part shade	0"	no	pinnate leaves; yellow flowers; butterfly host	х	x		х	
Spiderlily	Crinum americanum	2'-4'	1'-2'	sun to part shade	0' - 0.5'	no	showy white flowers; strappy leaves					x
Blanket flower	Gaillardia pulchella	1'-2'	1'	sun to part shade	0"	no	showy orange and yellow flowers		x		x	
Beach sunflower	Helianthus debilis	1'-6'	1' - 3'	sun	0"	no	showy yellow flowers		x		x	
Camphorweed	Heterotheca subaxillaris	5' - 7'	1'-2'	sun	0"	no	yellow daisy-like flowers; pollinators	х	x		x	
Scarlet Rosemallow	Hibiscus coccineus	4' - 7'	1' - 1.5'	sun	0' - 0.5'	no	deep red flowers				x	х
Swamp hibiscus	Hibiscus moscheutos	5' - 7'	2' - 4'	sun to part shade	0' - 0.5'	no	large pink blooms				x	х
Swamp lily	Hymenocallis occidentalis	1' - 2'	1' - 1.5'	sun to part shade	0' - 0.5'	no	showy white flowers				x	х
Beach morning glory	Ipomoea imperati	0.25' - 0.5'	1'-6'	sun	0"	yes	evergreen; white showy blooms		x			
Railroad vine, Bayhops	Ipomoea pes-caprae	0.25' - 0.5'	1'-6'	sun to part shade	0"	yes	evergreen; purple blooms		x			
Louisiana iris	Iris ser. Hexagonae	1'-6'	1'-3'	sun to part shade	0' - 0.5'	no	colorful flowers; strappy foliage				x	x
Blue flag iris	lris virginica	2' - 2.5'	1'-3'	sun to part shade	0' - 0.5'	no	purple flowers; strappy foliage				x	х
Narrowleaf evening primrose	Oenothera fruticosa	0.75-2'	1' - 1.5'	sun to part shade	0"	no	showy pink flowers; colonizes; soil stability		x		x	
Arrow arum	Peltandra virginica	2' - 3'	1'-3'	part shade	0.5' - 1.5'	no	large oblong leaves; sheathed flower spike					х
Pickerelweed	Pontederia cordata	2' - 4'	1.5' - 2'	sun	0.5' - 1.5'	no	purple flower spikes; tropical foliage					х
Bulltongue arrowhead	Sagittaria lancifolia	1' - 3'	1'-3'	sun	0.5' - 1.5'	no	lance-shaped leaves					х
Wapato, Duck potato	Sagittaria latifolia	1' - 4'	1'-3'	sun to part shade	0.5' - 1.5'	no	tropical foliage; small white flowers					х
Lizard's tail	Saururus cemuus	1' - 3'	1.5' - 2'	part shade to shade	0.5' - 1.5'	no	drooping white flowers					x
Sea purslane	Sesuvium portulacastrum	0.25'-0.5'	1'-6'	sun	0"	yes	trailing succulent; pink flowers				x	
Seasidegoldenrod	Solidago sempervirens	3' - 6'	2' - 3'	sun	0"	yes	yellow flower spikes; pollinators				x	x
Powdery thalia	Thalia dealbata	3' - 6'	3'-6'	sun to part shade	1'-2'	no	large leaves; purple flowers; phytoremediation					x

Grasses

Common Name	Scientific Name	Height	Width	Light	Water Depth	Salt Toler- ance	Seasonal Interest	Infiltration Practices (basins, trenches, dry wells)	Grassed Swales, Veg- etated Filter Strips	Tree Trench- es	,	
Broomsedge	Andropogon virginicus	2' - 3'	2' - 3'	sun	0"	no	fall color; winter structure		х		Х	
Yellowfruitsedge	Carex annectens	1'-3'	1'-2'	sun to part shade	0' - 0.5'	no	pollinator habitat				Х	х
River oats	Chasmanthium latifolium	2' - 5'	1'-2.5'	sun to part shade	0' - 0.5'	no	seed pods				Х	
Sawgrass	Cladium jamaicense	3'-6'	mat forming	sun to part shade	0' - 1'	yes	wetland restoration				х	х
Seashore saltgrass	Distichlis spicata	1'-2'	mat forming	sun	0' - 1'	yes	dense monocultures; bird and butterfly habitat					х
Gulf coast spikerush	Eleocharis cellulosa	1'-4'	0.25'	sun	0.5' - 3'	no	dense and spreading; important habitat					х
Horsetail	Equisetum hyemale	1' - 3'	3' - 6'	sun to shade	0' - 0.5'	no	stiff tall stems; erosion control	х	х		х	x
Soft rush, Common rush	Juncus effusus	2' - 4'	2' - 4'	sun to part shade	0' - 1'	yes	evergreen spiky foliage				х	x
Black needlerush	Juncus roemerianus	1' - 3'	3' - 6'	sun	0' - 1'	yes	tall even evergreen spiky foliage					x
Hairawn muhly, Pink muhly	Muhlenbergia capillaris	2'	2.5'	sun to part shade	0"	no	pink fall flowers	х	х			
Gulf hairawn, Purple muhly	Muhlenbergia filipes	2'	2.5'	sun to part shade	0"	yes	purple fall flowers; songbirds, pollinators	х	х			
Bitter panicgrass	Panicum amarum	3' - 4'	2' - 3'	sun	0"	yes	dunestabilizer	х	х			
Maidencane	Panicum hemitomon	3' - 4'	1' - 2'	sun to part shade	0' - 0.5'	no	marsh restoration; habitat for aquatic organisms					х
Seashore paspalum	Paspalum vaginatum	0.25' - 0.75'	mat forming	sun to part shade	0"	yes	sod forming; important browsing food for wildlife	х	х		х	x
Coastal bluestem	Schizachyrium littorale	2' - 4'	1'-2'	sun	0"	yes	dune stabilization; flower spikes	х	х			
Gulf bluestem	Schizachyrium maritimum	1' - 1.5'	1'-2'	sun	0"	yes	dense, fine-textured foliage; dune stabilization	х	х		х	
Chairmaker's bulrush	Schoenoplectus americanus	2' - 4'	2'-3'	sun	0' - 1'	yes	important food for aquatic animals				х	x
California bulrush	Schoenoplectus californicus	3' - 9'	3' - 5'	sun	0' - 1'	no	water quality improvement; showy fruits					х
Saltmarsh bulrush	Schoenoplectus robustus	2' - 3'	1'-2'	sun	0' - 1'	yes	important food for waterbirds					х
Teddy bear paws, Woolgrass	Scirpus cyperinus	3' - 6'	2'-4'	sun to part shade	0' - 1'	no	fall color; brown fuzzy flowers					x
Smooth cordgrass	Spartina alterniflora	2' - 6'	2' - 3'	sun	0 - 0.5'	yes	foliage; shoreline protection; major marsh plant		x		х	х
Saltmeadow cordgrass	Spartina patens	1' - 3'	1' - 2'	sun to part shade	0 - 0.5'	yes	foliage; shoreline stabilization		x		х	х
Gulf cordgrass	Spartina spartinae	3' - 5'	3' - 5'	part shade	0 - 0.5'	yes	nesting habitat for birds		x		х	х
Seashore dropseed	Sporobolus virginicus	0.5' - 1.5'	1' - 2'	sun	0"	yes	forms dense stands		x		х	х
Seaoats	Uniola paniculata	4' - 6'	1' - 2'	sun	0"	yes	erosion control		х		х	
Yellow eye grass	Xyris spp.	0.75 - 2.5'	1'-2'	sun	0 - 0.5'	no	small, yellow flowers		х			x

Vines

Dutchman's pipe	Aristolochia macrophylla	15'-40'	15' - 20'	sun to part shade	0"	no	hummingbirds; pollinators			х	х	
Crossvine	Bignonia capreolata	30' - 50'	6' - 9'	sun to shade	0"	no	showy flowers; trellis climber			х		
Trumpet creeper	Campsis radicans	30'-40'	4' - 10'	sun to part shade	0"	no	showy flowers; attaches to climbing surface				х	
Beach bean	Canavalia rosea	20' - 50'	mat forming	sun	0"	yes	purple flowers; dune habitat; pollinators				х	
Yellow jessamine	Gelsemium sempervirens	10'-20'	15'-25'	sun to part shade	0"	no	yellow flowers; evergreen leaves; trellis climber			х		
Coral honeysuckle	Lonicera sempervirens	8' - 15'	3' - 6'	sun	0"	no	showy flowers; trellis climber			x	х	х
Virginia creeper	Parthenocissus quinquefolia	30' - 50'	10'- 15'	part shade to shade	0"	no	fall color; attaches to climbing surface				х	х
Passion flower, Maypop	Passiflora incarnata	6' - 8'	3' - 6'	sun to part shade	0"	no	flowers/fruits; groundcover/trellis climber			x		
Trailing wildbean	Strophostyles helvola	8'	0.5'	sun	0"	no	annual that re-seeds; pink flowers	х	х			
Muscadinegrape	Vitis rotundifolia	70'- 100'	3'	sun to part shade	0"	no	sweet grapes; groundcover/trellis climber					х
American wisteria	Wisteria frutescens	15'-30'	4' - 8'	sun	0'	no	showy flowers; trellis climber			х		