

TOWN OF SULLIVAN'S ISLAND



TREE COMMISSION APPROVED TREE LIST

PROTECTED TREE LIST:

<u>Common/Scientific Name</u>	<u>Height & Width</u>	<u>Sun/ Shade</u>	<u>Insect & Disease Resistance</u>	<u>Growth Rate</u>	<u>Deciduous Evergreen</u>	<u>Remarks</u>
Cedar, Eastern Red <i>Juniperus virginiana</i>	40-50' h 10-20' w	FS/PS	H	F	E	Native. Soil adaptable. Brownish tint in the winter. Fruit is a blue berry on female. Drought tolerant Zones 8-10
Cedar, Southern Red <i>Juniperus silicicola</i>	30-45' h 20-30' w	FS/PS	H	F	E	Native. Soil adaptable. Develop flat-topped windswept shape. Pest resistant and Drought tolerant Zones 8-10
Magnolia, Southern <i>Magnolia grandiflora</i> 'Claudia Wannamaker'	60-80' h 30-40' w	PS/FS	M	M	E	Native. Soil adaptable. Bark is thin, protect from mechanical injury. White showy blooms in spring & summer. Good cultivars. Zones 7-9
Oak, live <i>Quercus virginiana</i>	60-80' h 60-120' w	PS/FS	H	M	E	Native. Soil adaptable. Roots will eventually heave sidewalks. Good wind resistance. Some litter. Zones 8-10
Oak, laurel/darlington <i>Quercus laurifolia</i>	60-70' h 50' w	PS/FS	H	F	SE	Native. Soil adaptable. Roots will heave sidewalks. Acorns attract wildlife, creates some litter. Zones 6-10
Pecan <i>Carya illinoensis</i>	70-100' h 50-70' w	PS/FS	L	M	D	Native. High drought tolerance. Good urban shade tree, street tree. Zones 5B-9A
Palmetto <i>Sabal palmetto</i>	30' h 16-25' w	PS/FS/S	H	M	E Palm	Native. Broad range of soil conditions. Tolerant to drought and insects. Zones 8-10
KEY						
Sun/shade exposure:	Growth rate:	Pest resistance:		Type:		
FS = Full sun	S = Slow (less than 1' per year)	H = High		D = Deciduous		
PS = Part sun	M = Medium (1-2' per year)	M = Medium		E = Evergreen		
S = Shade	F = Fast (more than 2' per year)	L = Low		SE = Semi Evergreen		

REPLACEMENT TREE LIST:

The following tables represent various tree species recommended by the South Carolina Forestry Commission's *Tree Selection Guide* and *Planting Guide for South Carolina* (<http://www.state.sc.us/forest/>). In addition to the tree species suitable for South Carolina's plant hardiness zone (Zone 8b and 9a), there are many native tree species recommended by the Town of Sullivan's Island Tree Commission. The Tree Commission encourages the replanting of native tree species in order to conserve and regenerate our native island ecosystem.

- Highlighted in **Yellow** are the town's protected tree species from the official Protected Tree List.
- Highlighted in **Green** are species native to Sullivan's Island.

Large Tree Species: 50' Suitable for areas with more than 200 square feet of total planting area; in a planting strip at least 7' wide; or place at least 6' from pavement or wall.

<u>Common/Scientific Name</u>	<u>Height & Width</u>	<u>Sun/ Shade</u>	<u>Insect & Disease Resistance</u>	<u>Growth Rate</u>	<u>Deciduous Evergreen</u>	<u>Remarks</u>
Beech, American <i>Fagus grandifolia</i>	50-75' h 40-80' w	PS/FS	L	S	D	Native. Needs ample room above and below ground. Acid soil. Fruit attracts wildlife, no litter. Zones 4-9
Blackgum <i>Nyssa sylvatica</i>	65-75' h 25-35' w	PS/FS	H	S	D	Native. Soil pH below 6 best, texture tolerant, drought tolerant, wet soil tolerant. Fruit attracts wildlife, some litter. Zones 4-9
Deodar Cedar <i>Cedrus deodara</i>	40-60' h 25-30' w	PS/FS	M	F	E	India. Drought tolerant, pH adaptable. Needs room for wide lower branches. Protect from strong winds. Zones 7-8
Cryptomeria, Japanese <i>Cryptomeria japonica</i>	50-60' h 15-20' w	FS	L	S	E	Japan. Prefers acid soil, texture adaptable. Drought tolerant, shelter from wind. Zones 6-8
Cypress, bald <i>Taxodium distichum</i>	60-80' h 25-35' w	FS/PS	M	F	D	Native. Drought & wet tolerant. 'Knees' form in wet areas. Tolerates compaction. Zones 4-11
Cypress, pond <i>Taxodium ascendens</i>	50-60' h 50-60' w	PS/FS	H	F	D	Native. Soil adaptable below 7.5. Knobby 'knees' form in moist areas. Attracts wildlife. No litter. Zones 5-9
Dawn redwood <i>Metasequoia glyptostroboides</i>	70-90' h 25-35' w	FS/PS	H	F	D	China. Avoid high pH soils & salt. Good for urban & moist areas. Zones 5-8
Ginkgo <i>Ginkgo biloba</i>	50-75' h 50-60' w	PS/FS	H	S	D	China. Soil texture, pH & drought tolerant once established. Fall color is bright yellow. Females have smelly fruit. Zones 4-8
Hickory, pignut <i>Carya glabra</i>	50-65' h 30-40' w	PS/FS	M	M	D	Native. Soil texture adaptable. Drought tolerant. Nuts attract wildlife. Zones 4-9
Hickory, shagbark <i>Carya ovata</i>	60-80' h 25-35' w	PS/FS	H	S	D	Native. Soil texture adaptable. Abundant nuts attract wildlife. Shaggy bark attractive. Zones 4-8
Katsura tree <i>Cercidiphyllum japonicum</i>	40-60' h 35-60' w	PS/FS	M	F	D	China. Soil adaptable, even moisture. Drought tolerant once established. Numerous shallow roots. Use mulch. Zones 4-8
Loblolly bay <i>Gordonia lasianthus</i>	50-60' h 10-15' w	S/PS	H	S	E	Native. Needs shade. Soil adaptable, moist. Showy white flowers. Shallow root system needs mulch & water during drought. Zones 7-9
Magnolia, Southern	60-80' h 30-40' w	PS/FS	M	M	E	Native. Soil adaptable. Bark is thin, protect from mechanical injury. White showy blooms in spring & summer. Good cultivars. Zones 7-9

Magnolia grandiflora						
Maple, red Acer rubrum	60-75' h 25-35' w	PS/FS	H	F	D	Native. Prefers acidic soil, texture tolerant, wet tolerant. Bark is thin. Fruit attracts wildlife. Many cultivars. Zones 4-9
Maple, sugar Acer saccharum	50-80' h 35-50' w	S/FS	L	M	D	Native. Soil adaptable. Use in cooler portions of state. Roots need ample space. Shallow roots benefit from mulch. Zones 4-8
Oak, laurel/darlington Quercus laurifolia	60-70' h 50' w	PS/FS	H	F	SE	Native. Soil adaptable. Roots will heave sidewalks. Acorns attract wildlife, creates some litter. Zones 6-10
Oak, live Quercus virginiana	60-80' h 60-120' w	PS/FS	H	M	E	Native. Soil adaptable. Roots will eventually heave sidewalks. Good wind resistance. Some litter. Zones 8-10
Oak, shumard Quercus shumard	60-80' h 40-50' w	FS	M	F	D	Native. Soil texture adaptable, acidic. Urban tolerant. Acorns attract wildlife. Some litter. Zones 5-9
Oak, southern red Quercus falcata	60-80' h 60-70' w	FS	M	M	D	Native. Acidic soil, all textures, urban tolerant. Fruit attracts wildlife, no significant litter. Zones 7-9
Oak, scarlet Quercus coccinea	60-75' h 45-60' w	FS	M	M	D	Native. Acidic soil, all textures. Needs ample root space. Nuts attract wildlife. Some litter. Zones 5-8
Oak, swamp chestnut Quercus michauxii	60-70' h 30-50' w	PS/FS	M	M	D	Native. Acidic soil, all textures, occasional wet. Leaf litter persistent, acorns for wildlife. Zones 6-9
Oak, white Quercus alba	60-100' h 60-80' w	PS/FS	H	M	D	Native. Acidic soil, all textures. Protect roots from disturbances. Nuts attract wildlife. Some litter. Zones 3-9
Oak, willow Quercus phellos	60-75' h 40-60' w	FS	M	F	D	Native. Acidic soil, all textures, occasional wet, drought, urban tolerant. Nuts attract wildlife. Some litter. Zones 5-9
Pine, loblolly Pinus taeda	50-80' h 30' w	FS	M	F	E	Native. Soil texture adaptable, acidic. Thick bark-resistant to fire. Needle drop prolific. Pinecones attract wildlife. Zones 6-9
Pine, longleaf Pinus palustris	60-80' h 30-40' w	FS	M	F	E	Native. Soil texture adaptable. Beautiful bark. Needle and cone drop prolific. Drought tolerant once established. Zones 7-10
Poplar, Carolina (Southern Cottonwood) Populus deltoids	75-100' h 25-40' w	FS	H	F	D	Native. Leaves with triangular or heart shaped leaves. Zones 4-9
Poplar, White Populus alba	50-80' h 2-3' w	PS/FS	H	F	D	Native. Acidic soil, occasional wet. Avoid drought & salt. Showy greenish-yellow blooms in spring. Some leaf drop in high heat. Zones 4-9
Sassafras Sassafras albidum	30-60' h 25-40' w	PS/FS	M	M	D	Native. Acidic soils, wet. Showy yellow bloom in spring. Good fall color. Blue fruit, attracts wildlife. Smaller mature size on coast. Zone 4-9
Sweetgum Liquidambar styraciflua	75' h 50' w	PS/FS	H	M	D	Native. Soil pH of 7.5 or less. Surface roots. Fruit attract wildlife, significant litter. Cultivar 'Rotundifolia' fruitless. Zones 5-9
Sycamore, American Platanus occidentalis	75-90' h 60-70' w	FS	L	F	D	Native. Soil pH and texture adaptable. Prefers moist soil. Roots may heave sidewalks. Showy bark. Zones 4-9
Zelkova, Japanese Zelkova serrata	50-90' h 50-75' w	FS	H	M	D	Japan. Soil adaptable. Drought & urban tolerant once established. Cultivar 'Green Vase' elm-like. Zones 5-8
Yellow = protected tree species; KEY Green = native to Sullivan's Island						
<u>Sun/shade exposure:</u>	<u>Growth rate:</u>	<u>Pest resistance:</u>	<u>Type:</u>			
FS = Full sun	S = Slow (less than 1' per year)	H = High	D = Deciduous			

PS = Part sun	M = Medium (1-2' per year)	M = Medium	E = Evergreen
S = Shade	F = Fast (more than 2' per year)	L = Low	SE = Semi Evergreen

Medium Trees: 25' - 50' Suitable for spaces with 100 to 200 sf of total planting space; in a planting strip at least 4-7 feet wide; or place at least 4' from pavement or wall.

<u>Common Name/Scientific Name</u>	<u>Height & Width</u>	<u>Sun/Shade</u>	<u>Insect & Disease Resistance</u>	<u>Growth Rate</u>	<u>Deciduous Evergreen</u>	<u>Remarks</u>
Birch, river <i>Betula nigra</i> 'Heritage'	40-50' h 40-50' w	PS/FS	M	F	D	Not recommended on Sullivan's Island. Native. Acidic soil. Drought sensitive in confined spaces. Roots need room. Cultivars available. Zones 3B-9
Crapemyrtle <i>Lagerstroemia indica</i>	15-30' h 15-25' w	FS	H	M	D	China. Soil adaptable, urban tolerant, drought tolerant once established. Showy summer blooms. Zones 7-9
Crapemyrtle, Japanese <i>Lagerstroemia fauriei</i>	35-50' h 25-35' w	FS	H	M	D	Japan. Soil adaptable. Urban tolerant. White showy flowers. Beautiful bark. May be resistant to powdery mildew. Zones 6-9
Dogwood, flowering <i>Cornus florida</i>	20-30' h 20' w	PS	M	M	D	Native. Part shade. Drought sensitive, low salt tolerance, needs good drainage. White showy flowers. Horizontal branching pattern. Zones 5-9
Elm, lacebark <i>Ulmus parvifolia</i> 'Drake'	40-50' h 35-50' w	FS	H	F	D	Asia. Soil adaptable. Drought tolerant once established. Thin bark. Urban tolerant. Zones 5-9
Goldenraintree <i>Koelreuteria paniculata</i>	30-40' h 30-40' w	FS/PS	M	M	D	China. Soil adaptable. Salt, drought, urban tolerant. Bright yellow flowers in spring. Zones 5-8
Hackberry (Sugarberry) <i>Celtis laevigata</i>	60-80' h 35-50' w	FS	H	F	D	Native. Bark is smooth with corky warts. Purple and black berries. Zones 5-9
Holly, East Palatka <i>Ilex x attenuata</i>	30-45' h 10-15' w	FS	M	M	E	Florida natural hybrid. Urban & drought tolerant once established. Red berries attract wildlife. Zones 7-9
Holly, American <i>Ilex opaca</i>	40-50' h 15-25' w	FS	M	S	E	Native. Salt and drought tolerant once established. Red berries attract birds, no litter. Zones 5-9
Holly, Nellie R. Stevens <i>Ilex x</i>	20-30' h 10-15' w	FS	H	M	E	Hybrid. Soil texture tolerant. Needs male and female plants for berries. Drought tolerant. Showy red berries & deep green leaves. Zones 6-9
Holly, Savannah <i>Ilex x attenuata</i>	30-45' h 6-10' w	FS	M	M	E	Hybrid. Acidic soil, urban tolerant. Red berries attract birds, no litter. Zones 6-9
Holly, weeping yaupon <i>Ilex vomitoria</i>	20-30' h 6-12' w	FS	M	M	E	Native. Soil & pH adaptable. Thin bark. Flowers attract bees. Zones 7-10
Hophornbeam, American <i>Ostrya virginiana</i>	30-40' h 25-35' w	PS/FS	M	S	D	Native. All soils except wet. Salt sensitive, drought & urban tolerant. Small nutlets attract wildlife. Zones 3B-9
Hornbeam, American <i>Carpinus caroliniana</i>	20-40' h 20-30' w	PS	M	S	D	Native. Soil adaptable, occasionally wet, salt sensitive. Good climbing tree due to strong wood and low branches. Zones 3B-9
Hornbeam, European <i>Carpinus betulus</i>	30-40' h 15-20' w	PS	M	S	D	Europe. Soil adaptable. Urban tolerant. Fruit attracts birds, no litter problem. Good screen. Zones 5-7
Japanese Black Pine <i>Pinus thunbergi</i>						Japan.

Loquat <i>Eriobotrya japonica</i>	20-30' h 30-35' w	PS/FS	M	M	E	China. Southern range only. Texture tolerant. Well drained soil, afternoon shade. Orange or yellow fruit attracts wildlife, litter. Zones 8-10
Magnolia, sweetbay <i>Magnolia virginiana</i>	40-50' h 15-25' w	PS	M	M	D	Native. Acidic soil. Tolerates wetlands. Flood & drought tolerant. Showy, white, fragrant flowers. Zones 5-9
Magnolia, Southern <i>Magnolia grandiflora</i> 'Bracken's Brown Beauty'	30-50' h 15-30' w	FS	H	M	E	Native. Soil adaptable. White showy blooms in summer & early fall. Smaller leaves than species. Zones 6-9
Maple, hedge <i>Acer campestre</i>	30-35' h 30-35' w	PS/FS	H	S	D	Europe. Soil adaptable, no compacted soil. Drought tolerant in part shade. Urban tolerant. Good screen plant. Good fall color. Zones 5-8
Maple, Plaintree (Sycamore Maple) <i>Acer pseudoplatanus</i>	50-80' h 1-2.5' w	PS/FS	H	F	D	Europe-Western Asia. Autumn color brown. Zones 5-8
Maple, trident <i>Acer buergerianum</i>	30-40' h 25' w	PS/FS	H	M	D	China. Acidic, well drained soil. Urban, salt & wind tolerant. Attractive bark. Zones 5-8
Oak, Chinese evergreen <i>Quercus myrsinifolia</i>	20-40' h 20-30' w	FS	H	S	E	China. Soil adaptable, all textures. Bark smooth, gray, beech-like. New foliage emerges purple-bronze color. Zones 7-9
Oak, overcup <i>Quercus lyrata</i>	35-50' h 35-50' w	FS	H	M	D	Native. Soil adaptable, wet & drought tolerant once established. Urban tolerant. Acorns attract wildlife, significant litter. Zones 5-9
Palm, cabbage <i>Sabal palmetto</i>	40-50' h 10-12' w	PS/FS	H	S	E	Native. Soil tolerant, frond and fruit litter messy. Needs irrigation until established as all cut roots die back. Southern region only. Zones 8B-11
Palm, windmill <i>Trachycarpus fortunei</i>	20-40' h 6-10' w	PS/FS	M	S	E	China. Soil texture adaptable. Drought tolerant once established. Protect from wind. Southern range of state only. Zones 8A-10B
Persian parrotia <i>Parrotia persica</i>	20-40' h 20-40' w	PS/FS	H	S	D	Iran. Soil adaptable, not wet. Drought tolerant once established. Attractive bark, thin bark. Urban tolerant. Zones 5-8
Persimmon, Common <i>Diospyros virginiana</i>	20-60' h 6-10' w	PS/FS	M	S	D	Native. Common in deep south. Distinguished in winter by distinctive bark and nspicuous fruit on bare branches. Zones 5-8
Redbud, eastern <i>Cercis canadensis</i>	20-30' h 15-30' w	PS	M	F	D	Native. Light, rich, moist soil, texture adaptable. Showy purple blooms in spring. Cultivar 'Texas White' good. Short lived. Zones 4-9
Redcedar, eastern <i>Juniperus virginiana</i>	40-50' h 8-25' w	FS	H	F	E	Native. Soil pH and texture tolerant. Blue fruit attracts wildlife. Good wind break, urban tolerant. Zones 3-9
Silverbell, Carolina <i>Halesia carolina</i>	20-40' h 15-30' w	PS/FS	H	M	D	Native. Acidic soil. Drought sensitive in full sun, roots need room. Showy white blooms in spring. Zones 5-8
Snowbell, Japanese <i>Styrax japonicus</i>	20-30' h 15-25' w	PS/FS	H	M	D	Japan. Acidic loamy soil. Afternoon shade, protect from wind. Attractive exfoliating bark. White showy blooms in spring. Zones 6-8
Stewartia, tall <i>Stewartia monadelph</i>	25-35' h 15-25' w	PS/FS	H	S	D	Japan. Acidic soils. Thin bark, attractive bark. White, camellia-like blooms in summer. Part shade best in 8B. Zones 6-8
Black Willow	10-30' h	PS/FS	H	M	D	Native. One of the largest willows. Shrubby on the Atlantic coast.
Yellowwood, American <i>Cladastris kentukea</i>	30-50' h 40-50' w	PS/FS	H	M	D	Native. Needs pruning while young. White fragrant blooms. Tolerates urban conditions. Zones 4-8

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S = Shade	F = Fast (more than 2' per year)	L = Low	SE = Semi Evergreen	

Small Trees: 25' Useful under utility lines; areas with < 100 sf of total planting area; a planting strip with a width of at least 4'; or planted at least 2' from pavement or wall.

<u>Common Name/Scientific Name</u>	<u>Height & Width</u>	<u>Sun/ Shade</u>	<u>Insect & Disease Resistance</u>	<u>Growth Rate</u>	<u>Deciduous Evergreen</u>	<u>Remarks</u>
Black Cherry <i>Prunus serotina</i>	20-50' h	PS/FS	H	F	D	Native.
Buckeye, red <i>Aesculus pavia</i>	15-20' h 15-25' w	S/FS	M	S	D	Native. Soil adaptable. Nice bark, showy blooms, seeds poisonous. Fruits attract wildlife. Litter. Zones 4-8
Buckthorn Bully (Bumelia) <i>Bumelia tenax</i>	10-25' h 10-15' w	PS/FS	M	S	D	Native. Swamps and maritime forests. Curvy thorns. Zones 3-7
Carolina Laurelcherry <i>Prunus caroliniana</i>	5-20' h	PS/FS	M	M	E	Native. Leaves and seeds toxic. Blue-black berries. White flowers
Catalpa, Southern <i>Catalpa bignonioides</i>	35-50' h 2-3' w	PS/FS	M	M	D	Western China. Streams, roadsides and clearings
Chickasaw Plum <i>Prunus augustifolia</i>	5-20' h	PS/FS	M	F	D	Native. Showy white blooms in spring
Chastetree <i>Vitex agnus-castus</i>	10-15' h 15-20' w	PS/FS	M	F	D	Europe. Soil & pH adaptable. Showy lavender blooms. Zones 7-8
Chastetree, cutleaf <i>Vitex negundo-</i> <i>'Heterophylla'</i>	10-15' h 10-15' w	PS/FS	M	F	D	Africa. Soil & pH adaptable. Avoid wet soil. Showy lavender blooms attract bees. Zones 6-8
Cherry, Okame <i>Prunus x incamp</i> <i>'Okame'</i>	15-25' h 20' w	PS/FS	M	M	D	Hybrid. Soil texture and pH adaptable. Roots need room. Pink showy blooms. Fruit attracts birds. Zones 7-9
Dogwood, Japanese <i>Cornus officinalis</i>	20' h 25' w	PS/FS	M	S	D	Japan. Soil adaptable, salt sensitive. Showy blooms in spring, fruits in fall. Zones 5-8
Dogwood, kousa <i>Cornus kousa</i>	15-20' h 15-20' w	PS/FS	M	S	D	Japan. Soil adaptable. Part shade, needs water. Roots need room. Showy white blooms in spring. Fruit attracts birds. Zones 5-8
Dogwood, pagoda <i>Cornus alternifolia</i>	15-20' h 15-20' w	PS/FS	M	S	D	Native. Part shade. Soil adaptable, mulch needed. Creamy white blooms in spring. Fruit attracts birds. Zones 3-7
Fringetree <i>Chionanthus virginicus</i>	12-15' h 10-15' w	PS/FS	M	S	D	Native. Acidic soil. Thin bark easily damaged. Urban tolerant. Showy white blooms in spring. Fruit attracts birds. Zones 4-9
Fringetree, Chinese <i>Chionanthus retusus</i>	20' h 10-15' w	PS/FS	H	S	D	China. Acidic soil, occasionally wet. Shelter from wind. White showy blooms in spring. Fruit attracts wildlife. Zones 6-8
Holly, Foster's <i>Ilex x attenuata</i> <i>'Fosteri'</i>	15-25' h 8-12' w	PS/FS	M	S	E	Hybrid. Acidic soil, occasionally wet. Drought tolerant. Red berries attract birds, no litter. Zones 6-9
Holly, yaupon <i>Ilex vomitoria</i>	15-20' h 15-20' w	S/FS	M	M	E	Native. Soil & pH greatly adaptable. Urban tolerant. Thin bark. Red berries attract wildlife. Zones 7-10

