

NEW SMYRNA BEACH TREE LIST

COLUMN LEGEND

An asterisk (*) after the name indicates the tree is salt tolerant and appropriate for beachside.

Street = Street tree
Buffer = Shade tree for buffer strips
Lot = Shade tree for parking lots
Wet = Tree suitable for littoral zone and wet detention plantings, as well as upland sites

Foliage:

D = Deciduous
E = Evergreen
S = Semi-Evergreen

Soil:

D = Well-drained
F = Fertile
M = Moist to wet

Light:

F = Requires full sun
S = Requires some shade

Problems:

B = Prone to stem breakage
D = Prone to disease problems
I = Prone to insect problems
L = Large (10 foot or more) bed required
P = Prolific reproduction (sucker or seed)
T = Toxic to humans
F = Suffers freeze damage (not reliably cold hardy)

Wildlife value:

0 = Low or none
1 = Moderate
2 = High
3 = Very high

Color

C = Color from flowers, fruit or foliage at some time of year

(local) = Specimens derived from native Florida populations must be used

(rust resistant) = Sources of this species that are resistant to fusiform rust must be used

When the crown spread at thirty-five years is "0" or followed by "0", it means the species commonly dies before reaching thirty-five (35) years of age. **(EXHIBIT A / Ord. #58-01)**

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LARGE AND MEDIUM TREES		Maximum	Estimated	Average											
Canopy Trees		Height	Crown	Spread											
Common name	Botanical name	(feet)	(20-yr)	(35-yr)	Native	Street	Buffer	Lot	Wet	Foliage	Soil	Light	Wildlife	Color	Problems
Birch, river	Betula nigra	60	25	40	*	Med	*		W	D	M		1	C	
Black cherry	Prunus serotina	60	30	40	*	Med	*	*		D	D	F	2	C	
Black/sour gum	Nyssa sylvatica	80	30	40	*	Lrg	*	*		D			2	C	
Cedar, southern red*	Juniperus silicicola*	60	20	40	*	Med	*			E	D	F	2		
Cypress, bald	Taxodium distichum	100	20	30	*	Lrg			W	D	M		0		L
Cypress, pond	Taxodium ascendens	70	15	20	*		*		W	D	M		0		L
Elm, Chinese (drake)	Ulmus parvifolia	60	40	60				*		D			0		
Elm, Florida	Ulmus americana floridana	80	30	50	*	Lrg	*	*		D	M		1		
Hercules club*	Zanthoxylum clava-herculis	50	25	40	*		*			D	D		1		
Hickory, scrub*	Carya floridana	60	20	30	*		*			D	D		3		
Hickory, pignut	Carya aquatina	90	30	50	*	Lrg	*	*		D			2		
Hickory, water	Carya glabra	70	20	40	*				W	D	M		3		
Holly, American	Ilex opaca	50	15	25	*		*	*		E			2	C	
Loblolly bay	Gordonia lasianthus	60	20	35	*		*		W	E	M		1	C	
Magnolia, southern*	Magnolia grandiflora	90	20	35	*		*	*		E			1	C	
Magnolia, sweetbay	Magnolia virginiana	70	20	25	*	Med	*		W	S	M		1	C	
Maple, red	Acer rubrum	80	25	40	*	Lrg	*		W	D	M		1	C	
Mulberry, red*	Morus rubra	50	25	35	*					D			2	C	
Oak, chestnut	Quercus michauxii	90	25	40	*	Lrg	*		W	D	M		2		
Oak, laurel	Quercus hemispherica	80	20	50	*		*			S			2		L, B
Oak, live*	Quercus virginiana	80	45	80	*	Lrg	*	*		E			3		L
Oak, shumard	Quercus shumardii	90	30	60	*	Lrg		*		D			2	C	
Oak, white	Quercus alba	80	20	40	*	Lrg		*		D			2		
Palm, cabbage*	Sabal palmetto	80	14	12	*				W	E			1		
Palm, date	Phoenix spp.	60	26	24						E			0		F
Palm, Washington	Washingtonia robusta	90	12	10						E			0		F
Persimmon*	Diospyros virginiana	50	15	30	*	Med				D			1		
Pine, loblolly	Pinus taeda (rust resistant)	90	20	30	*		*	*		E			1		
Pine, longleaf	Pinus palustris	80	20	30	*	Lrg	*	*		E		F	1		
Pine, slash*	Pinus elliottii (rust resistant)	100	20	30	*					E		F	1		
Red bay*	Persea borbonia or humilis	60	25	40	*		*			E			1		D
Sugar (Hack) berry*	Celtis laevigata	70	30	50	*	Lrg		*		D			2		B, P
Sweetgum	Liquidambar styraciflua	90	30	50	*		*		W	D	M		1	C	
Sycamore, american	Platanus occidentalis	100	40	60	*	Lrg		*	W	D			1	C	
Tulip poplar	Liriodendron tulipifera	90	25	40	*	Lrg	*		W	D			2	C	

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Exhibit A (continued)

Ordinance 58-01

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SMALL TREES		Maximum	Estimated	Average											
Understory Trees		Height	Crown	Spread											
Common name	Botanical name	(feet)	(20-yr)	(35-yr)	Native	Street	Buffer	Lot	Wet	Foliage	Soil	Light	Wildlife	Color	Problems
Buckeye, red	Aesculus pavia	30	10	15	*	Sm				D	M		2	C	
Bumelia*	Bumelia tenax or lanuginosa	30	10	15	*		*			E			1		
Crape myrtle	Lagerstroemia indica	25	10	10						D		F	0	C	
Chicasaw plum	Prunus angustifolia	20	10	15	*		*			D			3	C	
Devil's-walkingstick	Aralia spinosa	20	10	15-0	*					D			2	C	P
Dogwood, flowering	Cornus florida	30	15	20	*	Sm				D	D	S	2	C	
Elm, winged	Ulmus alata	40	15	25	*	Sm		*		D			2		
Florida privet*	Forestiera segregata	10	5	8	*					E	D	F	2		
Fringe tree	chionanthus virginicus	25	15	20	*	Sm	*			D		F	1	C	
Hawthorn	Crataegus spp.	25	15	20	*				W	D			1	C	
Holly, dahoon	Ilex cassina	30	15	25	*	Sm	*		W	E	M		2	C	
Holly, East Palatka	Ilex x attenuata "E. Palat."	40	15	20	*	Sm	*	*		E			2	C	
Holly, yaupon*	Ilex vomitoria	30	15	20	*		*	*		E			2	C	
Hornbeam	Carpinus caroliniana	30	20	30	*				W	D	M		1	C	
Mangrove, red*	Rhizophora mangle L	40	15	25	*				W	E	M		2	C	
Maple, Florida sugar	Acer barbatum (floridanum)	30	15	20	*	Sm	*	*		D	M		1	C	
Maple, white bark	Acer leucoderme	30	15	20	*	Sm	*	*		D			1	C	
Marlberry*	Ardesia excallonioides	20	10	15	*		*			E		S	2	C	
Oak, Chapman	Quercus chapmanii	30	10	15	*					E			1		
Oak, myrtle*	Quercus myrtaefolia	30	20	30	*					E			2		
Oak, sand live*	Quercus germinata	40	30	40	*	Sm		*		E	D		3		
Oak, turkey	Quercus laevis	40	25	40	*	Sm				D	D		2	C	
Olive, wild*	Osmanthus americanus	40	20	30	*	Sm	*			E			1		
Redbud, eastern	Cercis canadensis	25	15	25-0	*					D			2	C	
Rusty Lyonia	Lyonia ferruginea	20	15	20	*					E	D		1	C	
Sea grape*	Coccoloba uvifera	30	15	20	*		*			E	D	F	1	C	
Simpson's stopper*	Myrcianthes fragrans	25	10	15	*		*			E			2	C	
Soapberry, wingleaf	Sapindus saponaria*	30	15	20	*	Sm				D			1	C	
Sparkleberry*	Vaccinium arborium	25	10	15	*					E	MD		3	C	
Swamp bay	Persea palustris	40	15	30	*				W	E	F		1	C	
Sumac, shining	Rhus copallina	20	10	15	*		*			D			2	C	
Viburnum, Walter	Viburnum obovatum	20	10	15	*					S			1	C	
Waxy myrtle*	Myrica cerifera	30	15	20	*		*		W	E			1		B,P
Wild lime*	Zanthoxylum fagara	30	10	15	*					E			1	C	
Yellow anis	Illicium parviflorum	20	10	15	*				W	E			1	C	

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