

Current and Potential Future Habitat, Capability, and Migration

Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIaiv	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
slash pine	Pinus elliottii	NDH	High	26.2	1293.1	32.6	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair	Infill +	Infill +	0	1
loblolly pine	Pinus taeda	WDH	High	59.2	1242.1	26.0	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good	Infill ++	Infill ++	1	2
sweetgum	Liquidambar styraciflua	WDH	High	55.8	510.4	9.5	No change	No change	Medium	Abundant	Good	Good	Infill ++	Infill ++	1	3
longleaf pine	Pinus palustris	NSH	Medium	28.5	453.7	12.7	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	4
water oak	Quercus nigra	WDH	High	52.4	369.2	9.8	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	5
laurel oak	Quercus laurifolia	NDH	Medium	34.2	182.3	6.4	Sm. inc.	No change	Medium	Common	Good	Fair	Infill ++	Infill +	1	6
blackgum	Nyssa sylvatica	WDL	Medium	42.1	172.6	4.1	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	1	7
southern red oak	Quercus falcata	WDL	Medium	19.4	85.5	3.7	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	8
post oak	Quercus stellata	WDH	High	18.2	82.9	3.8	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	2	9
red maple	Acer rubrum	WDH	High	31.9	53.6	1.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	10
white oak	Quercus alba	WDH	Medium	8	51.1	4.2	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	2	11
willow oak	Quercus phellos	NSL	Low	5.7	49.5	5.8	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	12
American holly	Ilex opaca	NSL	Medium	20.5	48.1	2.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	13
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	9.1	46.0	3.3	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	14
swamp chestnut oak	Quercus michauxii	NSL	Low	19.4	27.8	3.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	15
live oak	Quercus virginiana	NDH	High	5.7	27.5	9.0	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	16
sassafras	Sassafras albidum	WSL	Low	11.4	26.8	1.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	17
mockernut hickory	Carya alba	WDL	Medium	10.3	24.7	3.0	No change	Sm. inc.	High	Rare	Fair	Good	Infill +	Infill ++	2	18
bald cypress	Taxodium distichum	NSH	Medium	4.6	23.7	3.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	19
water tupelo	Nyssa aquatica	NSH	Medium	3.4	22.7	4.4	No change	No change	Low	Rare	Very Poor	Very Poor			2	20
swamp tupelo	Nyssa biflora	NDH	Medium	4.6	22.4	3.3	No change	No change	Low	Rare	Very Poor	Very Poor			0	21
overcup oak	Quercus lyrata	NSL	Medium	9.1	19.6	2.7	No change	Lg. inc.	Low	Rare	Very Poor	Fair		Infill +	2	22
sweetbay	Magnolia virginiana	NSL	Medium	12.5	16.6	1.3	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +		2	23
black cherry	Prunus serotina	WDL	Medium	18.2	16.3	1.1	Sm. inc.	Sm. inc.	Low	Rare	Poor	Poor	Infill +	Infill +	1	24
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	13.7	14.3	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	25
water hickory	Carya aquatica	NSL	Medium	8	13.4	2.2	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	26
southern magnolia	Magnolia grandiflora	NSL	Low	12.5	10.4	3.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	27
American elm	Ulmus americana	WDH	Medium	11.4	9.7	1.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	28
green ash	Fraxinus pennsylvanica	WSH	Low	10.3	9.6	1.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	29
blackjack oak	Quercus marilandica	NSL	Medium	6.8	9.5	2.2	Sm. dec.	No change	High	Rare	Poor	Fair		Infill +	2	30
black oak	Quercus velutina	WDH	High	6.8	6.8	2.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	31
black willow	Salix nigra	NSH	Low	1.1	5.9	3.4	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +	Infill +	2	32
common persimmon	Diospyros virginiana	NSL	Low	5.7	3.6	2.2	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	33
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	3.4	3.5	0.7	Sm. dec.	No change	High	Rare	Poor	Fair		Infill +	2	34
flowering dogwood	Cornus florida	WDL	Medium	4.6	3.2	0.5	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	35
slippery elm	Ulmus rubra	WSL	Low	1.1	2.7	1.6	No change	Lg. inc.	Medium	Rare	Poor	Good	Infill +		2	36
shortleaf pine	Pinus echinata	WDH	High	1.1	2.2	1.3	No change	Lg. inc.	Medium	Rare	Poor	Good			2	37
swamp white oak	Quercus bicolor	NSL	Low	1.1	2.1	1.2	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	38
winged elm	Ulmus alata	WDL	Medium	6.8	2.1	0.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	39
American beech	Fagus grandifolia	WDH	High	1.1	1.7	1.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +		2	40
redbay	Persea borbonia	NSL	Low	5.7	1.4	0.6	No change	No change	High	Rare	Fair	Fair			0	41
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	1.1	1.3	0.7	No change	Lg. inc.	High	Rare	Fair	Good	Infill +		2	42
eastern redcedar	Juniperus virginiana	WDH	Medium	1.1	1.2	0.7	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	43
river birch	Betula nigra	NSL	Low	1.1	1.1	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	44
bitternut hickory	Carya cordiformis	WSL	Low	4.6	0.9	2.2	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	45
water elm	Planera aquatica	NSL	Low	1.1	0.8	0.5	No change	Lg. inc.	Medium	Rare	Poor	Good			2	46
Nuttall oak	Quercus texana	NSH	Medium	4.6	0.7	1.6	No change	Lg. inc.	High	Rare	Fair	Good			0	47

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black locust	Robinia pseudoacacia	NDH	Low	1.1	0.6	0.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0	48	
Shumard oak	Quercus shumardii	NSL	Low	1.1	0.5	0.3	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor					0	49
Atlantic white-cedar	Chamaecyparis thyoides	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat					3	50
florida maple	Acer barbatum	NSL	Low	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown					0	51
boxelder	Acer negundo	WSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +				3	52
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	53
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	54
pawpaw	Asimina triloba	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	55
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate +			3	56
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +			3	57
black hickory	Carya texana	NDL	High	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown					0	58
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +			3	59
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown					0	60
blue ash	Fraxinus quadrangulata	NSL	Low	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown					0	61
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +			3	62
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown					0	63
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	64
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown					0	65
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	66
bur oak	Quercus macrocarpa	NDH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown					0	67
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown					0	68
northern red oak	Quercus rubra	WDH	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown					0	69
cabbage palmetto	Sabal palmetto	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					0	70
American basswood	Tilia americana	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	71
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate ++			3	72