

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
loblolly pine	Pinus taeda	WDH	High	97.8	4147.1	42.4	No change	No change	Medium	Abundant	Good	Good				1 1
sweetgum	Liquidambar styraciflua	WDH	High	100	1227.7	12.3	No change	No change	Medium	Abundant	Good	Good				1 2
water oak	Quercus nigra	WDH	High	94.4	824.2	8.7	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 3
white oak	Quercus alba	WDH	Medium	69.7	292.8	4.2	No change	No change	High	Common	Good	Good				1 4
shortleaf pine	Pinus echinata	WDH	High	61.8	268.3	4.3	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 5
yellow-poplar	Liriodendron tulipifera	WDH	High	53.9	232.2	4.3	Lg. dec.	Sm. dec.	High	Common	Fair	Fair				1 6
southern red oak	Quercus falcata	WDL	Medium	66.3	224.3	3.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 7
blackgum	Nyssa sylvatica	WDL	Medium	77.5	219.4	2.8	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 8
red maple	Acer rubrum	WDH	High	83.1	209.8	2.5	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good				1 9
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	51.7	167.1	3.2	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 10
post oak	Quercus stellata	WDH	High	47.2	162.1	3.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 11
winged elm	Ulmus alata	WDL	Medium	74.2	157.1	2.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 12
willow oak	Quercus phellos	NSL	Low	37.1	152.1	4.1	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good				1 13
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	49.4	144.1	2.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 14
black cherry	Prunus serotina	WDL	Medium	62.9	115.0	1.8	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair				1 15
slippery elm	Ulmus rubra	WSL	Low	18	102.2	5.7	Lg. dec.	Sm. dec.	Medium	Common	Poor	Poor				0 16
sugarberry	Celtis laevigata	NDH	Medium	27	93.7	3.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 17
spruce pine	Pinus glabra	NSL	Low	27	86.9	3.2	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor				0 18
green ash	Fraxinus pennsylvanica	WSH	Low	40.4	84.7	2.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 19
pignut hickory	Carya glabra	WDL	Medium	42.7	80.5	1.9	Lg. dec.	Sm. dec.	Medium	Common	Poor	Poor				0 20
American elm	Ulmus americana	WDH	Medium	40.4	76.7	1.9	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 21
flowering dogwood	Cornus florida	WDL	Medium	59.6	70.1	1.2	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 22
mockernut hickory	Carya alba	WDL	Medium	41.6	67.9	1.6	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 23
sweetbay	Magnolia virginiana	NSL	Medium	20.2	67.2	3.3	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 24
eastern redcedar	Juniperus virginiana	WDH	Medium	28.1	48.8	1.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 25
slash pine	Pinus elliotii	NDH	High	4.5	45.1	10.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		1 26
common persimmon	Diospyros virginiana	NSL	Low	39.3	37.9	1.0	Sm. inc.	Sm. inc.	High	Rare	Good	Good				1 27
sourwood	Oxydendrum arboreum	NDL	High	31.5	37.2	1.2	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor				1 28
black willow	Salix nigra	NSH	Low	15.7	36.7	2.3	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair				1 29
laurel oak	Quercus laurifolia	NDH	Medium	20.2	35.1	1.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 30
swamp chestnut oak	Quercus michauxii	NSL	Low	16.9	33.1	2.0	No change	No change	Medium	Rare	Poor	Poor				1 31
shagbark hickory	Carya ovata	WSL	Medium	16.9	31.9	1.9	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 32
American beech	Fagus grandifolia	WDH	High	20.2	28.2	1.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		1 33
Shumard oak	Quercus shumardii	NSL	Low	14.6	26.7	1.8	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +		1 34
sassafras	Sassafras albidum	WSL	Low	32.6	25.9	0.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 35
honeylocust	Gleditsia triacanthos	NSH	Low	1.1	24.5	21.8	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +		2 36
swamp tupelo	Nyssa biflora	NDH	Medium	5.6	20.3	3.6	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +		2 37
black oak	Quercus velutina	WDH	High	20.2	20.0	1.0	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 38
sycamore	Platanus occidentalis	NSL	Low	7.9	17.8	2.3	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +		1 39
red mulberry	Morus rubra	NSL	Low	7.9	17.3	2.2	No change	No change	Medium	Rare	Poor	Poor				1 40
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	13.5	15.8	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good				1 41
longleaf pine	Pinus palustris	NSH	Medium	5.6	15.4	2.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		1 42
white ash	Fraxinus americana	WDL	Medium	11.2	14.9	1.3	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		1 43
American holly	Ilex opaca	NSL	Medium	18	14.8	0.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 44
overcup oak	Quercus lyrata	NSL	Medium	6.7	13.2	2.0	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +	Infill +		1 45
florida maple	Acer barbatum	NSL	Low	1.1	13.1	11.6	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +		2 46
eastern redbud	Cercis canadensis	NSL	Low	12.4	10.8	0.9	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 47

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water hickory	Carya aquatica	NSL	Medium	7.9	10.3	1.3	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 48
bitternut hickory	Carya cordiformis	WSL	Low	7.9	9.6	1.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				1 49
boxelder	Acer negundo	WSH	Low	11.2	9.2	0.8	Sm. inc.	Sm. inc.	High	Rare	Good	Good				1 50
scarlet oak	Quercus coccinea	WDL	Medium	7.9	8.7	1.1	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost				0 51
bald cypress	Taxodium distichum	NSH	Medium	2.2	8.0	3.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 52
shellbark hickory	Carya laciniosa	NSL	Low	5.6	7.8	1.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 53
blackjack oak	Quercus marilandica	NSL	Medium	9	7.6	0.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		1 54
southern magnolia	Magnolia grandiflora	NSL	Low	6.7	7.5	1.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		1 55
pawpaw	Asimina triloba	NSL	Low	2.2	6.6	2.9	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 56
Nuttall oak	Quercus texana	NSH	Medium	7.9	5.5	0.7	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor				0 57
bigleaf magnolia	Magnolia macrophylla	NSL	Low	1.1	3.4	3.0	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 58
Osage-orange	Maclura pomifera	NDH	Medium	1.1	3.0	2.7	Sm. inc.	Lg. inc.	High	Rare	Good	Good				2 59
cedar elm	Ulmus crassifolia	NDH	Medium	2.2	2.7	1.2	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2 60
water tupelo	Nyssa aquatica	NSH	Medium	2.2	1.9	0.9	Sm. dec.	Very Lg. dec.	Low	Rare	Very Poor	Lost				0 61
pecan	Carya illinoensis	NSH	Low	1.1	1.9	1.7	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2 62
river birch	Betula nigra	NSL	Low	1.1	1.3	1.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good		Infill ++		2 63
black walnut	Juglans nigra	WDH	Low	1.1	1.1	1.0	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost				0 64
live oak	Quercus virginiana	NDH	High	1.1	0.8	0.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				2 65
northern red oak	Quercus rubra	WDH	Medium	1.1	0.7	0.7	Very Lg. dec.	Lg. dec.	High	Rare	Lost	Poor				0 66
redbay	Persea borbonia	NSL	Low	1.1	0.6	0.6	Lg. inc.	Lg. inc.	High	Rare	Good	Good				2 67
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 68
silver maple	Acer saccharinum	NSH	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown				0 69
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +		3 70
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +		3 71
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +		3 72
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				3 73
silverbell	Halesia spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 74
water elm	Planera aquatica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +		3 75
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 76
shingle oak	Quercus imbricaria	NDH	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 77
turkey oak	Quercus laevis	NSH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0 78
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 79
chestnut oak	Quercus prinus	NDH	High	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown				0 80
bluejack oak	Quercus incana	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +		3 81
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 82
American basswood	Tilia americana	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 83