

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	96.3	3897.9	44.6	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	1
water oak	Quercus nigra	WDH	High	90	655.1	8.1	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	2
sweetgum	Liquidambar styraciflua	WDH	High	97.5	608.8	6.8	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	3
laurel oak	Quercus laurifolia	NDH	Medium	70	371.0	6.0	No change	No change	Medium	Common	Fair	Fair			1	4
slash pine	Pinus elliottii	NDH	High	23.8	351.2	14.8	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	5
blackgum	Nyssa sylvatica	WDL	Medium	72.5	301.4	4.5	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	6
American holly	Ilex opaca	NSL	Medium	62.5	171.2	2.7	No change	No change	Medium	Common	Fair	Fair			1	7
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	40	164.0	4.1	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	8
willow oak	Quercus phellos	NSL	Low	33.8	157.1	4.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	9
bald cypress	Taxodium distichum	NSH	Medium	16.3	123.1	7.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	10
red maple	Acer rubrum	WDH	High	57.5	121.5	2.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	11
southern red oak	Quercus falcata	WDL	Medium	46.2	115.4	2.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	12
sweetbay	Magnolia virginiana	NSL	Medium	38.8	100.3	2.6	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	13
water tupelo	Nyssa aquatica	NSH	Medium	8.8	91.2	10.4	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor	Infill +	Infill +	0	14
southern magnolia	Magnolia grandiflora	NSL	Low	28.8	88.8	3.1	No change	No change	Medium	Common	Fair	Fair			1	15
white oak	Quercus alba	WDH	Medium	43.7	84.5	1.9	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	16
swamp chestnut oak	Quercus michauxii	NSL	Low	26.2	81.8	3.1	No change	No change	Medium	Common	Fair	Fair			1	17
longleaf pine	Pinus palustris	NSH	Medium	11.3	79.1	7.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	18
green ash	Fraxinus pennsylvanica	WSH	Low	30	67.2	2.7	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	19
shortleaf pine	Pinus echinata	WDH	High	22.5	66.6	3.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	20
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	26.3	61.0	3.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	21
redbay	Persea borbonia	NSL	Low	37.5	60.3	1.9	No change	No change	High	Common	Good	Good			1	22
American beech	Fagus grandifolia	WDH	High	17.5	56.0	3.2	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	23
sugarberry	Celtis laevigata	NDH	Medium	17.5	55.0	4.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	24
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	27.5	52.4	1.9	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	25
winged elm	Ulmus alata	WDL	Medium	25	47.0	1.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	26
American elm	Ulmus americana	WDH	Medium	18.7	45.3	2.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	27
post oak	Quercus stellata	WDH	High	18.7	43.4	2.3	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	28
sassafras	Sassafras albidum	WSL	Low	18.7	40.3	2.2	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	29
water hickory	Carya aquatica	NSL	Medium	15	36.3	2.4	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	30
slippery elm	Ulmus rubra	WSL	Low	11.3	34.5	4.8	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	31
black hickory	Carya texana	NDL	High	12.5	20.9	1.7	No change	Lg. inc.	Medium	Rare	Poor	Good	Infill +	Infill ++	1	32
overcup oak	Quercus lyrata	NSL	Medium	12.5	19.8	1.6	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	1	33
river birch	Betula nigra	NSL	Low	6.2	17.0	2.7	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	34
mockernut hickory	Carya alba	WDL	Medium	18.7	16.9	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	35
flowering dogwood	Cornus florida	WDL	Medium	13.7	14.3	1.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	36
black willow	Salix nigra	NSH	Low	8.8	13.6	4.8	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +	Infill +	2	37
pecan	Carya illinoensis	NSH	Low	1.2	13.4	10.8	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	2	38
sycamore	Platanus occidentalis	NSL	Low	6.3	12.0	1.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	39
honeylocust	Gleditsia triacanthos	NSH	Low	2.5	11.7	4.7	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	40
Nuttall oak	Quercus texana	NSH	Medium	2.5	10.7	4.3	Sm. dec.	No change	High	Rare	Poor	Fair			0	41
florida maple	Acer barbatum	NSL	Low	5	10.7	2.1	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +		1	42
boxelder	Acer negundo	WSH	Low	3.8	10.1	2.7	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	2	43
white ash	Fraxinus americana	WDL	Medium	12.5	10.1	0.8	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			0	44
black cherry	Prunus serotina	WDL	Medium	16.2	9.8	0.6	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	45
live oak	Quercus virginiana	NDH	High	1.2	8.8	7.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	46
water elm	Planera aquatica	NSL	Low	6.3	8.7	1.4	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	47

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bluejack oak	Quercus incana	NSL	Low	2.5	8.4	3.4	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +		1 48
blackjack oak	Quercus marilandica	NSL	Medium	7.5	7.8	1.0	No change	Sm. inc.	High	Rare	Fair	Good	Infill +	Infill ++		1 49
cedar elm	Ulmus crassifolia	NDH	Medium	3.8	7.1	1.9	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2 50
common persimmon	Diospyros virginiana	NSL	Low	8.8	6.5	0.7	Very Lg. dec.	Lg. dec.	High	Rare	Lost	Poor				1 51
eastern redcedar	Juniperus virginiana	WDH	Medium	3.7	5.7	1.5	No change	Sm. inc.	Medium	Rare	Poor	Fair		Infill +		2 52
pignut hickory	Carya glabra	WDL	Medium	1.3	4.4	3.6	Sm. dec.	No change	Medium	Rare	Very Poor	Poor				2 53
bitternut hickory	Carya cordiformis	WSL	Low	1.2	4.1	3.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor				0 54
black walnut	Juglans nigra	WDH	Low	2.5	2.8	1.1	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 55
red mulberry	Morus rubra	NSL	Low	2.5	2.4	1.0	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 56
swamp tupelo	Nyssa biflora	NDH	Medium	1.2	1.8	1.4	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +			2 57
shagbark hickory	Carya ovata	WSL	Medium	1.2	1.4	1.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 58
black oak	Quercus velutina	WDH	High	1.3	1.1	0.9	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost				0 59
American basswood	Tilia americana	WSL	Medium	1.3	0.7	0.6	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost				0 60
Shumard oak	Quercus shumardii	NSL	Low	1.2	0.6	0.4	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				0 61
wild plum	Prunus americana	NSLX	FIA	1.2	0.5	0.4	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only				0 62
Carolina ash	Fraxinus caroliniana	NSL	FIA	1.3	0.3	0.2	Unknown	Unknown	NA	Rare	FIA Only	FIA Only				0 63
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 64
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 65
pawpaw	Asimina triloba	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 66
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +		3 67
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 68
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0 69
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 70
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				3 71
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 72
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 73
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 74
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0 75
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 76
scarlet oak	Quercus coccinea	WDL	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	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 79
northern red oak	Quercus rubra	WDH	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown				0 80