

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	95.3	4687.7	49.2	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	1
sweetgum	Liquidambar styraciflua	WDH	High	95.3	907.1	9.5	No change	No change	Medium	Abundant	Good	Good			1	2
shortleaf pine	Pinus echinata	WDH	High	68.2	456.7	6.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	3
white oak	Quercus alba	WDH	Medium	70.6	373.4	5.3	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	4
water oak	Quercus nigra	WDH	High	82.4	358.4	4.4	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	5
southern red oak	Quercus falcata	WDL	Medium	75.3	253.0	3.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	6
blackgum	Nyssa sylvatica	WDL	Medium	69.4	190.6	2.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	7
red maple	Acer rubrum	WDH	High	77.6	182.1	2.4	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	8
longleaf pine	Pinus palustris	NSH	Medium	20	180.5	9.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	9
slash pine	Pinus elliotii	NDH	High	11.8	155.7	13.2	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	10
post oak	Quercus stellata	WDH	High	48.2	143.1	3.0	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	11
American hornbeam; muscley	Carpinus caroliniana	WSL	Low	54.1	142.9	2.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	12
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	49.4	140.3	2.8	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	13
winged elm	Ulmus alata	WDL	Medium	65.9	128.7	2.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	14
willow oak	Quercus phellos	NSL	Low	35.3	104.8	3.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	15
American beech	Fagus grandifolia	WDH	High	37.6	104.2	2.8	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	16
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	54.1	80.2	1.5	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	17
mockernut hickory	Carya alba	WDL	Medium	48.2	73.2	1.5	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	18
green ash	Fraxinus pennsylvanica	WSH	Low	28.2	71.9	2.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	19
American holly	Ilex opaca	NSL	Medium	44.7	70.9	1.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	20
American elm	Ulmus americana	WDH	Medium	35.3	69.0	2.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	21
laurel oak	Quercus laurifolia	NDH	Medium	15.3	58.9	3.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	22
sweetbay	Magnolia virginiana	NSL	Medium	14.1	51.2	3.6	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	23
bald cypress	Taxodium distichum	NSH	Medium	9.4	50.4	5.4	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	24
white ash	Fraxinus americana	WDL	Medium	38.8	44.6	1.2	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	25
sugarberry	Celtis laevigata	NDH	Medium	15.3	44.0	2.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	26
flowering dogwood	Cornus florida	WDL	Medium	40	33.7	0.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	27
black hickory	Carya texana	NDL	High	20	33.0	1.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	28
florida maple	Acer barbatum	NSL	Low	25.9	32.4	1.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			1	29
water elm	Planera aquatica	NSL	Low	5.9	30.5	5.2	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	30
overcup oak	Quercus lyrata	NSL	Medium	8.2	29.6	3.6	No change	No change	Low	Rare	Very Poor	Very Poor			0	31
black cherry	Prunus serotina	WDL	Medium	41.2	28.5	0.7	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair			1	32
southern magnolia	Magnolia grandiflora	NSL	Low	16.5	27.5	1.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	33
eastern redcedar	Juniperus virginiana	WDH	Medium	12.9	26.1	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	34
sassafras	Sassafras albidum	WSL	Low	32.9	25.9	0.8	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good			1	35
black willow	Salix nigra	NSH	Low	4.7	18.8	4.0	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	1	36
water hickory	Carya aquatica	NSL	Medium	5.9	13.1	2.2	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	37
swamp chestnut oak	Quercus michauxii	NSL	Low	10.6	13.0	1.2	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +	Infill ++	1	38
river birch	Betula nigra	NSL	Low	2.4	12.0	5.1	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	39
red mulberry	Morus rubra	NSL	Low	15.3	11.8	0.8	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	40
Shumard oak	Quercus shumardii	NSL	Low	5.9	7.6	1.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	41
black walnut	Juglans nigra	WDH	Low	2.4	7.1	3.0	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	42
cedar elm	Ulmus crassifolia	NDH	Medium	4.7	6.5	1.4	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	43
redbay	Persea borbonia	NSL	Low	7.1	6.2	0.9	Sm. dec.	No change	High	Rare	Poor	Fair			1	44
blackjack oak	Quercus marilandica	NSL	Medium	14.1	6.1	0.4	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	45
pecan	Carya illinoensis	NSH	Low	2.4	6.0	2.5	No change	Lg. inc.	Low	Rare	Very Poor	Fair		Infill +	2	46
boxelder	Acer negundo	WSH	Low	3.5	5.8	1.6	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +		2	47

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slippery elm	Ulmus rubra	WSL	Low	4.7	5.5	1.2	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +		1	48
bluejack oak	Quercus incana	NSL	Low	3.5	5.3	1.5	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +		2	49
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	4.7	5.1	1.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		1	50
waterlocust	Gleditsia aquatica	NSLX	FIA	1.2	4.8	4.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only				0	51
common persimmon	Diospyros virginiana	NSL	Low	4.7	3.4	0.7	No change	Sm. inc.	High	Rare	Fair	Good		Infill ++		1	52
swamp white oak	Quercus bicolor	NSL	Low	1.2	2.9	2.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0	53
sycamore	Platanus occidentalis	NSL	Low	2.4	2.6	1.1	Sm. dec.	No change	Medium	Rare	Very Poor	Poor				0	54
swamp tupelo	Nyssa biflora	NDH	Medium	1.2	2.4	2.0	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2	55
eastern redbud	Cercis canadensis	NSL	Low	4.7	2.3	0.5	Sm. dec.	No change	Medium	Rare	Very Poor	Poor				1	56
wild plum	Prunus americana	NSLX	FIA	3.5	2.2	0.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only				0	57
Osage-orange	Maclura pomifera	NDH	Medium	1.2	1.4	1.2	Very Lg. dec.	Lg. inc.	High	Rare	Lost	Good				2	58
honeylocust	Gleditsia triacanthos	NSH	Low	1.2	1.3	1.1	No change	Lg. inc.	High	Rare	Fair	Good		Infill ++		2	59
black oak	Quercus velutina	WDH	High	2.4	1.2	0.5	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost				0	60
bitternut hickory	Carya cordiformis	WSL	Low	2.4	1.0	0.4	Very Lg. dec.	Sm. dec.	High	Rare	Lost	Poor		Infill +		2	61
water tupelo	Nyssa aquatica	NSH	Medium	1.2	0.7	0.6	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2	62
pignut hickory	Carya glabra	WDL	Medium	1.2	0.6	0.5	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				2	63
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat				3	64
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3	65
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	66
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				3	67
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	68
yellow-poplar	Liriodendron tulipifera	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3	69
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	70
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	71
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0	72
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0	73
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3	74
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat				3	75
turkey oak	Quercus laevis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3	76
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	77
Nuttall oak	Quercus texana	NSH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0	78
northern red oak	Quercus rubra	WDH	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown				0	79
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++		3	80
American basswood	Tilia americana	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0	81