

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	81.2	1862.1	22.9	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	1
sweetgum	Liquidambar styraciflua	WDH	High	92.9	1220.0	13.1	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	2
southern red oak	Quercus falcata	WDL	Medium	83.5	618.2	7.4	Sm. inc.	Sm. inc.	High	Abundant	Very Good	Very Good			1	3
white oak	Quercus alba	WDH	Medium	70.6	614.1	8.7	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	4
shortleaf pine	Pinus echinata	WDH	High	62.4	551.6	8.9	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	5
red maple	Acer rubrum	WDH	High	75.3	374.8	5.0	No change	No change	High	Common	Good	Good			1	6
winged elm	Ulmus alata	WDL	Medium	76.5	374.8	4.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	7
eastern redcedar	Juniperus virginiana	WDH	Medium	67.1	364.9	5.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	8
post oak	Quercus stellata	WDH	High	74.1	325.2	4.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	9
yellow-poplar	Liriodendron tulipifera	WDH	High	61.2	269.7	4.4	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	10
black oak	Quercus velutina	WDH	High	45.9	199.4	4.4	No change	No change	Medium	Common	Fair	Fair			1	11
mockernut hickory	Carya alba	WDL	Medium	63.5	196.7	3.1	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	12
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	47.1	194.6	4.1	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	13
pignut hickory	Carya glabra	WDL	Medium	58.8	174.6	3.0	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	14
green ash	Fraxinus pennsylvanica	WSH	Low	47.1	171.8	3.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	15
black cherry	Prunus serotina	WDL	Medium	63.5	163.8	2.6	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	16
flowering dogwood	Cornus florida	WDL	Medium	67.1	161.2	2.4	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	17
blackgum	Nyssa sylvatica	WDL	Medium	60	144.9	2.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	18
bald cypress	Taxodium distichum	NSH	Medium	9.4	134.5	14.3	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	19
American elm	Ulmus americana	WDH	Medium	30.6	127.5	4.2	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	20
sycamore	Platanus occidentalis	NSL	Low	36.5	123.7	3.4	No change	Sm. inc.	Medium	Common	Fair	Good			1	21
river birch	Betula nigra	NSL	Low	16.5	116.9	7.1	Sm. dec.	No change	Medium	Common	Poor	Fair			1	22
water oak	Quercus nigra	WDH	High	35.3	105.6	3.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	23
common persimmon	Diospyros virginiana	NSL	Low	44.7	94.1	2.1	No change	Sm. inc.	High	Common	Good	Very Good			1	24
scarlet oak	Quercus coccinea	WDL	Medium	20	85.3	4.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	25
sassafras	Sassafras albidum	WSL	Low	21.2	79.8	3.8	No change	Sm. inc.	Medium	Common	Fair	Good			1	26
black willow	Salix nigra	NSH	Low	24.7	75.5	3.1	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	27
shagbark hickory	Carya ovata	WSL	Medium	23.5	69.3	2.9	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	28
willow oak	Quercus phellos	NSL	Low	10.6	63.5	6.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	29
boxelder	Acer negundo	WSH	Low	11.8	55.5	4.7	Lg. dec.	Sm. dec.	High	Common	Fair	Fair			1	30
blackjack oak	Quercus marilandica	NSL	Medium	22.4	54.1	2.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	31
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	31.8	52.5	1.7	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	32
slippery elm	Ulmus rubra	WSL	Low	24.7	50.2	2.0	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	33
black locust	Robinia pseudoacacia	NDH	Low	10.6	46.3	4.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	34
American beech	Fagus grandifolia	WDH	High	22.4	40.7	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	35
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	17.6	39.1	2.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	36
sugarberry	Celtis laevigata	NDH	Medium	5.9	35.4	6.0	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +	Infill ++	1	37
northern red oak	Quercus rubra	WDH	Medium	20	33.3	1.7	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	38
silver maple	Acer saccharinum	NSH	Low	4.7	30.3	6.4	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	39
chestnut oak	Quercus prinus	NDH	High	3.5	21.9	6.2	Sm. dec.	Lg. dec.	High	Rare	Poor	Poor			0	40
white ash	Fraxinus americana	WDL	Medium	22.4	21.5	1.0	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	41
eastern redbud	Cercis canadensis	NSL	Low	12.9	18.8	1.5	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	42
Shumard oak	Quercus shumardii	NSL	Low	10.6	17.8	1.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	43
Nuttall oak	Quercus texana	NSH	Medium	3.5	17.8	5.0	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	44
swamp tupelo	Nyssa biflora	NDH	Medium	1.2	15.7	13.3	No change	No change	Low	Rare	Very Poor	Very Poor			2	45
swamp chestnut oak	Quercus michauxii	NSL	Low	8.2	15.6	1.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	46
sourwood	Oxydendrum arboreum	NDL	High	5.9	14.6	2.5	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	1	47

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red mulberry	Morus rubra	NSL	Low	14.1	13.4	1.0	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	48
florida maple	Acer barbatum	NSL	Low	4.7	13.2	2.8	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +		1	49
black walnut	Juglans nigra	WDH	Low	9.4	13.2	1.4	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	50
chinkapin oak	Quercus muehlenbergii	NSL	Medium	4.7	10.8	2.3	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	51
laurel oak	Quercus laurifolia	NDH	Medium	3.5	7.2	2.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +		2	52
bitternut hickory	Carya cordiformis	WSL	Low	9.4	5.8	0.6	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor	Infill +		1	53
Osage-orange	Maclura pomifera	NDH	Medium	3.5	5.7	1.6	No change	Lg. inc.	High	Rare	Fair	Good	Infill ++		2	54
honeylocust	Gleditsia triacanthos	NSH	Low	2.4	5.6	2.4	No change	Sm. inc.	High	Rare	Fair	Good	Infill ++		2	55
pecan	Carya illinoensis	NSH	Low	2.4	4.9	2.1	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +		2	56
sugar maple	Acer saccharum	WDH	High	1.2	3.9	3.3	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	57
water tupelo	Nyssa aquatica	NSH	Medium	2.4	3.6	1.6	Lg. dec.	Very Lg. dec.	Low	Rare	Very Poor	Lost			0	58
American holly	Ilex opaca	NSL	Medium	5.9	3.4	0.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	59
shellbark hickory	Carya laciniosa	NSL	Low	1.2	3.3	2.8	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	60
water elm	Planera aquatica	NSL	Low	2.4	2.5	1.1	Lg. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	61
overcup oak	Quercus lyrata	NSL	Medium	2.4	2.3	1.0	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	62
serviceberry	Amelanchier spp.	NSL	Low	2.4	2.1	0.9	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	63
pawpaw	Asimina triloba	NSL	Low	2.4	1.5	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	64
white mulberry	Morus alba	NSL	FIA	1.2	0.8	0.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	65
American basswood	Tilia americana	WSL	Medium	1.2	0.7	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	66
ailanthus	Ailanthus altissima	NSL	FIA	1.2	0.7	0.6	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	67
eastern cottonwood	Populus deltoides	NSH	Low	1.2	0.7	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	68
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	1.2	0.4	0.3	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	69
slash pine	Pinus elliotii	NDH	High	1.2	0.2	0.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	70
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	71
longleaf pine	Pinus palustris	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	72
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	73
water hickory	Carya aquatica	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	74
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	75
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	76
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	77
southern magnolia	Magnolia grandiflora	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	78
sweetbay	Magnolia virginiana	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate +	3	79
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	80
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	81
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	82
bluejack oak	Quercus incana	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	83
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate ++	3	84