

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
white oak	Quercus alba	WDH	Medium	80	607.1	9.6	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	1
sugar maple	Acer saccharum	WDH	High	68.8	557.4	9.4	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	2
pignut hickory	Carya glabra	WDL	Medium	85	502.3	7.9	Lg. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	3
yellow-poplar	Liriodendron tulipifera	WDH	High	63.8	428.4	8.2	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	4
black oak	Quercus velutina	WDH	High	73.8	380.2	7.3	No change	Sm. dec.	Medium	Common	Fair	Poor			1	5
shortleaf pine	Pinus echinata	WDH	High	22.5	275.4	15.0	No change	No change	Medium	Common	Fair	Fair			1	6
green ash	Fraxinus pennsylvanica	WSH	Low	75	257.6	5.3	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	7
silver maple	Acer saccharinum	NSH	Low	37.5	226.9	14.2	Lg. dec.	Sm. dec.	High	Common	Fair	Fair			1	8
sweetgum	Liquidambar styraciflua	WDH	High	52.5	223.0	6.2	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	9
post oak	Quercus stellata	WDH	High	58.8	211.6	5.7	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	10
winged elm	Ulmus alata	WDL	Medium	82.5	194.0	3.6	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	11
American elm	Ulmus americana	WDH	Medium	77.5	187.5	3.7	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	12
white ash	Fraxinus americana	WDL	Medium	68.7	182.9	3.9	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	13
sassafras	Sassafras albidum	WSL	Low	83.8	177.8	3.2	No change	No change	Medium	Common	Fair	Fair			1	14
northern red oak	Quercus rubra	WDH	Medium	57.5	166.6	3.7	No change	No change	High	Common	Good	Good			1	15
eastern redcedar	Juniperus virginiana	WDH	Medium	40	156.4	5.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	16
shagbark hickory	Carya ovata	WSL	Medium	65	126.8	2.9	No change	No change	Medium	Common	Fair	Fair			1	17
boxelder	Acer negundo	WSH	Low	45	126.6	4.6	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	18
black willow	Salix nigra	NSH	Low	31.3	124.7	9.2	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	19
sycamore	Platanus occidentalis	NSL	Low	36.2	110.3	5.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	20
hackberry	Celtis occidentalis	WDH	Medium	57.5	90.7	2.8	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	21
blackgum	Nyssa sylvatica	WDL	Medium	51.3	87.2	2.2	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	22
red maple	Acer rubrum	WDH	High	52.5	86.6	3.0	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	23
mockernut hickory	Carya alba	WDL	Medium	38.7	81.7	3.2	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	24
American beech	Fagus grandifolia	WDH	High	26.3	75.3	2.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	25
pin oak	Quercus palustris	NSH	Low	22.5	68.6	4.8	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	26
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	27.5	68.1	4.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	27
slippery elm	Ulmus rubra	WSL	Low	51.3	65.5	1.8	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	28
bitternut hickory	Carya cordiformis	WSL	Low	36.2	61.8	2.6	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	29
eastern cottonwood	Populus deltoides	NSH	Low	23.7	59.0	6.2	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	30
loblolly pine	Pinus taeda	WDH	High	5	55.8	11.2	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	2	31
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	45	55.6	1.5	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	32
black cherry	Prunus serotina	WDL	Medium	52.5	55.3	1.8	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	33
flowering dogwood	Cornus florida	WDL	Medium	55	54.9	1.5	No change	Sm. inc.	Medium	Common	Fair	Good			1	34
black walnut	Juglans nigra	WDH	Low	43.8	51.4	1.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	35
common persimmon	Diospyros virginiana	NSL	Low	35	48.2	1.8	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	36
shingle oak	Quercus imbricaria	NDH	Medium	20	45.8	3.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	37
black hickory	Carya texana	NDL	High	26.2	39.7	2.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	38
black locust	Robinia pseudoacacia	NDH	Low	16.3	39.4	4.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	39
bald cypress	Taxodium distichum	NSH	Medium	12.5	34.6	9.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	40
chinkapin oak	Quercus muehlenbergii	NSL	Medium	30	31.1	1.2	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	41
southern red oak	Quercus falcata	WDL	Medium	17.5	31.1	2.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	42
honeylocust	Gleditsia triacanthos	NSH	Low	21.3	28.3	2.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	43
scarlet oak	Quercus coccinea	WDL	Medium	18.7	26.1	1.8	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	44
eastern redbud	Cercis canadensis	NSL	Low	26.3	26.0	1.2	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	45
eastern white pine	Pinus strobus	WDH	High	12.5	26.0	6.5	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	46
pecan	Carya illinoensis	NSH	Low	20	23.4	2.1	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	1	47

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red mulberry	Morus rubra	NSL	Low	43.7	22.1	1.1	No change	Sm. inc.	Medium	Rare	Poor	Fair			1	48
northern catalpa	Catalpa speciosa	NSHX	FIA	1.3	20.4	16.3	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	49
river birch	Betula nigra	NSL	Low	21.2	18.3	3.2	No change	Sm. inc.	Medium	Rare	Poor	Fair			1	50
blackjack oak	Quercus marilandica	NSL	Medium	12.5	13.4	2.0	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	51
sugarberry	Celtis laevigata	NDH	Medium	21.3	13.2	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	52
pawpaw	Asimina triloba	NSL	Low	23.8	13.0	1.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	53
swamp white oak	Quercus bicolor	NSL	Low	8.7	11.7	2.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	54
chestnut oak	Quercus prinus	NDH	High	1.2	11.1	8.9	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	55
cucumber tree	Magnolia acuminata	NSL	Low	6.3	6.5	1.0	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	56
serviceberry	Amelanchier spp.	NSL	Low	8.8	4.9	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	57
ailanthus	Ailanthus altissima	NSL	FIA	2.5	4.4	1.8	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	58
white mulberry	Morus alba	NSL	FIA	2.5	4.2	1.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	59
water tupelo	Nyssa aquatica	NSH	Medium	5	3.7	11.9	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	60
pumpkin ash	Fraxinus profunda	NSH	FIA	1.3	3.4	2.7	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	61
overcup oak	Quercus lyrata	NSL	Medium	2.5	3.0	1.2	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	62
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	3.8	2.1	0.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	63
swamp chestnut oak	Quercus michauxii	NSL	Low	2.5	2.1	0.8	No change	No change	Medium	Rare	Poor	Poor		Infill +	2	64
Shumard oak	Quercus shumardii	NSL	Low	1.2	1.6	1.3	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	65
bur oak	Quercus macrocarpa	NDH	Medium	11.3	1.6	0.9	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	66
black maple	Acer nigrum	NSH	Low	1.3	1.5	1.2	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	67
American basswood	Tilia americana	WSL	Medium	2.5	0.9	0.3	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	68
Osage-orange	Maclura pomifera	NDH	Medium	5	0.6	2.0	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	69
Ohio buckeye	Aesculus glabra	NSL	Low	1.3	0.3	0.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	70
Nuttall oak	Quercus texana	NSH	Medium	1.2	0.3	0.2	No change	Lg. inc.	High	Rare	Fair	Good			0	71
Scots pine	Pinus sylvestris	NSH	FIA	5	0.3	0.8	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	72
willow oak	Quercus phellos	NSL	Low	5	0.1	0.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	73
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	74
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	75
florida maple	Acer barbatum	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	76
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	77
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	78
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate ++	3	79
water hickory	Carya aquatica	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	80
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	81
black ash	Fraxinus nigra	WSH	Medium	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	82
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	83
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	84
bigtooth aspen	Populus grandidentata	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	85
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	86
water oak	Quercus nigra	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	87
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	88
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate ++	3	89