



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	81.9	3270.3	31.1	No change	No change	Medium	Abundant	Good	Good			1	1
sweetgum	Liquidambar styraciflua	WDH	High	81.1	1056.8	10.2	No change	Sm. inc.	Medium	Abundant	Good	Very Good			1	2
red maple	Acer rubrum	WDH	High	85.7	978.3	8.7	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	3
yellow-poplar	Liriodendron tulipifera	WDH	High	56.7	640.1	8.0	Lg. dec.	Lg. dec.	High	Abundant	Good	Good			1	4
longleaf pine	Pinus palustris	NSH	Medium	24	459.0	14.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	5
pond pine	Pinus serotina	NSH	Medium	22.7	428.8	14.8	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor			0	6
white oak	Quercus alba	WDH	Medium	49	366.6	5.8	No change	No change	High	Common	Good	Good			1	7
water oak	Quercus nigra	WDH	High	48.5	340.6	5.2	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	8
swamp tupelo	Nyssa biflora	NDH	Medium	33.4	241.2	5.7	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	9
Virginia pine	Pinus virginiana	NDH	High	19.7	230.1	7.7	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	10
southern red oak	Quercus falcata	WDL	Medium	40.2	173.4	3.3	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	11
shortleaf pine	Pinus echinata	WDH	High	24.8	124.3	4.3	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	12
American holly	Ilex opaca	NSL	Medium	42.5	121.5	2.2	No change	Sm. inc.	Medium	Common	Fair	Good			1	13
blackgum	Nyssa sylvatica	WDL	Medium	44.2	118.8	2.0	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	14
pignut hickory	Carya glabra	WDL	Medium	31.8	116.9	3.0	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	15
black cherry	Prunus serotina	WDL	Medium	36.3	114.1	2.5	Sm. inc.	Lg. inc.	Low	Common	Fair	Good			1	16
eastern redcedar	Juniperus virginiana	WDH	Medium	27.7	113.2	3.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	17
slash pine	Pinus elliottii	NDH	High	5.4	111.5	14.2	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	2	18
post oak	Quercus stellata	WDH	High	36.5	105.2	2.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	19
sourwood	Oxydendrum arboreum	NDL	High	30.4	103.9	2.5	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	20
loblolly-bay	Gordonia lasianthus	NSH	Medium	13.9	100.1	5.1	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	21
mockernut hickory	Carya alba	WDL	Medium	31.4	96.9	2.2	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	22
sweetbay	Magnolia virginiana	NSL	Medium	28.5	94.8	2.6	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	23
redbay	Persea borbonia	NSL	Low	22.3	77.8	2.5	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	24
American hornbeam; muscley	Carpinus caroliniana	WSL	Low	24	77.2	2.5	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	25
flowering dogwood	Cornus florida	WDL	Medium	34.1	72.1	1.6	No change	No change	Medium	Common	Fair	Fair			1	26
northern red oak	Quercus rubra	WDH	Medium	21.7	68.8	2.3	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	1	27
turkey oak	Quercus laevis	NSH	Medium	12.1	66.8	4.1	No change	No change	High	Common	Good	Good			1	28
willow oak	Quercus phellos	NSL	Low	18.7	64.6	3.0	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	29
laurel oak	Quercus laurifolia	NDH	Medium	15.4	60.1	3.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	30
American elm	Ulmus americana	WDH	Medium	20.4	57.6	2.4	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good	Infill ++	Infill ++	1	31
winged elm	Ulmus alata	WDL	Medium	20.7	57.3	2.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	32
American beech	Fagus grandifolia	WDH	High	12.9	55.9	2.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	33
black oak	Quercus velutina	WDH	High	18.7	55.6	2.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	34
green ash	Fraxinus pennsylvanica	WSH	Low	16.7	55.0	2.3	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	35
white ash	Fraxinus americana	WDL	Medium	19.2	54.8	2.4	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	36
blackjack oak	Quercus marilandica	NSL	Medium	8.5	53.8	4.8	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	1	37
scarlet oak	Quercus coccinea	WDL	Medium	15.5	41.6	1.8	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	38
hackberry	Celtis occidentalis	WDH	Medium	5.5	35.8	5.5	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	1	39
bald cypress	Taxodium distichum	NSH	Medium	8.3	30.4	3.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	40
sycamore	Platanus occidentalis	NSL	Low	5.4	27.8	3.7	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	41
boxelder	Acer negundo	WSH	Low	5.2	27.4	4.1	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	1	42
pond cypress	Taxodium ascendens	NSH	Medium	2.7	26.7	7.1	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	43
common persimmon	Diospyros virginiana	NSL	Low	11.6	24.9	1.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	44
river birch	Betula nigra	NSL	Low	6.4	21.7	3.0	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	45
pumpkin ash	Fraxinus profunda	NSH	FIA	2.5	21.4	8.5	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	46
slippery elm	Ulmus rubra	WSL	Low	8.6	20.4	2.0	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	1	47

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black willow	Salix nigra	NSH	Low	4.9	17.0	3.4	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	1	48
swamp chestnut oak	Quercus michauxii	NSL	Low	5.6	17.0	1.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	49
shagbark hickory	Carya ovata	WSL	Medium	5.2	13.8	2.2	No change	Sm. dec.	Medium	Rare	Poor	Very Poor	Infill +		2	50
eastern redbud	Cercis canadensis	NSL	Low	8.8	12.8	1.2	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	51
black walnut	Juglans nigra	WDH	Low	3.9	11.7	1.7	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	52
water tupelo	Nyssa aquatica	NSH	Medium	1.4	11.0	6.4	No change	No change	Low	Rare	Very Poor	Very Poor			2	53
florida maple	Acer barbatum	NSL	Low	3.8	9.5	2.2	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	54
pecan	Carya illinoensis	NSH	Low	1.5	8.1	4.8	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	2	55
Atlantic white-cedar	Chamaecyparis thyoides	NSH	Low	2.7	8.0	2.7	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	56
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	2.9	7.9	1.9	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	57
sassafras	Sassafras albidum	WSL	Low	6.6	7.7	1.0	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	58
ailanthus	Ailanthus altissima	NSL	FIA	1.6	7.5	2.1	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	59
butternut	Juglans cinerea	NSLX	FIA	0.4	7.1	1.7	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	60
sugarberry	Celtis laevigata	NDH	Medium	1.8	6.4	3.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	61
bitternut hickory	Carya cordiformis	WSL	Low	2.5	6.2	2.0	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor			0	62
chestnut oak	Quercus prinus	NDH	High	1.5	5.9	2.4	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	63
black locust	Robinia pseudoacacia	NDH	Low	1.3	5.0	1.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	64
eastern white pine	Pinus strobus	WDH	High	0.8	4.8	5.7	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	65
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	1.7	4.7	2.8	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	66
sugar maple	Acer saccharum	WDH	High	3.2	4.6	1.3	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	67
red mulberry	Morus rubra	NSL	Low	3.3	4.4	0.8	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	68
sweet birch	Betula lenta	NDH	High	0.8	3.3	3.9	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	69
overcup oak	Quercus lyrata	NSL	Medium	2.5	3.2	1.3	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	2	70
water hickory	Carya aquatica	NSL	Medium	0.8	2.3	2.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	71
white mulberry	Morus alba	NSL	FIA	0.4	1.9	1.6	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	72
Carolina ash	Fraxinus caroliniana	NSL	FIA	1.3	1.9	1.5	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	73
bluejack oak	Quercus incana	NSL	Low	1.6	1.5	0.9	No change	Lg. inc.	Medium	Rare	Poor	Good			2	74
live oak	Quercus virginiana	NDH	High	0.8	1.3	0.5	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	75
cucumbertree	Magnolia acuminata	NSL	Low	0.6	1.1	0.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	76
serviceberry	Amelanchier spp.	NSL	Low	0.8	1.0	1.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	77
northern white-cedar	Thuja occidentalis	WSH	High	0.4	0.9	2.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	78
southern magnolia	Magnolia grandiflora	NSL	Low	0.8	0.9	1.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	79
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0.8	0.7	0.9	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	80
honeylocust	Gleditsia triacanthos	NSH	Low	0.8	0.6	0.7	No change	Lg. inc.	High	Rare	Fair	Good			2	81
striped maple	Acer pensylvanicum	NSL	Medium	0.4	0.3	0.7	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	82
shellbark hickory	Carya laciniosa	NSL	Low	0.4	0.3	0.6	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	83
yellow birch	Betula alleghaniensis	NDL	High	0.4	0.2	0.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	84
pawpaw	Asimina triloba	NSL	Low	0.4	0.1	0.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	85
wild plum	Prunus americana	NSLX	FIA	0.1	0.1	0.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	86
bear oak; scrub oak	Quercus ilicifolia	NSLX	FIA	0.4	0.1	0.2	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	87
Osage-orange	Maclura pomifera	NDH	Medium	0.3	0.1	0.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	88
sand pine	Pinus clausa	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	89
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	90
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	91
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	92
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	93
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	94

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bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	95
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	96
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	97
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat	Likely +		3	98
cabbage palmetto	Sabal palmetto	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	99
American basswood	Tilia americana	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	100
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	101