

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
slash pine	Pinus elliottii	NDH	High	70.3	2132.9	30.2	No change	No change	Medium	Abundant	Good	Good				1 1
loblolly pine	Pinus taeda	WDH	High	75	1852.6	24.5	No change	No change	Medium	Abundant	Good	Good				1 2
swamp tupelo	Nyssa biflora	NDH	Medium	59.7	665.8	11.1	No change	No change	Low	Abundant	Fair	Fair				0 3
laurel oak	Quercus laurifolia	NDH	Medium	64.5	609.9	9.4	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 4
longleaf pine	Pinus palustris	NSH	Medium	37.4	589.2	15.6	Lg. inc.	Lg. inc.	Medium	Abundant	Very Good	Very Good				1 5
water oak	Quercus nigra	WDH	High	72.8	575.6	7.9	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 6
sweetgum	Liquidambar styraciflua	WDH	High	66.9	525.0	7.8	No change	No change	Medium	Abundant	Good	Good				1 7
sweetbay	Magnolia virginiana	NSL	Medium	54	318.8	5.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 8
shortleaf pine	Pinus echinata	WDH	High	22.3	293.4	13.1	No change	No change	Medium	Common	Fair	Fair				1 9
live oak	Quercus virginiana	NDH	High	50.5	229.2	4.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 10
red maple	Acer rubrum	WDH	High	50.5	193.1	3.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 11
sand pine	Pinus clausa	NDH	High	5.9	170.0	28.9	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +		0 12
pond pine	Pinus serotina	NSH	Medium	15.3	165.9	10.8	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor				0 13
pond cypress	Taxodium ascendens	NSH	Medium	25.7	158.9	6.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 14
black cherry	Prunus serotina	WDL	Medium	34	152.5	4.5	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair				1 15
yellow-poplar	Liriodendron tulipifera	WDH	High	22.3	110.7	5.0	No change	No change	High	Common	Good	Good				1 16
loblolly-bay	Gordonia lasianthus	NSH	Medium	17.6	81.2	4.6	No change	Sm. inc.	Medium	Common	Fair	Good				1 17
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	3.5	78.4	22.2	Lg. dec.	Sm. dec.	High	Common	Fair	Fair				1 18
blackgum	Nyssa sylvatica	WDL	Medium	34	78.1	2.3	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 19
spruce pine	Pinus glabra	NSL	Low	17.6	73.9	4.2	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor				0 20
black willow	Salix nigra	NSH	Low	9.4	73.2	7.8	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor				0 21
cabbage palmetto	Sabal palmetto	NDH	Medium	8.2	62.8	7.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				0 22
turkey oak	Quercus laevis	NSH	Medium	15.3	56.5	3.7	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++		1 23
southern magnolia	Magnolia grandiflora	NSL	Low	21.1	52.9	2.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 24
white oak	Quercus alba	WDH	Medium	10.6	47.8	4.5	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +		1 25
southern red oak	Quercus falcata	WDL	Medium	14.1	45.6	3.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		1 26
pignut hickory	Carya glabra	WDL	Medium	11.7	45.2	3.8	No change	No change	Medium	Rare	Poor	Poor				1 27
redbay	Persea borbonia	NSL	Low	25.8	44.5	1.7	No change	Sm. inc.	High	Rare	Fair	Good				1 28
green ash	Fraxinus pennsylvanica	WSH	Low	10.5	44.3	4.2	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +	Infill ++		1 29
flowering dogwood	Cornus florida	WDL	Medium	19.9	41.7	2.1	No change	No change	Medium	Rare	Poor	Poor				1 30
mockernut hickory	Carya alba	WDL	Medium	16.4	30.1	1.8	Sm. inc.	Sm. inc.	High	Rare	Good	Good				1 31
bluejack oak	Quercus incana	NSL	Low	12.9	28.8	2.2	Sm. dec.	Sm. inc.	Medium	Rare	Very Poor	Fair		Infill +		1 32
post oak	Quercus stellata	WDH	High	10.6	26.9	2.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		1 33
swamp chestnut oak	Quercus michauxii	NSL	Low	11.7	22.8	1.9	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 34
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	11.7	21.8	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 35
water tupelo	Nyssa aquatica	NSH	Medium	11.7	20.6	1.7	Sm. inc.	No change	Low	Rare	Poor	Very Poor	Infill +			1 36
bald cypress	Taxodium distichum	NSH	Medium	7	19.6	2.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		1 37
willow oak	Quercus phellos	NSL	Low	5.9	18.1	3.1	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +		2 38
American holly	Ilex opaca	NSL	Medium	15.2	17.4	1.1	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 39
pecan	Carya illinoensis	NSH	Low	7	16.6	2.3	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor				0 40
common persimmon	Diospyros virginiana	NSL	Low	16.4	14.1	0.9	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				1 41
American beech	Fagus grandifolia	WDH	High	5.9	10.2	1.7	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +		2 42
American elm	Ulmus americana	WDH	Medium	9.4	9.8	1.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		2 43
sourwood	Oxydendrum arboreum	NDL	High	5.9	6.8	1.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				0 44
Carolina ash	Fraxinus caroliniana	NSL	FIA	2.3	5.3	2.2	Unknown	Unknown	NA	Rare	FIA Only	FIA Only				0 45
florida maple	Acer barbatum	NSL	Low	3.5	4.9	1.4	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor				0 46
eastern redcedar	Juniperus virginiana	WDH	Medium	2.3	3.9	1.7	No change	Sm. inc.	Medium	Rare	Poor	Fair		Infill +		2 47

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hackberry	Celtis occidentalis	WDH	Medium	1.2	3.0	2.6	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +		2	48
red mulberry	Morus rubra	NSL	Low	2.3	2.6	1.1	Sm. dec.	No change	Medium	Rare	Very Poor	Poor	Infill +		2	49
sassafras	Sassafras albidum	WSL	Low	3.5	2.6	0.7	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +		2	50
black oak	Quercus velutina	WDH	High	1.2	2.5	2.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	51
eastern redbud	Cercis canadensis	NSL	Low	3.5	2.4	0.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	52
water elm	Planera aquatica	NSL	Low	2.3	1.3	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	53
river birch	Betula nigra	NSL	Low	1.2	1.1	1.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++		2	54
Shumard oak	Quercus shumardii	NSL	Low	1.2	0.9	0.8	No change	No change	High	Rare	Fair	Fair			0	55
bitternut hickory	Carya cordiformis	WSL	Low	2.3	0.8	0.3	Lg. dec.	Very Lg. dec.	High	Rare	Poor	Lost			0	56
overcup oak	Quercus lyrata	NSL	Medium	1.2	0.7	0.6	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	57
waterlocust	Gleditsia aquatica	NSLX	FIA	1.2	0.6	0.5	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	58
water hickory	Carya aquatica	NSL	Medium	1.2	0.5	0.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	59
winged elm	Ulmus alata	WDL	Medium	1.2	0.4	0.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	60
wild plum	Prunus americana	NSLX	FIA	1.2	0.3	0.3	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	61
blackjack oak	Quercus marilandica	NSL	Medium	1.2	0.2	0.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	62
Atlantic white-cedar	Chamaecyparis thyoides	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	63
Table Mountain pine	Pinus pungens	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	64
Virginia pine	Pinus virginiana	NDH	High	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	65
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	66
silver maple	Acer saccharinum	NSH	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	67
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	68
pawpaw	Asimina triloba	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	69
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	70
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	71
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	Unknown	Medium	Absent	New Habitat	Unknown			3	72
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	73
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	74
white ash	Fraxinus americana	WDL	Medium	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown			0	75
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	76
silverbell	Halesia spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	77
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	78
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	79
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	80
Nuttall oak	Quercus texana	NSH	Medium	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown			0	81
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	82
American basswood	Tilia americana	WSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	83
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	84
slippery elm	Ulmus rubra	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	85