

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	75	2644.7	24.1	No change	No change	Medium	Abundant	Good	Good				1 1
loblolly pine	Pinus taeda	WDH	High	73.3	2051.3	21.0	No change	No change	Medium	Abundant	Good	Good				1 2
longleaf pine	Pinus palustris	NSH	Medium	40.9	795.0	13.1	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 3
swamp tupelo	Nyssa biflora	NDH	Medium	58.1	728.7	8.0	No change	No change	Low	Abundant	Fair	Fair				0 4
laurel oak	Quercus laurifolia	NDH	Medium	63.5	659.0	7.5	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 5
water oak	Quercus nigra	WDH	High	70.3	658.0	6.3	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good				1 6
sweetgum	Liquidambar styraciflua	WDH	High	55.5	462.0	6.1	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 7
sweetbay	Magnolia virginiana	NSL	Medium	55.7	424.9	5.2	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 8
sand pine	Pinus clausa	NDH	High	8.8	392.8	26.5	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +		0 9
yellow-poplar	Liriodendron tulipifera	WDH	High	26.5	276.9	5.7	Sm. dec.	Sm. dec.	High	Common	Fair	Fair				1 10
red maple	Acer rubrum	WDH	High	49.3	265.4	3.0	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 11
shortleaf pine	Pinus echinata	WDH	High	15.5	252.0	12.0	No change	Sm. inc.	Medium	Common	Fair	Good				1 12
live oak	Quercus virginiana	NDH	High	43.8	218.8	3.9	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 13
pond pine	Pinus serotina	NSH	Medium	17.3	184.2	8.8	Sm. dec.	Sm. dec.	Low	Common	Poor	Poor				0 14
black cherry	Prunus serotina	WDL	Medium	31.6	148.1	3.8	Lg. inc.	Lg. inc.	Low	Common	Good	Good				1 15
pond cypress	Taxodium ascendens	NSH	Medium	21.7	139.4	4.4	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good				1 16
blackgum	Nyssa sylvatica	WDL	Medium	38.6	116.3	2.2	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good				1 17
loblolly-bay	Gordonia lasianthus	NSH	Medium	13.2	68.6	3.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good				1 18
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	4.2	68.5	16.8	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor				1 19
turkey oak	Quercus laevis	NSH	Medium	16.4	67.4	2.6	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++		1 20
spruce pine	Pinus glabra	NSL	Low	16.8	67.3	3.8	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor				0 21
bald cypress	Taxodium distichum	NSH	Medium	7	62.2	1.9	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +		2 22
southern red oak	Quercus falcata	WDL	Medium	12.7	59.2	1.5	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++		1 23
southern magnolia	Magnolia grandiflora	NSL	Low	19.8	49.9	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 24
flowering dogwood	Cornus florida	WDL	Medium	17.1	44.3	1.9	No change	No change	Medium	Rare	Poor	Poor				1 25
white oak	Quercus alba	WDH	Medium	7.6	43.2	3.6	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +		1 26
green ash	Fraxinus pennsylvanica	WSH	Low	11.5	42.6	3.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 27
water tupelo	Nyssa aquatica	NSH	Medium	14.1	40.8	1.8	No change	No change	Low	Rare	Very Poor	Very Poor				0 28
redbay	Persea borbonia	NSL	Low	24.2	39.5	1.1	Sm. inc.	Sm. inc.	High	Rare	Good	Good				1 29
pignut hickory	Carya glabra	WDL	Medium	10.1	36.2	2.5	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair				1 30
black willow	Salix nigra	NSH	Low	5.7	36.1	1.6	No change	No change	Low	Rare	Very Poor	Very Poor				0 31
post oak	Quercus stellata	WDH	High	8.2	31.5	2.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		1 32
common persimmon	Diospyros virginiana	NSL	Low	15.4	26.8	0.7	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				1 33
mockernut hickory	Carya alba	WDL	Medium	13.4	26.3	1.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good				1 34
bluejack oak	Quercus incana	NSL	Low	12.7	26.2	2.1	No change	Lg. inc.	Medium	Rare	Poor	Good	Infill +	Infill ++		1 35
cabbage palmetto	Sabal palmetto	NDH	Medium	5.9	24.6	3.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				0 36
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	12.1	23.7	1.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				1 37
pecan	Carya illinoensis	NSH	Low	6.7	21.0	2.4	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor				0 38
swamp chestnut oak	Quercus michauxii	NSL	Low	11.1	20.8	1.8	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 39
American holly	Ilex opaca	NSL	Medium	15.8	19.4	1.0	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 40
willow oak	Quercus phellos	NSL	Low	3.5	15.1	2.8	Sm. dec.	No change	Medium	Rare	Very Poor	Poor			Infill +	2 41
Atlantic white-cedar	Chamaecyparis thyoides	NSH	Low	2.3	13.6	2.0	No change	No change	Low	Rare	Very Poor	Very Poor				2 42
American beech	Fagus grandifolia	WDH	High	4.7	8.8	1.5	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +		2 43
eastern redcedar	Juniperus virginiana	WDH	Medium	2.9	7.2	2.1	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +		2 44
Carolina ash	Fraxinus caroliniana	NSL	FIA	4.7	6.0	1.2	Unknown	Unknown	NA	Rare	FIA Only	FIA Only				0 45
sourwood	Oxydendrum arboreum	NDL	High	4.4	5.8	0.9	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor				0 46
sassafras	Sassafras albidum	WSL	Low	4.3	3.4	0.5	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +		1 47

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American elm	Ulmus americana	WDH	Medium	5.4	3.4	0.5	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	48
florida maple	Acer barbatum	NSL	Low	2.2	3.4	1.0	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	49
eastern redbud	Cercis canadensis	NSL	Low	4.2	2.9	0.7	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	50
river birch	Betula nigra	NSL	Low	3.2	2.9	0.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	51
hackberry	Celtis occidentalis	WDH	Medium	1.1	2.6	2.6	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor		Infill +	2	52
red mulberry	Morus rubra	NSL	Low	2.1	2.3	1.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	53
black oak	Quercus velutina	WDH	High	1.1	2.1	2.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	54
water elm	Planera aquatica	NSL	Low	0.1	0.8	0.1	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	55
Shumard oak	Quercus shumardii	NSL	Low	0.8	0.8	0.6	No change	No change	High	Rare	Fair	Fair			0	56
wild plum	Prunus americana	NSLX	FIA	1.5	0.7	0.2	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	57
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	0.1	0.6	0.1	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	58
overcup oak	Quercus lyrata	NSL	Medium	1.1	0.6	0.6	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	59
waterlocust	Gleditsia aquatica	NSLX	FIA	1.1	0.5	0.5	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	60
water hickory	Carya aquatica	NSL	Medium	1.1	0.4	0.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	61
bitternut hickory	Carya cordiformis	WSL	Low	0.6	0.3	0.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	62
blackjack oak	Quercus marilandica	NSL	Medium	1.1	0.2	0.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	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	New Habitat	Medium	Absent	New Habitat	New Habitat			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
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	80
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	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
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	84
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	85
slippery elm	Ulmus rubra	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	86