

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	91.7	2928.8	31.9	No change	No change	Medium	Abundant	Good	Good			1	1
sweetgum	Liquidambar styraciflua	WDH	High	95.4	1143.8	12.1	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	2
white oak	Quercus alba	WDH	Medium	87.2	914.2	10.7	Lg. dec.	Lg. dec.	High	Abundant	Good	Good			1	3
yellow-poplar	Liriodendron tulipifera	WDH	High	80	720.5	8.6	Lg. dec.	Lg. dec.	High	Abundant	Good	Good			1	4
red maple	Acer rubrum	WDH	High	82.2	513.1	5.9	Sm. inc.	Sm. inc.	High	Abundant	Very Good	Very Good			1	5
Virginia pine	Pinus virginiana	NDH	High	38.9	287.7	7.1	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	6
American holly	Ilex opaca	NSL	Medium	76.5	264.7	3.5	Sm. dec.	No change	Medium	Common	Poor	Fair			1	7
American beech	Fagus grandifolia	WDH	High	44.4	227.9	4.9	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	8
southern red oak	Quercus falcata	WDH	Medium	65.9	219.8	3.2	Sm. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	9
scarlet oak	Quercus coccinea	WDL	Medium	57.9	210.3	3.9	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	10
mockernut hickory	Carya alba	WDL	Medium	52.2	209.8	3.9	No change	Sm. inc.	High	Common	Good	Very Good			1	11
blackgum	Nyssa sylvatica	WDL	Medium	73.6	181.0	2.6	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	12
black oak	Quercus velutina	WDH	High	56.6	142.3	2.6	No change	No change	Medium	Common	Fair	Fair			1	13
green ash	Fraxinus pennsylvanica	WSH	Low	31.7	121.9	3.7	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	14
swamp tupelo	Nyssa biflora	NDH	Medium	20.6	120.7	4.9	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	15
willow oak	Quercus phellos	NSL	Low	44.9	116.9	2.5	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	16
pignut hickory	Carya glabra	WDL	Medium	48.7	107.7	2.2	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	17
northern red oak	Quercus rubra	WDH	Medium	38.9	96.2	2.7	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	18
eastern redcedar	Juniperus virginiana	WDH	Medium	47.5	92.6	1.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	19
chestnut oak	Quercus prinus	NDH	High	19	82.2	5.8	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	20
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	37.6	81.3	2.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	21
river birch	Betula nigra	NSL	Low	19.9	70.8	3.4	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	22
water tupelo	Nyssa aquatica	NSH	Medium	3.6	69.4	19.0	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	2	23
winged elm	Ulmus alata	WDL	Medium	32.8	57.3	1.7	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	24
slippery elm	Ulmus rubra	WSL	Low	17.3	55.6	3.0	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	25
water oak	Quercus nigra	WDH	High	23.7	48.9	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	26
black cherry	Prunus serotina	WDL	Medium	26.1	46.8	1.7	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	27
flowering dogwood	Cornus florida	WDL	Medium	41.5	46.2	1.1	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	28
white ash	Fraxinus americana	WDL	Medium	13.1	44.6	3.3	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	29
bald cypress	Taxodium distichum	NSH	Medium	2.2	35.0	12.7	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	30
post oak	Quercus stellata	WDH	High	28.5	33.8	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	31
black walnut	Juglans nigra	WDH	Low	12.7	32.1	2.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	32
shortleaf pine	Pinus echinata	WDH	High	14.3	30.5	3.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	33
American elm	Ulmus americana	WDH	Medium	18.7	25.2	1.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	34
hackberry	Celtis occidentalis	WDH	Medium	9.5	22.5	2.3	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	35
swamp chestnut oak	Quercus michauxii	NSL	Low	8.2	22.5	2.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	36
bitternut hickory	Carya cordiformis	WSL	Low	8.3	20.1	2.4	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	37
pawpaw	Asimina triloba	NSL	Low	6.8	20.0	2.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	38
black locust	Robinia pseudoacacia	NDH	Low	11.9	19.4	1.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	39
boxelder	Acer negundo	WSH	Low	8.3	17.4	2.0	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	1	40
pin oak	Quercus palustris	NSH	Low	7.1	15.4	2.1	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	41
sassafras	Sassafras albidum	WSL	Low	17.8	15.2	1.1	Very Lg. dec.	Lg. dec.	Medium	Rare	Lost	Very Poor			0	42
shagbark hickory	Carya ovata	WSL	Medium	5.9	11.6	1.9	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	43
common persimmon	Diospyros virginiana	NSL	Low	9.5	11.3	1.2	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	44
sourwood	Oxydendrum arboreum	NDL	High	11.9	11.1	0.9	Lg. inc.	No change	High	Rare	Good	Fair			1	45
sycamore	Platanus occidentalis	NSL	Low	3.6	10.3	2.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	46
sweetbay	Magnolia virginiana	NSL	Medium	4.8	9.8	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	47

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bigtooth aspen	Populus grandidentata	NSL	Medium	5.9	9.3	1.5	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 48
eastern cottonwood	Populus deltoides	NSH	Low	1.1	8.7	6.9	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor				0 49
pumpkin ash	Fraxinus profunda	NSH	FIA	1	6.4	4.5	Unknown	Unknown	NA	Rare	FIA Only	FIA Only				0 50
eastern redbud	Cercis canadensis	NSL	Low	7.1	6.0	0.8	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost				0 51
ailanthus	Ailanthus altissima	NSL	FIA	2.4	5.0	2.1	Unknown	Unknown	NA	Rare	NNIS	NNIS				0 52
white mulberry	Morus alba	NSL	FIA	2.4	4.3	1.8	Unknown	Unknown	NA	Rare	NNIS	NNIS				0 53
florida maple	Acer barbatum	NSL	Low	3.6	2.9	0.8	No change	No change	High	Rare	Fair	Fair		Infill +		2 54
pond pine	Pinus serotina	NSH	Medium	2.4	2.6	1.1	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost				0 55
yellow birch	Betula alleghaniensis	NDL	High	1.2	2.5	2.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 56
Carolina ash	Fraxinus caroliniana	NSL	FIA	0.8	2.1	1.2	Unknown	Unknown	NA	Rare	FIA Only	FIA Only				0 57
overcup oak	Quercus lyrata	NSL	Medium	2.4	2.0	0.8	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +		2 58
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	3.6	1.6	0.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		2 59
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	1.2	1.5	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good				2 60
sugar maple	Acer saccharum	WDH	High	1.2	1.1	0.9	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost				0 61
honeylocust	Gleditsia triacanthos	NSH	Low	2.4	1.1	0.4	Sm. dec.	No change	High	Rare	Poor	Fair		Infill +		2 62
sweet birch	Betula lenta	NDH	High	2.4	1.0	0.4	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor				0 63
blackjack oak	Quercus marilandica	NSL	Medium	1.2	1.0	0.8	Very Lg. dec.	Lg. inc.	High	Rare	Lost	Good				2 64
redbay	Persea borbonia	NSL	Low	1.2	0.8	0.6	Lg. inc.	Lg. inc.	High	Rare	Good	Good				2 65
red mulberry	Morus rubra	NSL	Low	1.2	0.7	0.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost				0 66
paulownia	Paulownia tomentosa	NSL	FIA	1.2	0.6	0.5	Unknown	Unknown	NA	Rare	NNIS	NNIS				0 67
laurel oak	Quercus laurifolia	NDH	Medium	1.2	0.3	0.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good				2 68
slash pine	Pinus elliottii	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			Migrate ++	3 69
longleaf pine	Pinus palustris	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 70
yellow buckeye	Aesculus flava	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown				0 71
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 72
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat				0 73
water hickory	Carya aquatica	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			Migrate +	3 74
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			Migrate +	3 75
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				0 76
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 77
black ash	Fraxinus nigra	WSH	Medium	0	0	0	Unknown	New Habitat	Low	Absent	Unknown	New Habitat				3 78
loblolly-bay	Gordonia lasianthus	NSH	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 79
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 80
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 81
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown				0 82
water elm	Planera aquatica	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 83
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 84
shingle oak	Quercus imbricaria	NDH	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 85
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	Unknown	Unknown	High	Modeled	Unknown	Unknown				0 86
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 87
bluejack oak	Quercus incana	NSL	Low	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			Migrate +	3 88
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +		3 89
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				0 90