

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
red maple	Acer rubrum	WDH	High	55.9	559.3	19.4	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	1
pitch pine	Pinus rigida	NSH	High	21.6	282.1	24.2	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	2
sweetgum	Liquidambar styraciflua	WDH	High	18.4	188.0	21.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	3
white ash	Fraxinus americana	WDL	Medium	32.3	181.7	13.1	Sm. dec.	Lg. dec.	Low	Common	Poor	Very Poor			0	4
black oak	Quercus velutina	WDH	High	35.2	164.8	10.1	Sm. inc.	No change	Medium	Common	Good	Fair			1	5
yellow-poplar	Liriodendron tulipifera	WDH	High	25.6	159.5	14.0	Sm. inc.	No change	High	Common	Very Good	Good			1	6
white oak	Quercus alba	WDH	Medium	50.1	155.0	8.3	Sm. inc.	No change	High	Common	Very Good	Good			1	7
blackgum	Nyssa sylvatica	WDL	Medium	42.4	151.4	8.8	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	8
black cherry	Prunus serotina	WDL	Medium	51.8	132.9	13.5	No change	No change	Low	Common	Poor	Poor			0	9
chestnut oak	Quercus prinus	NDH	High	32	132.8	9.4	No change	Lg. dec.	High	Common	Good	Fair			1	10
northern red oak	Quercus rubra	WDH	Medium	43.9	97.4	7.3	No change	No change	High	Common	Good	Good			1	11
sassafras	Sassafras albidum	WSL	Low	26.7	90.0	5.2	Sm. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	12
pin oak	Quercus palustris	NSH	Low	13.6	88.0	15.2	Sm. dec.	Lg. dec.	Low	Common	Poor	Very Poor	Infill +		0	13
black locust	Robinia pseudoacacia	NDH	Low	19.4	88.0	14.7	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	14
scarlet oak	Quercus coccinea	WDL	Medium	38	86.5	6.8	No change	Sm. dec.	Medium	Common	Fair	Poor			1	15
flowering dogwood	Cornus florida	WDL	Medium	11.8	61.9	13.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor		Infill +	0	16
green ash	Fraxinus pennsylvanica	WSH	Low	3.6	57.4	16.2	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	2	17
eastern redcedar	Juniperus virginiana	WDH	Medium	28.8	54.1	6.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	18
sweet birch	Betula lenta	NDH	High	30.2	51.5	7.1	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	19
American elm	Ulmus americana	WDH	Medium	18.9	45.7	7.0	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	20
eastern white pine	Pinus strobus	WDH	High	18.6	36.6	11.8	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	21
American beech	Fagus grandifolia	WDH	High	20.8	35.4	5.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	22
sugar maple	Acer saccharum	WDH	High	17.8	30.3	6.5	Lg. inc.	Sm. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	23
black walnut	Juglans nigra	WDH	Low	14.6	23.7	5.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	24
swamp white oak	Quercus bicolor	NSL	Low	3.6	19.8	5.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	25
ailanthus	Ailanthus altissima	NSL	FIA	14.2	17.3	10.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	26
shagbark hickory	Carya ovata	WSL	Medium	10.7	14.3	6.7	Sm. inc.	No change	Medium	Rare	Fair	Poor	Infill +	Infill +	1	27
mockernut hickory	Carya alba	WDL	Medium	18.2	13.6	2.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	28
bigtooth aspen	Populus grandidentata	NSL	Medium	10.1	11.9	5.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	29
sycamore	Platanus occidentalis	NSL	Low	1.2	11.7	9.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	30
pignut hickory	Carya glabra	WDL	Medium	19.2	11.7	4.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	31
shortleaf pine	Pinus echinata	WDH	High	2.3	11.7	4.9	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	32
slippery elm	Ulmus rubra	WSL	Low	8.3	8.3	1.9	No change	No change	Medium	Rare	Poor	Poor		Infill +	2	33
American holly	Ilex opaca	NSL	Medium	2.2	7.5	12.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	34
Norway maple	Acer platanoides	NSL	FIA	15.1	7.3	3.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	35
river birch	Betula nigra	NSL	Low	10.7	4.8	3.1	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	36
gray birch	Betula populifolia	NSL	Low	9.5	4.2	2.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	37
black willow	Salix nigra	NSH	Low	1.2	4.1	3.5	Sm. dec.	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	2	38
sweetbay	Magnolia virginiana	NSL	Medium	5.9	4.0	1.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	39
boxelder	Acer negundo	WSH	Low	9.5	3.9	6.6	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	40
American basswood	Tilia americana	WSL	Medium	1.2	3.1	2.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	41
Virginia pine	Pinus virginiana	NDH	High	1.2	2.4	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	42
Osage-orange	Maclura pomifera	NDH	Medium	1.2	2.4	2.0	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	43
white mulberry	Morus alba	NSL	FIA	4.7	2.1	7.3	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	44
bitternut hickory	Carya cordiformis	WSL	Low	11.6	1.8	1.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	45
bear oak; scrub oak	Quercus ilicifolia	NSLX	FIA	7.1	1.7	0.7	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	46
striped maple	Acer pensylvanicum	NSL	Medium	1.2	1.0	0.8	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	47

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post oak	Quercus stellata	WDH	High	8.6	0.8	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good				2 48
quaking aspen	Populus tremuloides	WDH	High	4.7	0.8	2.5	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 49
silver maple	Acer saccharinum	NSH	Low	4.7	0.6	2.0	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		2 50
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	9.5	0.3	0.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++		2 51
Norway spruce	Picea abies	NSH	FIA	4.7	0.3	1.0	Unknown	Unknown	NA	Rare	NNIS	NNIS				0 52
eastern hemlock	Tsuga canadensis	NSH	High	4.7	0.2	0.7	Lg. inc.	Sm. inc.	Low	Rare	Fair	Poor	Infill +			2 53
serviceberry	Amelanchier spp.	NSL	Low	4.7	0.2	0.6	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor				0 54
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	4.7	0.2	0.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++		2 55
yellow birch	Betula alleghaniensis	NDL	High	4.7	0.1	0.4	Sm. inc.	Lg. dec.	Medium	Rare	Fair	Very Poor	Infill +			2 56
slash pine	Pinus elliotii	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				0 57
longleaf pine	Pinus palustris	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				0 58
pond pine	Pinus serotina	NSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate ++	Migrate +		3 59
loblolly pine	Pinus taeda	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++		3 60
bald cypress	Taxodium distichum	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 61
florida maple	Acer barbatum	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat				3 62
pawpaw	Asimina triloba	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown				0 63
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat				0 64
water hickory	Carya aquatica	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat				3 65
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				3 66
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				0 67
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 68
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 69
black ash	Fraxinus nigra	WSH	Medium	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown				0 70
loblolly-bay	Gordonia lasianthus	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				3 71
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown				0 72
water tupelo	Nyssa aquatica	NSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate +		3 73
swamp tupelo	Nyssa biflora	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate ++		3 74
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 75
redbay	Persea borbonia	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 76
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +		3 77
southern red oak	Quercus falcata	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++		3 78
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +		3 79
turkey oak	Quercus laevis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat				3 80
laurel oak	Quercus laurifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++		3 81
overcup oak	Quercus lyrata	NSL	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat				3 82
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +		3 83
swamp chestnut oak	Quercus michauxii	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 84
water oak	Quercus nigra	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++		3 85
willow oak	Quercus phellos	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 86
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat				0 87
bluejack oak	Quercus incana	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown				0 88
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3 89