



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
bur oak	Quercus macrocarpa	NDH	Medium	11.1	39.3	31.0	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	1
green ash	Fraxinus pennsylvanica	WSH	Low	17.3	37.9	23.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	2
eastern redcedar	Juniperus virginiana	WDH	Medium	11.7	28.1	28.9	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	3
American elm	Ulmus americana	WDH	Medium	14.7	22.5	17.0	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	4
eastern cottonwood	Populus deltoides	NSH	Low	7	20.6	31.4	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	5
boxelder	Acer negundo	WSH	Low	8	16.1	20.2	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	6
red mulberry	Morus rubra	NSL	Low	9.4	15.2	18.1	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	7
hackberry	Celtis occidentalis	WDH	Medium	8.8	15.1	14.2	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	8
quaking aspen	Populus tremuloides	WDH	High	0.8	13.1	34.0	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	9
Siberian elm	Ulmus pumila	NDH	FIA	5.7	13.0	29.1	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	10
American basswood	Tilia americana	WSL	Medium	2	6.1	10.0	No change	No change	Medium	Rare	Poor	Poor			0	11
honeylocust	Gleditsia triacanthos	NSH	Low	3.5	5.1	16.2	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	12
black walnut	Juglans nigra	WDH	Low	2.6	3.2	7.9	No change	No change	Medium	Rare	Poor	Poor			0	13
black willow	Salix nigra	NSH	Low	1.4	3.0	33.3	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			2	14
peachleaf willow	Salix amygdaloides	NSLX	FIA	1.1	2.5	21.7	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	15
balsam poplar	Populus balsamifera	NSH	Medium	0.3	2.2	7.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	16
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	2.4	2.2	6.4	No change	No change	High	Rare	Fair	Fair			0	17
slippery elm	Ulmus rubra	WSL	Low	3.1	1.9	4.8	No change	No change	Medium	Rare	Poor	Poor			0	18
black locust	Robinia pseudoacacia	NDH	Low	0.4	1.7	41.6	No change	Lg. inc.	Medium	Rare	Poor	Good			0	19
silver maple	Acer saccharinum	NSH	Low	1.1	1.6	17.0	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	20
bitternut hickory	Carya cordiformis	WSL	Low	1.2	1.5	4.7	No change	Sm. dec.	High	Rare	Fair	Poor			0	21
Osage-orange	Maclura pomifera	NDH	Medium	1.2	1.0	8.1	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	22
chokecherry	Prunus virginiana	NSLX	FIA	1.8	1.0	4.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	23
red pine	Pinus resinosa	NSH	Medium	0.2	0.9	51.2	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	24
white mulberry	Morus alba	NSL	FIA	0.1	0.7	78.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	25
northern red oak	Quercus rubra	WDH	Medium	0.5	0.5	4.4	No change	No change	High	Rare	Fair	Fair			0	26
Scots pine	Pinus sylvestris	NSH	FIA	0.3	0.5	26.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	27
jack pine	Pinus banksiana	NSH	Medium	0.3	0.5	25.1	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	28
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0.5	0.4	9.4	No change	No change	Medium	Rare	Poor	Poor			0	29
sycamore	Platanus occidentalis	NSL	Low	0.2	0.3	8.5	No change	No change	Medium	Rare	Poor	Poor			0	30
white ash	Fraxinus americana	WDL	Medium	0.1	0.3	4.4	No change	No change	Low	Rare	Very Poor	Very Poor			2	31
black oak	Quercus velutina	WDH	High	0.4	0.2	6.0	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	32
white spruce	Picea glauca	NSL	Medium	0.1	0.2	18.0	No change	Sm. dec.	Medium	Rare	Poor	Very Poor			0	33
northern catalpa	Catalpa speciosa	NSHX	FIA	0.3	0.2	8.7	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	34
Kentucky coffeetree	Gymnocladus dioicus	NSLX	FIA	0.4	0.2	3.9	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	35
wild plum	Prunus americana	NSLX	FIA	0.2	0.2	7.5	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	36
sugar maple	Acer saccharum	WDH	High	0.1	0.1	8.4	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	37
serviceberry	Amelanchier spp.	NSL	Low	0.4	0.1	0.5	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	38
eastern redbud	Cercis canadensis	NSL	Low	0.1	0.1	4.6	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good			0	39
pawpaw	Asimina triloba	NSL	Low	0.1	0.1	3.5	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	40
pin cherry	Prunus pensylvanica	NSL	Low	0.2	0.1	0.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	41
black cherry	Prunus serotina	WDL	Medium	0.2	0.1	2.5	Sm. inc.	Sm. inc.	Low	Rare	Poor	Poor	Infill +	Infill +	2	42
overcup oak	Quercus lyrata	NSL	Medium	0.1	0.0	3.3	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			0	43
shagbark hickory	Carya ovata	WSL	Medium	0.1	0.0	1.8	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good			0	44
paper birch	Betula papyrifera	WDH	High	0.1	0.0	0.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			0	45
balsam fir	Abies balsamea	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	46
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	NA	Absent	New Habitat	New Habitat			0	47

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shortleaf pine	Pinus echinata	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	48
longleaf pine	Pinus palustris	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	49
eastern white pine	Pinus strobus	WDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	50
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	51
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	52
red maple	Acer rubrum	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	53
mountain maple	Acer spicatum	NSL	Low	0	0	0	New Habitat	Unknown	High	Absent	New Habitat	Unknown			0	54
yellow buckeye	Aesculus flava	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	55
yellow birch	Betula alleghaniensis	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	56
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	57
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	58
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	59
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	60
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	61
flowering dogwood	Cornus florida	WDL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	62
black ash	Fraxinus nigra	WSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	63
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	64
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	65
southern magnolia	Magnolia grandiflora	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	66
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	67
redbay	Persea borbonia	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	68
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	69
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	70
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	71
northern pin oak	Quercus ellipsoidalis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	72
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	73
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat			0	74
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	75
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	76
American mountain-ash	Sorbus americana	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	77
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			2	78