

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
black cherry	Prunus serotina	WDL	Medium	59.2	203.7	21.3	Sm. dec.	Lg. dec.	Low	Common	Poor	Very Poor	Infill +		2	1
boxelder	Acer negundo	WDH	Low	41.7	146.6	15.2	Sm. dec.	Lg. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	2
white oak	Quercus alba	WDH	Medium	41	133.8	13.4	Sm. dec.	Lg. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	3
American elm	Ulmus americana	WDH	Medium	39.8	130.5	8.3	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	2	4
black oak	Quercus velutina	WDH	High	20.5	101.4	9.6	No change	Sm. dec.	Medium	Common	Fair	Poor	Infill +	Infill +	2	5
bur oak	Quercus macrocarpa	NDH	Medium	44.3	92.7	17.5	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	6
shagbark hickory	Carya ovata	WSL	Medium	27.6	88.8	9.2	Sm. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	2	7
black walnut	Juglans nigra	WDH	Low	25.1	82.3	10.7	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	2	8
green ash	Fraxinus pennsylvanica	WDH	Low	43.9	72.4	9.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	2	9
white ash	Fraxinus americana	WDL	Medium	29.5	64.6	5.5	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	2	10
hackberry	Celtis occidentalis	WDH	Medium	11.3	51.6	17.9	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			2	11
eastern cottonwood	Populus deltoides	NSH	Low	22.4	46.7	13.3	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	12
northern red oak	Quercus rubra	WDH	Medium	30.3	40.4	7.0	Sm. inc.	No change	High	Rare	Good	Fair	Infill ++	Infill +	2	13
Osage-orange	Maclura pomifera	NDH	Medium	0.8	37.7	30.4	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	14
yellow-poplar	Liriodendron tulipifera	WDH	High	0.8	28.5	23.0	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	15
American basswood	Tilia americana	WSL	Medium	20.9	27.7	10.0	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	16
silver maple	Acer saccharinum	NSH	Low	16.7	27.1	17.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	17
red maple	Acer rubrum	WDH	High	4.7	25.9	8.3	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	18
sassafras	Sassafras albidum	WSL	Low	3.8	24.3	3.7	No change	Sm. dec.	Medium	Rare	Poor	Very Poor	Infill +		2	19
northern pin oak	Quercus ellipsoidalis	NSH	Medium	4.2	23.2	12.8	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	20
pignut hickory	Carya glabra	WDL	Medium	4.2	20.2	9.2	No change	Sm. dec.	Medium	Rare	Poor	Very Poor	Infill +		2	21
slippery elm	Ulmus rubra	WSL	Low	9.1	19.7	3.4	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	22
quaking aspen	Populus tremuloides	WDH	High	1.6	19.0	7.6	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	23
black willow	Salix nigra	NSH	Low	8.3	16.1	5.0	No change	No change	Low	Rare	Very Poor	Very Poor			2	24
honeylocust	Gleditsia triacanthos	NSH	Low	12.6	13.5	10.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	25
white mulberry	Morus alba	NSL	FIA	19.9	12.8	4.5	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	26
mockernut hickory	Carya alba	WDL	Medium	0.8	12.0	9.7	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	2	27
sugar maple	Acer saccharum	WDH	High	4.2	11.8	3.3	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	28
swamp white oak	Quercus bicolor	NSL	Low	16.7	9.1	5.8	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	29
pin oak	Quercus palustris	NSH	Low	4.1	8.2	4.8	No change	No change	Low	Rare	Very Poor	Very Poor			2	30
red mulberry	Morus rubra	NSL	Low	7.5	7.0	5.3	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	31
bitternut hickory	Carya cordiformis	WSL	Low	4.9	5.9	2.0	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	32
black ash	Fraxinus nigra	WSH	Medium	2.6	5.7	14.2	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	33
blackgum	Nyssa sylvatica	WDL	Medium	0.5	4.7	2.1	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor		Infill +	2	34
Scots pine	Pinus sylvestris	NSH	FIA	4.2	4.1	4.6	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	35
black maple	Acer nigrum	NSH	Low	6.7	3.9	6.3	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	36
Norway spruce	Picea abies	NSH	FIA	0.8	3.7	3.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	37
red pine	Pinus resinosa	NSH	Medium	5	3.6	4.4	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	38
jack pine	Pinus banksiana	NSH	Medium	2.4	2.8	6.5	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	39
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	9.3	2.2	2.0	Lg. inc.	Sm. inc.	High	Rare	Good	Good			2	40
bigtooth aspen	Populus grandidentata	NSL	Medium	3.3	1.9	6.0	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	41
balsam poplar	Populus balsamifera	NSH	Medium	3.3	1.4	4.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	42
white spruce	Picea glauca	NSL	Medium	2.4	1.4	3.2	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	43
ailanthus	Ailanthus altissima	NSL	FIA	0.7	1.2	0.9	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	44
serviceberry	Amelanchier spp.	NSL	Low	3.3	1.1	3.4	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	45
sycamore	Platanus occidentalis	NSL	Low	3.3	1.0	3.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	46
eastern white pine	Pinus strobus	WDH	High	2.4	0.7	1.6	No change	No change	Low	Rare	Very Poor	Very Poor			0	47

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blue ash	Fraxinus quadrangulata	NSL	Low	3.3	0.6	1.9	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	48
chokecherry	Prunus virginiana	NSLX	FIA	3.3	0.4	1.4	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	49
black locust	Robinia pseudoacacia	NDH	Low	3.3	0.4	1.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	50
Norway maple	Acer platanoides	NSL	FIA	2.4	0.2	0.4	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	51
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	52
slash pine	Pinus elliottii	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	53
loblolly pine	Pinus taeda	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	54
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	55
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	56
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	57
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	58
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	59
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	60
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	61
shingle oak	Quercus imbricaria	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	62
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	63
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	64
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	65
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	66
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	67