

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	68.2	854.8	13.4	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair	Infill +	Infill +	0	1
boxelder	Acer negundo	WDH	Low	63.5	719.0	14.1	Sm. dec.	Sm. dec.	High	Abundant	Good	Good	Infill ++	Infill ++	1	2
American elm	Ulmus americana	WSH	Medium	65.9	530.6	9.8	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good	Infill ++	Infill ++	1	3
bur oak	Quercus macrocarpa	NDH	Medium	49.4	528.0	12.4	No change	No change	High	Abundant	Very Good	Very Good	Infill ++	Infill ++	1	4
white oak	Quercus alba	WDH	Medium	42.4	409.1	9.9	Sm. inc.	Sm. dec.	High	Common	Very Good	Fair	Infill ++	Infill +	1	5
black walnut	Juglans nigra	WDH	Low	34.1	387.3	10.2	Sm. inc.	No change	Medium	Common	Good	Fair	Infill ++	Infill +	1	6
black oak	Quercus velutina	WDH	High	32.9	313.1	8.6	No change	Sm. inc.	Medium	Common	Fair	Good	Infill +	Infill ++	1	7
northern red oak	Quercus rubra	WDH	Medium	37.6	304.3	9.4	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	1	8
shagbark hickory	Carya ovata	WSL	Medium	45.9	303.4	8.3	No change	Sm. dec.	Medium	Common	Fair	Poor	Infill +	Infill +	1	9
eastern white pine	Pinus strobus	WDH	High	27.1	300.8	17.1	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	10
eastern redcedar	Juniperus virginiana	WDH	Medium	12.9	283.8	17.5	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good	Infill ++	Infill ++	1	11
black locust	Robinia pseudoacacia	NDH	Low	10.6	232.0	17.5	Sm. dec.	No change	Medium	Common	Poor	Fair	Infill +	Infill +	1	12
white ash	Fraxinus americana	WDL	Medium	15.3	185.1	9.7	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair	Infill +	Infill +	1	13
slippery elm	Ulmus rubra	WSL	Low	47.1	158.8	4.1	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	14
American basswood	Tilia americana	WSL	Medium	28.2	157.9	6.5	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	15
red pine	Pinus resinosa	NSH	Medium	17.6	156.3	12.9	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	16
northern pin oak	Quercus ellipsoidalis	NSH	Medium	35.3	146.5	6.1	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	17
quaking aspen	Populus tremuloides	WDH	High	27.1	145.8	8.2	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	18
silver maple	Acer saccharinum	NSH	Low	18.8	139.3	10.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	19
bitternut hickory	Carya cordiformis	WSL	Low	17.6	130.8	5.9	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	20
red mulberry	Morus rubra	NSL	Low	35.3	125.0	4.2	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	21
hackberry	Celtis occidentalis	WDH	Medium	23.5	114.4	4.6	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	22
bigtooth aspen	Populus grandidentata	NSL	Medium	14.1	114.4	6.5	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +		0	23
green ash	Fraxinus pennsylvanica	WSH	Low	27.1	110.4	6.4	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	24
red maple	Acer rubrum	WDH	High	15.3	109.2	8.0	No change	Sm. dec.	High	Common	Good	Fair	Infill ++	Infill +	1	25
black ash	Fraxinus nigra	WSH	Medium	16.5	66.5	6.2	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	26
sugar maple	Acer saccharum	WDH	High	9.4	62.4	5.3	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	2	27
Siberian elm	Ulmus pumila	NDH	FIA	4.7	49.5	8.4	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	28
balsam fir	Abies balsamea	NDH	High	1.2	49.0	33.3	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	29
white mulberry	Morus alba	NSL	FIA	4.7	48.0	8.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	30
butternut	Juglans cinerea	NSLX	FIA	4.7	44.5	7.6	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	31
black willow	Salix nigra	NSH	Low	3.5	41.1	9.3	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			2	32
Scots pine	Pinus sylvestris	NSH	FIA	2.4	32.2	11.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	33
paper birch	Betula papyrifera	WDH	High	5.9	31.4	4.3	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	34
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	10.6	25.2	1.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	35
swamp white oak	Quercus bicolor	NSL	Low	9.4	24.0	3.7	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	36
white spruce	Picea glauca	NSL	Medium	5.9	7.6	6.6	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	37
chokecherry	Prunus virginiana	NSLX	FIA	2.4	6.2	2.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	38
yellow birch	Betula alleghaniensis	NDL	High	1.2	6.0	4.1	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	39
serviceberry	Amelanchier spp.	NSL	Low	3.5	5.8	1.3	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	40
northern white-cedar	Thuja occidentalis	WSH	High	4.7	4.5	12.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	41
jack pine	Pinus banksiana	NSH	Medium	1.2	4.0	2.7	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	42
Norway spruce	Picea abies	NSH	FIA	4.7	3.1	8.4	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	43
eastern cottonwood	Populus deltoides	NSH	Low	10.6	2.9	1.5	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	44
river birch	Betula nigra	NSL	Low	1.2	1.3	0.9	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	45
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	5.9	1.2	1.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	46
peachleaf willow	Salix amygdaloides	NSLX	FIA	1.2	1.1	0.8	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	47

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pignut hickory	<i>Carya glabra</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	48
black hickory	<i>Carya texana</i>	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	49
mockernut hickory	<i>Carya alba</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	50
sugarberry	<i>Celtis laevigata</i>	NDH	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	51
eastern redbud	<i>Cercis canadensis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	52
American beech	<i>Fagus grandifolia</i>	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	53
honeylocust	<i>Gleditsia triacanthos</i>	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	54
yellow-poplar	<i>Liriodendron tulipifera</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	55
Osage-orange	<i>Maclura pomifera</i>	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	56
sycamore	<i>Platanus occidentalis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	57
pin cherry	<i>Prunus pensylvanica</i>	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	58
shingle oak	<i>Quercus imbricaria</i>	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	59
blackjack oak	<i>Quercus marilandica</i>	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	60
chinkapin oak	<i>Quercus muehlenbergii</i>	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	61
pin oak	<i>Quercus palustris</i>	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate +	3	62
Shumard oak	<i>Quercus shumardii</i>	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	63
post oak	<i>Quercus stellata</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	64
sassafras	<i>Sassafras albidum</i>	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	65
winged elm	<i>Ulmus alata</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	66