

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	85.3	577.1	19.8	Sm. dec.	Lg. dec.	Low	Abundant	Fair	Poor			0	1
red maple	Acer rubrum	WDH	High	60.8	412.7	16.3	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	2
sugar maple	Acer saccharum	WDH	High	53.2	310.1	12.2	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	3
American elm	Ulmus americana	WDH	Medium	78.7	261.3	7.9	No change	Sm. inc.	Medium	Common	Fair	Good			1	4
green ash	Fraxinus pennsylvanica	WSH	Low	43.9	245.5	12.4	No change	No change	Medium	Common	Fair	Fair			1	5
sassafras	Sassafras albidum	WSL	Low	43.4	224.7	10.3	Sm. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	6
silver maple	Acer saccharinum	NSH	Low	17.4	223.1	23.5	Sm. inc.	No change	High	Common	Very Good	Good			1	7
black oak	Quercus velutina	WDH	High	48.5	200.2	9.7	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	8
slippery elm	Ulmus rubra	WSL	Low	33.6	170.8	14.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	9
American basswood	Tilia americana	WSL	Medium	39.5	163.0	11.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	10
Siberian elm	Ulmus pumila	NDH	FIA	3.7	159.4	41.7	Unknown	Unknown	NA	Common	NNIS	NNIS			0	11
yellow-poplar	Liriodendron tulipifera	WDH	High	22.4	135.0	13.2	Sm. dec.	Lg. dec.	High	Common	Fair	Fair	Infill +	Infill +	1	12
northern red oak	Quercus rubra	WDH	Medium	42.2	122.0	8.5	No change	No change	High	Common	Good	Good			1	13
black willow	Salix nigra	NSH	Low	13.7	119.8	19.7	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	14
black walnut	Juglans nigra	WDH	Low	43.5	106.3	9.3	No change	Sm. inc.	Medium	Common	Fair	Good			1	15
white ash	Fraxinus americana	WDL	Medium	27.3	100.1	8.7	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	16
eastern cottonwood	Populus deltoides	NSH	Low	20.2	67.3	8.3	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good	Infill ++	Infill ++	1	17
bigtooth aspen	Populus grandidentata	NSL	Medium	17.4	60.5	10.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	18
white oak	Quercus alba	WDH	Medium	28.5	58.1	5.2	Lg. inc.	Sm. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	19
red pine	Pinus resinosa	NSH	Medium	12.1	54.6	15.3	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	20
bitternut hickory	Carya cordiformis	WSL	Low	28.6	46.3	4.1	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	1	21
pin oak	Quercus palustris	NSH	Low	17.4	40.1	9.3	Sm. inc.	Sm. inc.	Low	Rare	Poor	Poor	Infill +	Infill +	1	22
red mulberry	Morus rubra	NSL	Low	34.8	32.4	3.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	23
black ash	Fraxinus nigra	WSH	Medium	12.8	30.7	6.2	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	24
American beech	Fagus grandifolia	WDH	High	26.1	30.6	4.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	25
boxelder	Acer negundo	WSH	Low	18.6	27.5	6.4	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	26
pignut hickory	Carya glabra	WDL	Medium	26.1	24.5	4.0	Sm. inc.	No change	Medium	Rare	Fair	Poor	Infill +		1	27
blackgum	Nyssa sylvatica	WDL	Medium	15.7	23.5	3.9	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	1	28
hackberry	Celtis occidentalis	WDH	Medium	26.1	20.5	3.4	Sm. inc.	Sm. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	29
Scots pine	Pinus sylvestris	NSH	FIA	11.2	16.8	5.6	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	30
northern catalpa	Catalpa speciosa	NSHX	FIA	6.2	15.4	10.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	31
swamp white oak	Quercus bicolor	NSL	Low	1.2	11.3	8.9	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	32
white mulberry	Morus alba	NSL	FIA	18.6	11.0	3.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	33
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	21.1	10.3	4.1	Lg. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +		1	34
sycamore	Platanus occidentalis	NSL	Low	21.5	9.0	2.9	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +	Infill ++	2	35
northern pin oak	Quercus ellipsoidalis	NSH	Medium	1.2	8.3	6.5	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	36
black locust	Robinia pseudoacacia	NDH	Low	19.9	6.6	5.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	37
black maple	Acer nigrum	NSH	Low	2.5	6.0	2.4	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	38
shagbark hickory	Carya ovata	WSL	Medium	22.4	5.8	1.6	Lg. inc.	Sm. inc.	Medium	Rare	Good	Fair	Infill ++	Infill +	2	39
bur oak	Quercus macrocarpa	NDH	Medium	19.9	5.1	4.0	Sm. inc.	Lg. inc.	High	Rare	Good	Good		Infill ++	2	40
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	11.6	5.0	0.8	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	41
eastern redcedar	Juniperus virginiana	WDH	Medium	2.5	4.0	1.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	42
jack pine	Pinus banksiana	NSH	Medium	5	3.6	11.4	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	43
honeylocust	Gleditsia triacanthos	NSH	Low	1.2	2.3	1.8	Lg. dec.	Very Lg. dec.	High	Rare	Poor	Lost			0	44
eastern white pine	Pinus strobus	WDH	High	5	2.2	6.8	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	45
Ohio buckeye	Aesculus glabra	NSL	Low	6.2	1.8	1.1	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	46
yellow birch	Betula alleghaniensis	NDL	High	1.2	1.8	1.4	Very Lg. dec.	Sm. dec.	Medium	Rare	Lost	Very Poor			0	47

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flowering dogwood	Cornus florida	WDL	Medium	6.2	1.8	0.8	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	48
serviceberry	Amelanchier spp.	NSL	Low	5	1.6	4.9	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	49
pawpaw	Asimina triloba	NSL	Low	6.2	1.5	1.0	Very Lg. dec.	Lg. dec.	Medium	Rare	Lost	Very Poor			0	50
quaking aspen	Populus tremuloides	WDH	High	5	1.2	3.8	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	51
butternut	Juglans cinerea	NSLX	FIA	5	1.0	3.2	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	52
blue ash	Fraxinus quadrangulata	NSL	Low	5	0.4	1.3	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	53
pecan	Carya illinoensis	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	54
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	55
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	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		Migrate +	3	57
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	58
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	59
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	60
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	61
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	62
pin cherry	Prunus pensylvanica	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	63
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate ++	3	64
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	65
bluejack oak	Quercus incana	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	66
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	67