

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	88.4	2575.3	26.1	Sm. dec.	Lg. dec.	High	Abundant	Good	Good			1	1
black cherry	Prunus serotina	WDL	Medium	75.1	997.2	11.7	No change	Sm. dec.	Low	Abundant	Fair	Fair			0	2
sugar maple	Acer saccharum	WDL	High	60.8	993.0	14.1	No change	No change	High	Abundant	Very Good	Very Good			1	3
eastern hemlock	Tsuga canadensis	NSH	High	44.4	686.8	13.7	Lg. dec.	Lg. dec.	Low	Abundant	Poor	Poor			0	4
quaking aspen	Populus tremuloides	WDH	High	39.2	652.6	14.1	Lg. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	5
white ash	Fraxinus americana	WDL	Medium	64.6	610.1	8.6	Sm. inc.	No change	Low	Abundant	Good	Fair			1	6
American beech	Fagus grandifolia	WDH	High	55.5	440.3	7.1	No change	Sm. dec.	Medium	Common	Fair	Poor			1	7
northern red oak	Quercus rubra	WDH	Medium	36.1	329.5	7.9	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	8
black willow	Salix nigra	NSH	Low	9.7	261.0	23.7	Lg. dec.	Sm. dec.	Low	Common	Very Poor	Poor			0	9
American elm	Ulmus americana	WDH	Medium	42.2	235.3	4.8	Sm. inc.	Lg. inc.	Medium	Common	Good	Very Good			1	10
yellow-poplar	Liriodendron tulipifera	WDH	High	22.4	187.3	7.3	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	11
shagbark hickory	Carya ovata	WSL	Medium	19.2	187.2	8.3	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	12
yellow birch	Betula alleghaniensis	NDL	High	30.3	173.3	5.0	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	13
green ash	Fraxinus pennsylvanica	WSH	Low	13.8	120.5	7.0	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	14
bigtooth aspen	Populus grandidentata	NSL	Medium	14.3	114.4	7.8	Sm. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	15
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	25.1	112.2	3.9	Lg. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	16
American basswood	Tilia americana	WSL	Medium	22.8	110.7	4.2	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	17
bitternut hickory	Carya cordiformis	WSL	Low	19.4	105.2	4.8	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	18
Norway spruce	Picea abies	NSH	FIA	3.6	96.0	23.3	Unknown	Unknown	NA	Common	NNIS	NNIS			0	19
silver maple	Acer saccharinum	NSH	Low	4.5	91.5	15.5	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	1	20
Scots pine	Pinus sylvestris	NSH	FIA	7.7	70.3	8.5	Unknown	Unknown	NA	Common	NNIS	NNIS			0	21
black ash	Fraxinus nigra	WSH	Medium	2.4	69.2	25.2	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	22
eastern white pine	Pinus strobus	WDH	High	10.6	63.1	4.9	Lg. inc.	Sm. inc.	Low	Common	Good	Fair			1	23
swamp white oak	Quercus bicolor	NSL	Low	3.6	59.1	14.3	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	24
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	18.2	56.6	2.7	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	25
blackgum	Nyssa sylvatica	WDL	Medium	13	47.6	3.8	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	26
pignut hickory	Carya glabra	WDL	Medium	7.3	41.8	5.1	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	27
white oak	Quercus alba	WDH	Medium	10.9	41.4	3.3	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	28
black locust	Robinia pseudoacacia	NDH	Low	3.6	35.7	8.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	29
cucumbertree	Magnolia acuminata	NSL	Low	16.9	29.4	1.7	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	30
serviceberry	Amelanchier spp.	NSL	Low	8.5	23.9	2.5	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	31
chestnut oak	Quercus prinus	NDH	High	6	21.0	4.4	Sm. inc.	Sm. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	32
chokecherry	Prunus virginiana	NSLX	FIA	2.4	20.8	7.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	33
sassafras	Sassafras albidum	WSL	Low	3.6	17.7	4.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	34
sweet birch	Betula lenta	NDH	High	4.9	14.8	2.7	No change	No change	Low	Rare	Very Poor	Very Poor			2	35
pin cherry	Prunus pensylvanica	NSL	Low	4.8	14.4	2.6	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	36
white spruce	Picea glauca	NSL	Medium	1.2	12.5	9.1	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	37
slippery elm	Ulmus rubra	WSL	Low	4.9	12.3	2.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	38
bur oak	Quercus macrocarpa	NDH	Medium	1.2	8.8	6.4	No change	Sm. dec.	High	Rare	Fair	Poor		Infill +	2	39
black walnut	Juglans nigra	WDH	Low	1.2	5.2	3.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	40
black oak	Quercus velutina	WDH	High	1.2	3.6	2.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	41
red pine	Pinus resinosa	NSH	Medium	1.2	3.3	2.4	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	42
eastern cottonwood	Populus deltoides	NSH	Low	1.2	2.0	1.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	43
gray birch	Betula populifolia	NSL	Low	1.2	1.9	1.4	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	44
flowering dogwood	Cornus florida	WDL	Medium	1.2	1.9	1.4	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair		Infill +	2	45
sourwood	Oxydendrum arboreum	NDL	High	1.2	1.2	0.9	No change	Sm. inc.	High	Rare	Fair	Good			2	46
striped maple	Acer pensylvanicum	NSL	Medium	1.2	0.5	0.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	47

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balsam fir	Abies balsamea	NDH	High	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown			0	48
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	49
jack pine	Pinus banksiana	NSH	Medium	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	50
shortleaf pine	Pinus echinata	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	51
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	52
florida maple	Acer barbatum	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	53
boxelder	Acer negundo	WSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	54
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	55
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	56
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	57
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	58
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	59
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	60
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	61
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	62
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	63
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	64
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	65
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	66
red mulberry	Morus rubra	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	67
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	68
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	69
southern red oak	Quercus falcata	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	70
shingle oak	Quercus imbricaria	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	71
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	72
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	73
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	74
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate ++	3	75
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	76
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	77
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	78