

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
balsam fir	Abies balsamea	NDH	High	96	2303.4	15.7	Sm. dec.	Lg. dec.	Low	Abundant	Fair	Poor			0	1
red maple	Acer rubrum	WDH	High	96.3	1699.6	11.9	Sm. inc.	No change	High	Abundant	Very Good	Very Good			1	2
red spruce	Picea rubens	NDH	High	73.4	1128.9	10.0	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	3
sugar maple	Acer saccharum	WDH	High	72.5	746.2	6.3	Sm. inc.	Sm. inc.	High	Abundant	Very Good	Very Good			1	4
paper birch	Betula papyrifera	WDH	High	92.6	732.7	5.1	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	5
yellow birch	Betula alleghaniensis	NDL	High	86.1	717.1	5.1	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	6
northern white-cedar	Thuja occidentalis	WSH	High	64.7	698.6	7.0	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	7
eastern white pine	Pinus strobus	WDH	High	61.6	682.5	6.9	Sm. inc.	Sm. inc.	Low	Abundant	Good	Good			1	8
eastern hemlock	Tsuga canadensis	NSH	High	53.9	575.1	6.8	Sm. inc.	Sm. inc.	Low	Abundant	Good	Good			1	9
American beech	Fagus grandifolia	WDH	High	67.5	544.7	5.1	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			1	10
quaking aspen	Populus tremuloides	WDH	High	59	400.2	5.0	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	11
white ash	Fraxinus americana	WDL	Medium	55.3	369.7	3.9	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	12
northern red oak	Quercus rubra	WDH	Medium	28.9	251.6	4.3	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	13
bigtooth aspen	Populus grandidentata	NSL	Medium	35.3	204.0	3.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	14
white spruce	Picea glauca	NSL	Medium	45.6	169.0	2.1	No change	Sm. inc.	Medium	Common	Fair	Good			1	15
black spruce	Picea mariana	NSH	High	16.7	149.9	6.0	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	16
black ash	Fraxinus nigra	WSH	Medium	28.3	123.5	3.2	No change	No change	Low	Common	Poor	Poor			0	17
gray birch	Betula populifolia	NSL	Low	35.2	119.3	2.3	No change	No change	Medium	Common	Fair	Fair			1	18
striped maple	Acer pensylvanicum	NSL	Medium	52.5	112.7	1.3	No change	Sm. dec.	Medium	Common	Fair	Poor			1	19
black cherry	Prunus serotina	WDL	Medium	25.7	84.9	2.2	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	20
American elm	Ulmus americana	WDH	Medium	16.7	81.0	3.0	No change	Sm. inc.	Medium	Common	Fair	Good	Infill +	Infill ++	1	21
red pine	Pinus resinosa	NSH	Medium	9.1	80.7	7.0	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	22
tamarack (native)	Larix laricina	NSH	High	13.2	64.6	2.2	No change	Sm. inc.	Low	Common	Poor	Fair	Infill +	Infill +	1	23
pin cherry	Prunus pensylvanica	NSL	Low	20	61.2	1.9	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	24
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	28.4	57.4	1.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	25
green ash	Fraxinus pennsylvanica	WSH	Low	5.2	26.1	3.0	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +		1	26
American basswood	Tilia americana	WSL	Medium	13.4	19.9	1.2	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good			1	27
balsam poplar	Populus balsamifera	NSH	Medium	6.7	18.8	1.5	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	28
American mountain-ash	Sorbus americana	NSL	Low	9	12.6	0.6	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	29
mountain maple	Acer spicatum	NSL	Low	11	8.4	0.5	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	30
silver maple	Acer saccharinum	NSH	Low	0.7	8.3	12.7	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +		2	31
American chestnut	Castanea dentata	NSLX	FIA	0.7	3.6	5.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	32
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	2	3.3	1.1	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +		2	33
serviceberry	Amelanchier spp.	NSL	Low	3.1	2.6	0.8	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +		1	34
butternut	Juglans cinerea	NSLX	FIA	0.8	2.4	0.7	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	35
bur oak	Quercus macrocarpa	NDH	Medium	0.7	1.4	2.1	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	36
boxelder	Acer negundo	WSH	Low	0.6	1.1	1.6	Sm. dec.	Lg. inc.	High	Rare	Poor	Good			2	37
white oak	Quercus alba	WDH	Medium	0.8	0.7	0.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	38
chokecherry	Prunus virginiana	NSLX	FIA	0.7	0.5	0.2	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	39
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	40
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	41
yellow buckeye	Aesculus flava	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	42
sweet birch	Betula lenta	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	43
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	44
bitternut hickory	Carya cordiformis	WSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +		3	45
pignut hickory	Carya glabra	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	46
pecan	Carya illinoensis	NSH	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	47

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shagbark hickory	<i>Carya ovata</i>	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	48
mockernut hickory	<i>Carya alba</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	49
flowering dogwood	<i>Cornus florida</i>	WDL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	50
black walnut	<i>Juglans nigra</i>	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	51
sweetgum	<i>Liquidambar styraciflua</i>	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	52
yellow-poplar	<i>Liriodendron tulipifera</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	53
blackgum	<i>Nyssa sylvatica</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	54
redbay	<i>Persea borbonia</i>	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	55
sycamore	<i>Platanus occidentalis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	56
swamp white oak	<i>Quercus bicolor</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	57
scarlet oak	<i>Quercus coccinea</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	58
northern pin oak	<i>Quercus ellipsoidalis</i>	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	59
pin oak	<i>Quercus palustris</i>	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	60
chestnut oak	<i>Quercus prinus</i>	NDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	61
post oak	<i>Quercus stellata</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	62
black oak	<i>Quercus velutina</i>	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	63
black locust	<i>Robinia pseudoacacia</i>	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	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