

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
northern white-cedar	Thuja occidentalis	WSH	High	58.8	26.6	9.2	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	1
paper birch	Betula papyrifera	WDH	High	59.9	24.8	8.7	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	2
sugar maple	Acer saccharum	WDH	High	36.6	19.4	3.3	No change	No change	High	Rare	Fair	Fair			1	3
red maple	Acer rubrum	WDH	High	19.1	15.6	1.5	Sm. inc.	Sm. inc.	High	Rare	Good	Good			1	4
white spruce	Picea glauca	NSL	Medium	63.9	14.9	4.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	5
yellow birch	Betula alleghaniensis	NDL	High	36.4	14.8	7.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	6
quaking aspen	Populus tremuloides	WDH	High	33.5	11.1	6.1	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	7
balsam fir	Abies balsamea	NDH	High	43.7	10.6	2.1	No change	No change	Low	Rare	Very Poor	Very Poor			0	8
black spruce	Picea mariana	NSH	High	49.4	9.0	3.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	9
eastern white pine	Pinus strobus	WDH	High	13.6	2.3	1.4	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	10
American beech	Fagus grandifolia	WDH	High	2.5	1.9	3.4	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	11
eastern hemlock	Tsuga canadensis	NSH	High	4.4	1.4	0.4	Sm. inc.	Sm. inc.	Low	Rare	Poor	Poor	Infill +	Infill +	2	12
jack pine	Pinus banksiana	NSH	Medium	6.6	1.3	1.8	No change	Sm. inc.	High	Rare	Fair	Good	Infill +	Infill ++	1	13
bigtooth aspen	Populus grandidentata	NSL	Medium	0.6	1.2	0.5	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	14
black ash	Fraxinus nigra	WSH	Medium	21.6	0.9	0.9	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	15
red pine	Pinus resinosa	NSH	Medium	0.6	0.4	0.2	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	16
American basswood	Tilia americana	WSL	Medium	3.2	0.4	0.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	17
pin cherry	Prunus pensylvanica	NSL	Low	13.7	0.2	0.4	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	18
striped maple	Acer pensylvanicum	NSL	Medium	1.4	0.2	0.0	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	19
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	2.5	0.2	0.3	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	20
balsam poplar	Populus balsamifera	NSH	Medium	8.8	0.1	0.3	Sm. inc.	No change	Medium	Rare	Fair	Poor	Infill +		1	21
mountain maple	Acer spicatum	NSL	Low	2.2	0.0	0.0	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	22
American mountain-ash	Sorbus americana	NSL	Low	8	0.0	0.2	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	23
serviceberry	Amelanchier spp.	NSL	Low	0.8	0.0	0.0	No change	No change	Medium	Rare	Poor	Poor		Infill +	2	24
green ash	Fraxinus pennsylvanica	WSH	Low	0.8	0.0	0.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	25
chokecherry	Prunus virginiana	NSLX	FIA	0.7	0.0	0.0	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	26
black cherry	Prunus serotina	WDL	Medium	0.8	0.0	0	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	27
northern red oak	Quercus rubra	WDH	Medium	0.7	0.0	0.0	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	28
American elm	Ulmus americana	WDH	Medium	0.7	0.0	0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	29
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	30
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	31
tamarack (native)	Larix laricina	NSH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	32
boxelder	Acer negundo	WSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	33
silver maple	Acer saccharinum	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	34
sweet birch	Betula lenta	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	35
bitternut hickory	Carya cordiformis	WSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	36
pignut hickory	Carya glabra	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	37
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	38
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	39
white ash	Fraxinus americana	WDL	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	40
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	41
yellow-poplar	Liriodendron tulipifera	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	42
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	43
blackgum	Nyssa sylvatica	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	44
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	45
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	46
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	47

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scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	48
northern pin oak	Quercus ellipsoidal	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	49
bur oak	Quercus macrocarpa	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	50
chestnut oak	Quercus prinus	NDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	51
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	52
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	53
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	54
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	55
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	56
sassafras	Sassafras albidum	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	57
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	58
slippery elm	Ulmus rubra	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	59