

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
quaking aspen	Populus tremuloides	WDH	High	88.5	854.1	18.1	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	1
black spruce	Picea mariana	NSH	High	86.3	809.6	17.3	Lg. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	2
balsam fir	Abies balsamea	NDH	High	85	459.6	9.8	Lg. dec.	Sm. dec.	Low	Common	Very Poor	Poor			0	3
tamarack (native)	Larix laricina	NSH	High	68.6	447.6	12.3	No change	No change	Low	Common	Poor	Poor			0	4
paper birch	Betula papyrifera	WDH	High	89.2	341.3	7.0	No change	Sm. dec.	Medium	Common	Fair	Poor			1	5
northern white-cedar	Thuja occidentalis	WSH	High	49.3	278.5	11.4	No change	No change	Medium	Common	Fair	Fair			1	6
black ash	Fraxinus nigra	WSH	Medium	64.6	243.0	7.5	Sm. inc.	No change	Low	Common	Fair	Poor			1	7
jack pine	Pinus banksiana	NSH	Medium	43	214.9	10.1	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	8
balsam poplar	Populus balsamifera	NSH	Medium	56	181.3	6.1	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	9
red maple	Acer rubrum	WDH	High	52.7	141.5	4.9	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	10
red pine	Pinus resinosa	NSH	Medium	32.8	120.1	7.1	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	11
white spruce	Picea glauca	NSL	Medium	67.3	111.4	3.1	No change	No change	Medium	Common	Fair	Fair			1	12
eastern white pine	Pinus strobus	WDH	High	32.2	79.5	5.1	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	13
bigtooth aspen	Populus grandidentata	NSL	Medium	21.8	30.5	2.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	14
American basswood	Tilia americana	WSL	Medium	13	24.1	3.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	15
bur oak	Quercus macrocarpa	NDH	Medium	13.3	24.1	1.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	16
American elm	Ulmus americana	WDH	Medium	30	20.8	1.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	17
sugar maple	Acer saccharum	WDH	High	8.7	18.5	3.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	18
green ash	Fraxinus pennsylvanica	WSH	Low	18.6	17.2	2.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	19
mountain maple	Acer spicatum	NSL	Low	29.4	16.0	0.9	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	20
yellow birch	Betula alleghaniensis	NDL	High	5.7	7.6	1.2	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	1	21
northern red oak	Quercus rubra	WDH	Medium	10.9	6.7	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	22
chokecherry	Prunus virginiana	NSLX	FIA	18.6	5.8	0.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	23
peachleaf willow	Salix amygdaloides	NSLX	FIA	4.6	5.1	2.0	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	24
boxelder	Acer negundo	WSH	Low	5.9	4.4	2.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	25
serviceberry	Amelanchier spp.	NSL	Low	16	3.5	0.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	26
northern pin oak	Quercus ellipsoidalis	NSH	Medium	3.9	2.6	1.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	27
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	2.1	1.7	1.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	28
pin cherry	Prunus pensylvanica	NSL	Low	7.9	1.3	0.3	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	29
silver maple	Acer saccharinum	NSH	Low	0.3	0.7	4.7	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	30
American mountain-ash	Sorbus americana	NSL	Low	2.5	0.6	0.3	Lg. dec.	Very Lg. dec.	Low	Rare	Very Poor	Lost			0	31
black willow	Salix nigra	NSH	Low	1.4	0.5	0.5	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair		Infill +	2	32
black cherry	Prunus serotina	WDL	Medium	1.9	0.4	0.3	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	33
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	0.3	0.1	0.6	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good			2	34
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	35
eastern hemlock	Tsuga canadensis	NSH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	36
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	37
yellow buckeye	Aesculus flava	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	38
sweet birch	Betula lenta	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	39
bitternut hickory	Carya cordiformis	WSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	40
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	41
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	42
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	43
American beech	Fagus grandifolia	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	44
white ash	Fraxinus americana	WDL	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	45
blue ash	Fraxinus quadrangulata	NSL	Low	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown			0	46
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			2	47

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American holly	Ilex opaca	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	48
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	49
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	50
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	51
red mulberry	Morus rubra	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	52
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	53
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	54
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	55
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	56
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	57
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	58
slippery elm	Ulmus rubra	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	59