

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	78.3	1820.8	13.9	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	1
sugar maple	Acer saccharum	WDH	High	59.9	1626.7	18.1	No change	No change	High	Abundant	Very Good	Very Good			1	2
paper birch	Betula papyrifera	WDH	High	76.5	1456.2	10.8	Sm. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	3
balsam fir	Abies balsamea	NDH	High	88.8	1426.8	9.6	Lg. dec.	Lg. dec.	Low	Abundant	Poor	Poor			0	4
red maple	Acer rubrum	WDH	High	65	1092.8	11.0	Sm. inc.	Sm. inc.	High	Abundant	Very Good	Very Good			1	5
northern white-cedar	Thuja occidentalis	WSH	High	61.9	886.3	8.6	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	6
white spruce	Picea glauca	NSL	Medium	78.4	687.6	4.9	Sm. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	7
black spruce	Picea mariana	NSH	High	49.2	606.7	9.2	Lg. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	8
yellow birch	Betula alleghaniensis	NDL	High	53.2	487.8	5.6	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	9
eastern hemlock	Tsuga canadensis	NSH	High	28.8	413.9	10.6	Sm. inc.	No change	Low	Common	Fair	Poor	Infill +	Infill +	1	10
black ash	Fraxinus nigra	WSH	Medium	39.8	266.6	3.8	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	11
jack pine	Pinus banksiana	NSH	Medium	21.3	251.3	9.2	No change	No change	High	Common	Good	Good			1	12
eastern white pine	Pinus strobus	WDH	High	28	204.7	4.0	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	13
red pine	Pinus resinosa	NSH	Medium	18.3	186.5	8.4	Sm. inc.	Lg. inc.	Low	Common	Fair	Good			1	14
white ash	Fraxinus americana	WDL	Medium	18.4	151.0	5.2	Lg. inc.	Lg. inc.	Low	Common	Good	Good	Infill ++	Infill ++	1	15
northern red oak	Quercus rubra	WDH	Medium	24.6	147.2	3.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	16
American basswood	Tilia americana	WSL	Medium	24	121.1	3.8	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	17
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	28.9	96.3	2.5	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	18
mountain maple	Acer spicatum	NSL	Low	36.9	87.9	1.4	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	19
tamarack (native)	Larix laricina	NSH	High	14.8	74.0	5.0	Lg. inc.	Lg. inc.	Low	Common	Good	Good	Infill ++	Infill ++	1	20
bigtooth aspen	Populus grandidentata	NSL	Medium	9.1	36.8	2.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	21
balsam poplar	Populus balsamifera	NSH	Medium	9.4	34.3	2.1	No change	Sm. dec.	Medium	Rare	Poor	Very Poor	Infill +		1	22
American elm	Ulmus americana	WDH	Medium	11	33.4	2.5	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	23
chokecherry	Prunus virginiana	NSLX	FIA	12.4	27.8	2.0	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	24
serviceberry	Amelanchier spp.	NSL	Low	13.8	24.9	1.6	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	25
American mountain-ash	Sorbus americana	NSL	Low	19.1	20.7	0.8	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	26
pin cherry	Prunus pensylvanica	NSL	Low	19.1	19.9	0.7	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	27
black cherry	Prunus serotina	WDL	Medium	11.1	15.2	1.1	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	1	28
green ash	Fraxinus pennsylvanica	WSH	Low	4.7	12.0	1.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	29
black willow	Salix nigra	NSH	Low	1.2	6.4	5.1	No change	Sm. inc.	Low	Rare	Very Poor	Poor		Infill +	2	30
peachleaf willow	Salix amygdaloides	NSLX	FIA	1.7	4.6	1.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	31
slippery elm	Ulmus rubra	WSL	Low	0.9	3.6	2.2	No change	Sm. inc.	Medium	Rare	Poor	Fair		Infill +	2	32
boxelder	Acer negundo	WSH	Low	1.2	1.2	0.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	33
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	1.2	0.3	0.2	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	34
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	35
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	36
red spruce	Picea rubens	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	37
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	New Habitat	Unknown	Medium	Absent	New Habitat	Unknown			3	38
silver maple	Acer saccharinum	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	39
sweet birch	Betula lenta	NDH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	40
bitternut hickory	Carya cordiformis	WSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	41
pignut hickory	Carya glabra	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	42
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	43
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	44
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	45
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	46
flowering dogwood	Cornus florida	WDL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	47

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American beech	Fagus grandifolia	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	48
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	49
yellow-poplar	Liriodendron tulipifera	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	50
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	51
blackgum	Nyssa sylvatica	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	52
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	53
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	54
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	55
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	56
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	57
northern pin oak	Quercus ellipsoidalis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	58
bur oak	Quercus macrocarpa	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	59
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	60
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	61
chestnut oak	Quercus prinus	NDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	62
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	63
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	64
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	65
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	66
sassafras	Sassafras albidum	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	67
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	68