



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	92.1	929.7	13.4	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	1
red maple	Acer rubrum	WDH	High	93.8	767.0	11.1	Sm. inc.	No change	High	Abundant	Very Good	Very Good			1	2
red spruce	Picea rubens	NDH	High	88.1	663.9	9.8	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	3
eastern white pine	Pinus strobus	WDH	High	81.8	502.4	8.5	Sm. inc.	No change	Low	Abundant	Good	Fair			1	4
eastern hemlock	Tsuga canadensis	NSH	High	56	410.6	10.1	No change	Sm. dec.	Low	Common	Poor	Poor			0	5
northern white-cedar	Thuja occidentalis	WSH	High	59.9	348.3	8.2	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	6
paper birch	Betula papyrifera	WDH	High	82.3	295.7	4.3	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	7
northern red oak	Quercus rubra	WDH	Medium	35.7	212.3	8.0	Lg. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	8
American beech	Fagus grandifolia	WDH	High	43.5	190.0	5.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	9
black spruce	Picea mariana	NSH	High	29.6	179.8	8.5	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	10
yellow birch	Betula alleghaniensis	NDL	High	64.6	161.7	3.2	No change	No change	Medium	Common	Fair	Fair			1	11
white spruce	Picea glauca	NSL	Medium	46.9	145.0	3.7	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	12
quaking aspen	Populus tremuloides	WDH	High	45.3	138.3	3.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	13
tamarack (native)	Larix laricina	NSH	High	33.3	123.2	5.7	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	14
gray birch	Betula populifolia	NSL	Low	54.9	115.1	3.1	No change	No change	Medium	Common	Fair	Fair			1	15
bigtooth aspen	Populus grandidentata	NSL	Medium	38.3	97.2	3.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	16
sugar maple	Acer saccharum	WDH	High	30.1	83.0	3.5	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	17
white ash	Fraxinus americana	WDL	Medium	35.2	72.8	2.3	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	18
black cherry	Prunus serotina	WDL	Medium	15.8	41.2	2.9	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair			1	19
striped maple	Acer pensylvanicum	NSL	Medium	37.4	33.5	1.2	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	20
chokecherry	Prunus virginiana	NSLX	FIA	4.5	28.7	7.0	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	21
red pine	Pinus resinosa	NSH	Medium	13.1	26.8	3.3	Sm. inc.	No change	Low	Rare	Poor	Very Poor	Infill +		1	22
pin cherry	Prunus pensylvanica	NSL	Low	14.3	15.7	1.2	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	23
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	11.5	10.3	1.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	24
black ash	Fraxinus nigra	WSH	Medium	8.2	9.0	1.1	No change	No change	Low	Rare	Very Poor	Very Poor			0	25
American elm	Ulmus americana	WDH	Medium	7.1	7.3	0.9	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	26
mountain maple	Acer spicatum	NSL	Low	5.9	5.1	1.0	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	27
Scots pine	Pinus sylvestris	NSH	FIA	0.7	4.9	14.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	28
jack pine	Pinus banksiana	NSH	Medium	0.1	4.0	2.1	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	29
serviceberry	Amelanchier spp.	NSL	Low	9.2	4.0	0.6	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	30
white oak	Quercus alba	WDH	Medium	2.6	3.3	2.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	31
Norway spruce	Picea abies	NSH	FIA	1.8	3.2	2.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	32
green ash	Fraxinus pennsylvanica	WSH	Low	2.2	3.0	1.4	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	33
American mountain-ash	Sorbus americana	NSL	Low	4.6	3.0	0.7	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	34
balsam poplar	Populus balsamifera	NSH	Medium	0.7	1.3	0.9	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	35
American basswood	Tilia americana	WSL	Medium	1.9	1.0	0.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good		Infill ++	2	36
Norway maple	Acer platanoides	NSL	FIA	0.7	0.5	1.5	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	37
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	2	0.5	0.5	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	38
swamp white oak	Quercus bicolor	NSL	Low	0.7	0.4	1.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	39
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	40
pitch pine	Pinus rigida	NSH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	41
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			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
pignut hickory	Carya glabra	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	45
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	46
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	47

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hackberry	Celtis occidentalis	WDH	Medium	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat				0	48	
flowering dogwood	Cornus florida	WDL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat					0	49
American holly	Ilex opaca	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat					0	50
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +		3	51	
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					0	52
yellow-poplar	Liriodendron tulipifera	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat					3	53
cucumbertree	Magnolia acuminata	NSL	Low	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat					0	54
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown					0	55
blackgum	Nyssa sylvatica	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +			3	56
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					0	57
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++			3	58
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat					3	59
chestnut oak	Quercus prinus	NDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate ++			3	60
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat					0	61
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +			3	62
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +			3	63
sassafras	Sassafras albidum	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +			3	64