

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	93.9	2970.3	20.6	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	1	
black spruce	Picea mariana	NSH	High	88	1999.8	16.8	Lg. dec.	Lg. dec.	Medium	Abundant	Fair	Fair			0	2	
balsam fir	Abies balsamea	NDH	High	91.3	1337.5	10.0	Lg. dec.	Lg. dec.	Low	Abundant	Poor	Poor			0	3	
tamarack (native)	Larix laricina	NSH	High	75.2	1263.6	12.6	No change	No change	Low	Abundant	Fair	Fair			0	4	
paper birch	Betula papyrifera	WDH	High	94.1	1014.7	7.0	No change	Sm. dec.	Medium	Abundant	Good	Fair			1	5	
black ash	Fraxinus nigra	WSH	Medium	69.3	634.3	5.7	Sm. inc.	No change	Low	Abundant	Good	Fair			1	6	
red maple	Acer rubrum	WDH	High	81.1	535.2	4.1	Lg. inc.	Lg. inc.	High	Abundant	Very Good	Very Good			1	7	
northern white-cedar	Thuja occidentalis	WSH	High	44.4	391.2	5.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	8	
balsam poplar	Populus balsamifera	NSH	Medium	59.8	356.4	4.1	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	9	
red pine	Pinus resinosa	NSH	Medium	33	295.7	6.4	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	10	
sugar maple	Acer saccharum	WDH	High	33.1	275.1	4.6	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	11	
white spruce	Picea glauca	NSL	Medium	58.1	245.6	2.4	No change	Sm. inc.	Medium	Common	Fair	Good			1	12	
jack pine	Pinus banksiana	NSH	Medium	22.1	183.1	4.4	Lg. dec.	Lg. dec.	High	Common	Fair	Fair			1	13	
eastern white pine	Pinus strobus	WDH	High	25.1	132.7	2.6	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	14	
American basswood	Tilia americana	WSL	Medium	24.8	112.0	2.1	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	15	
bigtooth aspen	Populus grandidentata	NSL	Medium	23.1	83.4	1.7	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good			1	16	
yellow birch	Betula alleghaniensis	NDL	High	20.5	48.7	1.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	17	
green ash	Fraxinus pennsylvanica	WSH	Low	18	46.6	1.7	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	18	
northern red oak	Quercus rubra	WDH	Medium	14.4	43.5	1.4	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	19	
mountain maple	Acer spicatum	NSL	Low	32.1	37.6	0.6	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	20	
bur oak	Quercus macrocarpa	NDH	Medium	7.4	26.5	1.4	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	21	
American elm	Ulmus americana	WDH	Medium	15.5	21.1	0.9	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	22	
chokecherry	Prunus virginiana	NSLX	FIA	17.2	20.9	0.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	23	
boxelder	Acer negundo	WSH	Low	3.3	20.7	4.9	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	24	
black willow	Salix nigra	NSH	Low	19.2	18.9	0.9	Lg. dec.	Lg. inc.	Low	Rare	Very Poor	Fair			1	25	
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	13.3	15.2	0.5	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	26	
silver maple	Acer saccharinum	NSH	Low	3.1	12.4	4.0	Sm. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	27	
peachleaf willow	Salix amygdaloides	NSLX	FIA	11.3	11.8	0.5	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	28	
serviceberry	Amelanchier spp.	NSL	Low	14.5	9.5	0.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	29	
American mountain-ash	Sorbus americana	NSL	Low	7.1	4.9	0.4	Lg. dec.	Very Lg. dec.	Low	Rare	Very Poor	Lost			0	30	
Scots pine	Pinus sylvestris	NSH	FIA	2.1	4.2	2.0	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	31	
pin cherry	Prunus pensylvanica	NSL	Low	7.9	3.0	0.3	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	32	
black cherry	Prunus serotina	WDL	Medium	3.2	1.4	0.2	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	33	
wild plum	Prunus americana	NSLX	FIA	1	0.4	0.4	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	34	
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	0.2	0.3	0.0	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	35	
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	36	
eastern hemlock	Tsuga canadensis	NSH	High	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	37	
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	38	
Ohio buckeye	Aesculus glabra	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			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 +	Migrate +	3	41	
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			Migrate +	3	42
American beech	Fagus grandifolia	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			Migrate +	3	43
white ash	Fraxinus americana	WDL	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	44	
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			Migrate +	3	45
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	46	
red mulberry	Morus rubra	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			Migrate +	3	47

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eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	48
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	49
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	50
northern pin oak	Quercus ellipsoidalis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	51
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	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
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	54
slippery elm	Ulmus rubra	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	55