

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
red maple	Acer rubrum	WDH	High	96.4	2241.6	24.0	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			0	1
northern red oak	Quercus rubra	WDH	Medium	78.5	786.4	10.3	No change	Sm. dec.	High	Abundant	Very Good	Good			0	2
sweet birch	Betula lenta	NDH	High	74.9	720.6	9.4	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	3
eastern hemlock	Tsuga canadensis	NSH	High	50.9	664.4	12.8	Sm. dec.	Lg. dec.	Low	Abundant	Fair	Poor			0	4
white oak	Quercus alba	WDH	Medium	65.3	575.5	9.2	No change	No change	High	Abundant	Very Good	Very Good			2	5
eastern white pine	Pinus strobus	WDH	High	52.7	536.3	10.7	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	6
black oak	Quercus velutina	WDH	High	64	500.1	8.2	Sm. inc.	Sm. inc.	Medium	Abundant	Very Good	Very Good			2	7
white ash	Fraxinus americana	WDL	Medium	59.4	410.8	6.8	Sm. inc.	No change	Low	Common	Fair	Poor			0	8
sugar maple	Acer saccharum	WDH	High	57	387.7	6.7	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			0	9
eastern redcedar	Juniperus virginiana	WDH	Medium	21	271.7	12.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			2	10
black cherry	Prunus serotina	WDL	Medium	53.3	257.0	5.2	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			0	11
scarlet oak	Quercus coccinea	WDL	Medium	46.7	236.1	5.4	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			2	12
American beech	Fagus grandifolia	WDH	High	53.5	210.5	3.9	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			0	13
yellow birch	Betula alleghaniensis	NDL	High	46.2	205.0	4.4	No change	No change	Medium	Common	Fair	Fair			0	14
pignut hickory	Carya glabra	WDL	Medium	46.6	174.5	3.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			2	15
bigtooth aspen	Populus grandidentata	NSL	Medium	22.7	109.0	5.7	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	2	16
chestnut oak	Quercus prinus	NDH	High	22.2	107.0	4.8	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			2	17
shagbark hickory	Carya ovata	WSL	Medium	35.5	101.7	3.2	No change	No change	Medium	Common	Fair	Fair			2	18
American elm	Ulmus americana	WDH	Medium	23.9	100.2	4.8	No change	No change	Medium	Common	Fair	Fair			0	19
paper birch	Betula papyrifera	WDH	High	23.9	86.0	3.5	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +		2	20
yellow-poplar	Liriodendron tulipifera	WDH	High	14.1	70.5	5.4	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			2	21
silver maple	Acer saccharinum	NSH	Low	7.2	66.0	18.6	Sm. dec.	No change	High	Common	Fair	Good			0	22
black locust	Robinia pseudoacacia	NDH	Low	3.6	54.4	14.6	No change	Sm. inc.	Medium	Common	Fair	Good			2	23
mockernut hickory	Carya alba	WDL	Medium	15.4	49.9	3.1	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	24
quaking aspen	Populus tremuloides	WDH	High	7.2	45.6	6.1	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	25
sycamore	Platanus occidentalis	NSL	Low	2.4	44.9	18.1	No change	No change	Medium	Rare	Poor	Poor			2	26
sassafras	Sassafras albidum	WSL	Low	21.5	38.0	2.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	27
Norway spruce	Picea abies	NSH	FIA	4.8	35.0	7.1	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	28
bitternut hickory	Carya cordiformis	WSL	Low	9.6	30.5	3.1	No change	No change	High	Rare	Fair	Fair			2	29
blackgum	Nyssa sylvatica	WDL	Medium	13	30.5	2.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	30
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	15.5	26.0	1.6	Sm. dec.	Lg. inc.	Medium	Rare	Very Poor	Good			2	31
eastern cottonwood	Populus deltoides	NSH	Low	3.6	25.6	6.9	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	32
Norway maple	Acer platanoides	NSL	FIA	8.4	22.5	4.6	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	33
red pine	Pinus resinosa	NSH	Medium	6	16.3	7.4	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	34
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	13.1	15.1	1.1	No change	Lg. inc.	High	Rare	Fair	Good			2	35
swamp white oak	Quercus bicolor	NSL	Low	2.4	15.0	6.1	No change	No change	Medium	Rare	Poor	Poor			0	36
gray birch	Betula populifolia	NSL	Low	13.2	13.9	1.0	No change	Sm. inc.	Medium	Rare	Poor	Fair			0	37
pitch pine	Pinus rigida	NSH	High	4.7	12.3	2.4	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	38
American basswood	Tilia americana	WSL	Medium	6.8	11.9	2.0	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			2	39
American chestnut	Castanea dentata	NSLX	FIA	10.8	11.7	2.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	40
Scots pine	Pinus sylvestris	NSH	FIA	2.4	6.7	2.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	41
slippery elm	Ulmus rubra	WSL	Low	4.8	6.3	1.3	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	42
black walnut	Juglans nigra	WDH	Low	1.2	4.2	3.4	Sm. dec.	Sm. inc.	Medium	Rare	Very Poor	Fair			0	43
striped maple	Acer pensylvanicum	NSL	Medium	7.2	3.7	0.5	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	44
pin cherry	Prunus pensylvanica	NSL	Low	2.4	3.3	1.3	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	45
serviceberry	Amelanchier spp.	NSL	Low	4.8	2.8	0.6	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	46
red spruce	Picea rubens	NDH	High	1.2	2.4	1.9	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	47

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flowering dogwood	Cornus florida	WDL	Medium	4.4	2.1	0.7	No change	No change	Medium	Rare	Poor	Poor			0	48
ailanthus	Ailanthus altissima	NSL	FIA	1.2	0.5	0.4	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	49
balsam fir	Abies balsamea	NDH	High	1.2	0.3	0.2	Lg. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	50
green ash	Fraxinus pennsylvanica	WSH	Low	2	0.3	0.4	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			0	51
tamarack (native)	Larix laricina	NSH	High	0	0	0	Unknown	Unknown	Low	Modeled	Unknown	Unknown			0	52
shortleaf pine	Pinus echinata	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	53
loblolly pine	Pinus taeda	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	54
Virginia pine	Pinus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	55
bald cypress	Taxodium distichum	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	56
florida maple	Acer barbatum	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	57
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	58
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	59
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	60
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	61
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	62
American holly	Ilex opaca	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	63
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	64
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	65
swamp tupelo	Nyssa biflora	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	66
sourwood	Oxydendrum arboreum	NDL	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	67
redbay	Persea borbonia	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	68
southern red oak	Quercus falcata	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +		3	69
cherrybark oak; swamp red o.	Quercus pagoda	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	70
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	71
chinkapin oak	Quercus muehlenbergii	NSL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	72
water oak	Quercus nigra	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	73
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	74
willow oak	Quercus phellos	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	75
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	76
American mountain-ash	Sorbus americana	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	77
winged elm	Ulmus alata	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	78