

Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
boxelder	Acer negundo	WSH	Low	71.1	563.16	16.31	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	1
quaking aspen	Populus tremuloides	WDH	High	44.4	558.4	20.05	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	2
American elm	Ulmus americana	WDH	Medium	72.2	465.33	11.27	No change	No change	Medium	Common	Fair	Fair			1	3
northern red oak	Quercus rubra	WDH	Medium	46.7	378.57	12.31	Sm. dec.	Sm. dec.	High	Common	Fair	Fair			1	4
bur oak	Quercus macrocarpa	NDH	Medium	51.1	331.7	12.36	Sm. inc.	No change	High	Common	Very Good	Good	Infill ++	Infill ++	1	5
northern pin oak	Quercus ellipsoidalis	NSH	Medium	47.8	306.44	12.92	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	1	6
American basswood	Tilia americana	WSL	Medium	36.7	302.74	12.22	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	7
green ash	Fraxinus pennsylvanica	WSH	Low	57.8	282.97	10.48	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	8
white oak	Quercus alba	WDH	Medium	22.2	181.22	12.14	Sm. inc.	No change	High	Common	Very Good	Good	Infill ++	Infill ++	1	9
red pine	Pinus resinosa	NSH	Medium	20	166.16	18.84	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	10
black cherry	Prunus serotina	WDL	Medium	60	163.52	6	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	11
eastern redcedar	Juniperus virginiana	WDH	Medium	33.3	156.38	10.88	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	12
eastern cottonwood	Populus deltoides	NSH	Low	16.7	145.22	20.58	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	13
paper birch	Betula papyrifera	WDH	High	42.2	141.72	5.92	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	14
slippery elm	Ulmus rubra	WSL	Low	45.6	124.4	4.98	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	15
silver maple	Acer saccharinum	NSH	Low	28.9	121.32	11.41	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	16
red maple	Acer rubrum	WDH	High	17.8	109.97	7.67	Sm. inc.	No change	High	Common	Very Good	Good	Infill ++	Infill ++	1	17
white spruce	Picea glauca	NSL	Medium	16.7	85.07	10.08	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	18
black ash	Fraxinus nigra	WSH	Medium	21.1	83.4	7.11	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	19
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	34.4	78.97	4.19	Sm. inc.	No change	High	Common	Very Good	Good			1	20
balsam fir	Abies balsamea	NDH	High	2.2	65.64	29.54	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	2	21
hackberry	Celtis occidentalis	WDH	Medium	31.1	64.26	5.15	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	22
black walnut	Juglans nigra	WDH	Low	16.7	59.87	11.25	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	1	23
sugar maple	Acer saccharum	WDH	High	14.4	41.84	8.57	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	24
eastern white pine	Pinus strobus	WDH	High	16.7	35.04	4.64	Lg. inc.	No change	Low	Rare	Fair	Very Poor	Infill +		1	25
tamarack (native)	Larix laricina	NSH	High	3.3	30.14	9.04	No change	No change	Low	Rare	Very Poor	Very Poor			2	26
black locust	Robinia pseudoacacia	NDH	Low	5.6	26.42	14.19	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	27
bitternut hickory	Carya cordiformis	WSL	Low	17.8	26.24	4.66	Sm. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	1	28
black willow	Salix nigra	NSH	Low	16.7	23.61	5.34	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +	Infill +	2	29
bigtooth aspen	Populus grandidentata	NSL	Medium	4.4	21.19	4.77	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	30
black oak	Quercus velutina	WDH	High	1.1	20.67	18.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	31
white ash	Fraxinus americana	WDL	Medium	7.8	14.17	3.8	Sm. inc.	Lg. inc.	Low	Rare	Poor	Fair	Infill +	Infill +	2	32
jack pine	Pinus banksiana	NSH	Medium	6.7	11.71	5.25	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	33
Siberian elm	Ulmus pumila	NDH	FIA	10	11.58	8.35	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	34
chokecherry	Prunus virginiana	NSLX	FIA	12.2	10.66	1.22	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	35
serviceberry	Amelanchier spp.	NSL	Low	2.2	9.8	4.41	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	36
Norway spruce	Picea abies	NSH	FIA	1.1	8.61	7.75	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	37
butternut	Juglans cinerea	NSLX	FIA	16.7	6.02	1.9	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	38
rock elm	Ulmus thomasii	NSLX	FIA	1.1	6	5.4	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	39
Scotch pine	Pinus sylvestris	NSH	FIA	2.2	4.81	2.16	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	40
yellow birch	Betula alleghaniensis	NDL	High	2.2	4.14	1.86	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	2	41
black spruce	Picea mariana	NSH	High	1.1	2.41	2.17	Sm. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	42
peachleaf willow	Salix amygdaloides	NSLX	FIA	8.9	1.94	3.51	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	43
river birch	Betula nigra	NSL	Low	1.1	1.03	0.93	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	44
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	1.1	1	0.9	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	45
red mulberry	Morus rubra	NSL	Low	4.4	0.39	1.42	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	46
northern white-cedar	Thuja occidentalis	WSH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	47
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	48
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	49
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	50
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	51
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	52
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	53

National Park
 Climate Change Atlas Tree Species
 Current and Potential Future Habitat, Capability, and Migration

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eastern redbud	<i>Cercis canadensis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	54
honeylocust	<i>Gleditsia triacanthos</i>	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	55
Osage-orange	<i>Maclura pomifera</i>	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	56
sycamore	<i>Platanus occidentalis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	57
balsam poplar	<i>Populus balsamifera</i>	NSH	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	58
swamp white oak	<i>Quercus bicolor</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	59
shingle oak	<i>Quercus imbricaria</i>	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	60
blackjack oak	<i>Quercus marilandica</i>	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	61
Shumard oak	<i>Quercus shumardii</i>	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	62
post oak	<i>Quercus stellata</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	63
sassafras	<i>Sassafras albidum</i>	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	64