

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	70.2	790.76	14.74	No change	Sm. dec.	Medium	Abundant	Good	Fair	Infill ++	Infill +	1	1
northern pin oak	Quercus ellipsoidalis	NSH	Medium	58.3	683.45	13.45	Sm. dec.	Lg. dec.	High	Abundant	Good	Good	Infill ++	Infill ++	1	2
red maple	Acer rubrum	WDH	High	56	609.8	10.9	Sm. dec.	Sm. dec.	High	Abundant	Good	Good	Infill ++	Infill ++	1	3
northern red oak	Quercus rubra	WDH	Medium	54.8	520.93	10.35	Sm. dec.	Sm. dec.	High	Abundant	Good	Good	Infill ++	Infill ++	1	4
paper birch	Betula papyrifera	WDH	High	59.5	512.89	9.81	Sm. dec.	Lg. dec.	Medium	Abundant	Fair	Fair	Infill +	Infill +	0	5
red pine	Pinus resinosa	NSH	Medium	28.6	467.61	22.85	No change	Sm. dec.	Low	Common	Poor	Poor	Infill +	Infill +	0	6
bur oak	Quercus macrocarpa	NDH	Medium	57.1	438.05	8.9	Sm. inc.	No change	High	Common	Very Good	Good	Infill ++	Infill ++	1	7
American elm	Ulmus americana	WDH	Medium	64.3	328.27	6.35	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	8
boxelder	Acer negundo	WSH	Low	44	310	9.98	Sm. inc.	No change	High	Common	Very Good	Good	Infill ++	Infill ++	1	9
white oak	Quercus alba	WDH	Medium	44	292.29	7.35	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	10
American basswood	Tilia americana	WSL	Medium	39.3	264.5	7.43	Sm. inc.	No change	Medium	Common	Good	Fair	Infill ++	Infill +	1	11
green ash	Fraxinus pennsylvanica	WSH	Low	58.3	258.49	6.72	Sm. inc.	Sm. inc.	Medium	Common	Good	Good	Infill ++	Infill ++	1	12
sugar maple	Acer saccharum	WDH	High	27.4	229.63	8.39	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	13
black ash	Fraxinus nigra	WSH	Medium	36.9	228.4	7.31	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	14
eastern white pine	Pinus strobus	WDH	High	31	221.21	8.25	No change	Sm. dec.	Low	Common	Poor	Poor	Infill +	Infill +	0	15
black cherry	Prunus serotina	WDL	Medium	58.3	207.14	4.5	Lg. inc.	Sm. inc.	Low	Common	Good	Fair	Infill ++	Infill +	1	16
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	38.1	195.61	5.77	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	1	17
jack pine	Pinus banksiana	NSH	Medium	8.3	155.58	18.67	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	18
bigtooth aspen	Populus grandidentata	NSL	Medium	20.2	132.52	6.55	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	19
tamarack (native)	Larix laricina	NSH	High	8.3	113.68	13.64	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	0	20
silver maple	Acer saccharinum	NSH	Low	16.7	109.85	14.43	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	2	21
white spruce	Picea glauca	NSL	Medium	10.7	93.49	15.79	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	0	22
eastern redcedar	Juniperus virginiana	WDH	Medium	19	89.75	8.48	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	2	23
white ash	Fraxinus americana	WDL	Medium	27.4	68.35	2.99	Lg. inc.	Lg. inc.	Low	Common	Good	Good	Infill ++	Infill ++	1	24
Siberian elm	Ulmus pumila	NDH	FIA	6	68.35	29.76	Unknown	Unknown	NA	Common	NNIS	NNIS			0	25
balsam fir	Abies balsamea	NDH	High	2.4	61.4	25.79	No change	No change	Low	Common	Poor	Poor	Infill +	Infill +	2	26
eastern cottonwood	Populus deltoides	NSH	Low	16.7	59.18	7.41	Lg. inc.	Lg. inc.	Medium	Common	Very Good	Very Good	Infill ++	Infill ++	2	27
slippery elm	Ulmus rubra	WSL	Low	28.6	46.31	2.58	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	28
black walnut	Juglans nigra	WDH	Low	6	39.74	16.77	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	29
butternut	Juglans cinerea	NSLX	FIA	16.7	36.31	2.84	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	30
bitternut hickory	Carya cordiformis	WSL	Low	23.8	34.2	2.03	Sm. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	31
Scotch pine	Pinus sylvestris	NSH	FIA	8.3	33.73	9.63	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	32
black locust	Robinia pseudoacacia	NDH	Low	6	28.31	14.19	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	33
black oak	Quercus velutina	WDH	High	1.2	22.14	18.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	34
serviceberry	Amelanchier spp.	NSL	Low	4.8	19.4	4.08	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	35
yellow birch	Betula alleghaniensis	NDL	High	8.3	15.99	1.92	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	36
hackberry	Celtis occidentalis	WDH	Medium	15.5	10.69	1.57	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	37
Norway spruce	Picea abies	NSH	FIA	1.2	9.23	7.75	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	38
chokecherry	Prunus virginiana	NSLX	FIA	16.7	6.56	0.87	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	39
American hornbeam; muscle	Carpinus caroliniana	WSL	Low	7.1	6	0.84	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			0	40
northern white-cedar	Thuja occidentalis	WSH	High	2.4	4.98	2.09	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	41
pin cherry	Prunus pensylvanica	NSL	Low	1.2	4.88	4.1	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	42
peachleaf willow	Salix amygdaloides	NSLX	FIA	4.8	1.25	4.22	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	43
river birch	Betula nigra	NSL	Low	1.2	1.11	0.93	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	44
red mulberry	Morus rubra	NSL	Low	4.8	0.42	1.42	No change	Sm. inc.	Medium	Rare	Poor	Fair			0	45
mountain maple	Acer spicatum	NSL	Low	0	0	0	New Habitat	Unknown	High	Absent	New Habitat	Unknown			3	46
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	47
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	48
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	49
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	50
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	51
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	52
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	53

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

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swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	54
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	55
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	56
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	57
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Likely +	Likely +	3	58
sassafras	Sassafras albidum	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	59