

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

Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCI45	ChngCI85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
eastern redcedar	Juniperus virginiana	WDH	Medium	62.5	212.16	32.41	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor	Infill +	Infill +	2	1
bur oak	Quercus macrocarpa	NDH	Medium	41.2	122.34	37.39	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	2
hackberry	Celtis occidentalis	WDH	Medium	32.5	115.28	25.19	Sm. dec.	Sm. dec.	High	Common	Fair	Fair	Infill +	Infill +	2	3
Siberian elm	Ulmus pumila	NDH	FIA	21.2	73.55	18.78	Unknown	Unknown	NA	Common	NNIS	NNIS			0	4
American elm	Ulmus americana	WDH	Medium	46.2	67.36	21.2	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	2	5
red mulberry	Morus rubra	NSL	Low	20	37.99	30.39	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			2	6
eastern cottonwood	Populus deltoides	NSH	Low	15	37.39	39.87	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	7
green ash	Fraxinus pennsylvanica	WSH	Low	21.3	6.69	3.18	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	8
slippery elm	Ulmus rubra	WSL	Low	11.2	4.53	4.19	Lg. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	9
boxelder	Acer negundo	WSH	Low	10	3.5	5.6	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	10
bitternut hickory	Carya cordiformis	WSL	Low	5	3.23	10.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor			0	11
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	5	2.35	7.5	No change	Sm. dec.	High	Rare	Fair	Poor	Infill +		2	12
black walnut	Juglans nigra	WDH	Low	5	0.86	2.77	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +		2	13
Osage-orange	Maclura pomifera	NDH	Medium	5	0.28	0.88	Lg. inc.	Lg. inc.	High	Rare	Good	Good			2	14
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	NA	Absent	New Habitat	New Habitat			0	15
silver maple	Acer saccharinum	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	16
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +		3	17
honeylocust	Gleditsia triacanthos	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	18
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	19
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	20
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	21
American basswood	Tilia americana	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	22