

National Park
Climate Change Atlas Tree Species
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
pond cypress	Taxodium ascendens	NSH	Medium	19.5	642.83	61.89	Sm. inc.	No change	Medium	Abundant	Very Good	Good	Infill ++	Infill ++	1	1
cabbage palmetto	Sabal palmetto	NDH	Medium	14	211.08	26.23	No change	No change	NA	Common	Unknown	Unknown			0	2
bald cypress	Taxodium distichum	NSH	Medium	9.3	92.68	15.79	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	2	3
slash pine	Pinus elliotii	NDH	High	17.2	64.39	23.01	Lg. inc.	Sm. inc.	Medium	Common	Very Good	Good	Infill ++	Infill ++	1	4
red maple	Acer rubrum	WDH	High	4.6	50.62	10.81	No change	No change	High	Common	Good	Good	Infill ++	Infill ++	2	5
Carolina ash	Fraxinus caroliniana	NSL	FIA	4.6	40.43	8.64	Unknown	Unknown	NA	Rare	FIA Only	FIA Only			0	6
laurel oak	Quercus laurifolia	NDH	Medium	5.8	35.74	6.09	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	7
redbay	Persea borbonia	NSL	Low	14.3	35.49	4.7	Sm. inc.	No change	High	Rare	Good	Fair	Infill ++	Infill +	1	8
live oak	Quercus virginiana	NDH	High	8.2	18.39	7.69	Sm. inc.	Lg. inc.	Medium	Rare	Fair	Good	Infill +	Infill ++	2	9
sweetbay	Magnolia virginiana	NSL	Medium	4.7	13.8	2.95	No change	No change	Medium	Rare	Poor	Poor	Infill +		2	10
green ash	Fraxinus pennsylvanica	WSH	Low	1.2	5.14	4.4	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair	Infill +	Infill +	2	11
swamp tupelo	Nyssa biflora	NDH	Medium	1.2	1.9	1.63	Very Lg. dec.	Very Lg. dec.	Low	Rare	Lost	Lost			0	12
common persimmon	Diospyros virginiana	NSL	Low	4.7	0.18	0.6	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			0	13
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	NA	Absent	New Habitat	New Habitat			0	14
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	15
loblolly pine	Pinus taeda	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	16
boxelder	Acer negundo	WSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	17
mountain maple	Acer spicatum	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	18
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	19
pawpaw	Asimina triloba	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	20
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	21
sugarberry	Celtis laevigata	NDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	22
hackberry	Celtis occidentalis	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	23
loblolly-bay	Gordonia lasianthus	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	24
silverbell	Halesia spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	25
American holly	Ilex opaca	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	26
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	27
mountain or Fraser magnolia	Magnolia fraseri	NSL	Low	0	0	0	Unknown	Unknown	NA	Absent	Unknown	Unknown			0	28
water tupelo	Nyssa aquatica	NSH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	29
cherrybark oak; swamp red o	Quercus pagoda	NSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	30
overcup oak	Quercus lyrata	NSL	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	31
swamp chestnut oak	Quercus michauxii	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	32
Nuttall oak	Quercus texana	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	33
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			3	34
American mountain-ash	Sorbus americana	NSL	Low	0	0	0	Unknown	Unknown	Low	Absent	Unknown	Unknown			0	35
American elm	Ulmus americana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	36
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	37