

Table with 4 columns: Area of Region, sq. km, sq. mi, FIA Plots. Values: 8,985.5, 3,469.3, 235.

Species Information

The columns below provide brief summaries of the species associated with the region and described in the table on the next pages. Definitions are provided in the Excel file for this region.

Summary table for species information including Genus, Species, Abundance, Model Reliability, Adaptability, Potential Change in Habitat Suitability, Capability to Cope or Persist, and Migration Potential.

Potential Changes in Climate Variables

Temperature (°F)

Table showing temperature trends from 2009 to 2099 for various scenarios (CCSM45, CCSM85, GFDL45, GFDL85, HAD45, HAD85) across Annual, Growing Season, and Coldest/Warmest months.

Precipitation (in)

Table showing precipitation trends from 2009 to 2099 for various scenarios across Annual, Total, and Growing Season (May-Sep).

NOTE: For the six climate variables, four 30-year periods are used to indicate six potential future trajectories. The period ending in 2009 is based on modeled observations from the PRISM Climate Group and the three future periods were obtained from the NASA NEX-DCP30 dataset.

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One x One Degree
Climate Change Atlas Tree Species

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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		
flowering dogwood	Cornus florida	WDL	Medium	1.1	2.3	2.1	Sm. dec.	No change	Medium	Rare	Very Poor	Poor				0	48	
chokecherry	Prunus virginiana	NSLX	FIA	0.5	2.0	0.2	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only					0	49
white mulberry	Morus alba	NSL	FIA	1.1	1.9	1.7	Unknown	Unknown	NA	Rare	NNIS	NNIS					0	50
pin cherry	Prunus pensylvanica	NSL	Low	4.5	1.9	0.4	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost					0	51
eastern redcedar	Juniperus virginiana	WDH	Medium	1.1	1.8	1.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good					2	52
white spruce	Picea glauca	NSL	Medium	1.1	0.8	0.7	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost					0	53
pignut hickory	Carya glabra	WDL	Medium	1.1	0.1	0.1	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good					2	54
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	55
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +			3	56
common persimmon	Diospyros virginiana	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +			3	57
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +			3	58
sweetgum	Liquidambar styraciflua	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	59
yellow-poplar	Liriodendron tulipifera	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +			3	60
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +			3	61
bigleaf magnolia	Magnolia macrophylla	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown					0	62
red mulberry	Morus rubra	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat					3	63
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat					0	64
Shumard oak	Quercus shumardii	NSL	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +			3	65
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat					3	66