

Section 315F

EcoMap 2007

Climate Change Atlas Tree Species

USDA Forest Service
Northern Research Station
Landscape Change Research Group
Iverson, Peters, Prasad, Matthews

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
black locust	Robinia pseudoacacia	NDH	Low	16.8	108.0	14.1	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	1
eastern redcedar	Juniperus virginiana	WDH	Medium	14.3	88.4	36.6	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	2
black willow	Salix nigra	NSH	Low	16.3	60.6	26.4	Lg. dec.	Lg. dec.	Low	Common	Very Poor	Very Poor			0	3
Siberian elm	Ulmus pumila	NDH	FIA	12.9	49.6	6.8	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	4
black walnut	Juglans nigra	WDH	Low	6.9	33.1	16.4	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	5
eastern cottonwood	Populus deltoides	NSH	Low	10.1	32.6	15.8	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	6
American elm	Ulmus americana	WDH	Medium	6.8	23.5	4.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	1	7
Osage-orange	Maclura pomifera	NDH	Medium	12.1	23.2	12.7	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	8
hackberry	Celtis occidentalis	WDH	Medium	6	15.0	17.1	Sm. dec.	No change	High	Rare	Poor	Fair	Infill +	Infill +	1	9
cittamwood/gum bumelia	Sideroxylon lanuginosum ssp.	NSL	Low	9	9.4	4.1	Sm. inc.	Sm. inc.	High	Rare	Good	Good			1	10
honeylocust	Gleditsia triacanthos	NSH	Low	3.9	9.2	6.7	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor	Infill +	Infill +	1	11
red mulberry	Morus rubra	NSL	Low	5.4	9.2	4.6	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	12
sugarberry	Celtis laevigata	NDH	Medium	3.5	7.8	19.3	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	1	13
common persimmon	Diospyros virginiana	NSL	Low	1.4	6.7	6.8	Very Lg. dec.	Very Lg. dec.	High	Rare	Lost	Lost			0	14
paulownia	Paulownia tomentosa	NSL	FIA	2.5	6.1	10.7	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	15
slippery elm	Ulmus rubra	WSL	Low	2.5	4.8	8.3	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	16
white mulberry	Morus alba	NSL	FIA	2.5	3.9	6.9	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	17
pecan	Carya illinoensis	NSH	Low	0.9	1.3	0.8	No change	No change	Low	Rare	Very Poor	Very Poor			0	18
ailanthus	Ailanthus altissima	NSL	FIA	2.5	0.6	1.1	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	19
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	20
slash pine	Pinus elliottii	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	21
longleaf pine	Pinus palustris	NSH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	22
striped maple	Acer pensylvanicum	NSL	Medium	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	23
serviceberry	Amelanchier spp.	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	24
shellbark hickory	Carya laciniosa	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	25
black hickory	Carya texana	NDL	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	26
blackjack oak	Quercus marilandica	NSL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	27
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	28
live oak	Quercus virginiana	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	29
cedar elm	Ulmus crassifolia	NDH	Medium	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	30

