

HUC 101701 Lewis and Clark Lake

HUC 6 Watershed 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
eastern redcedar	Juniperus virginiana	WDH	Medium	28.3	75.1	15.9	No change	Sm. inc.	Medium	Common	Fair	Good	Infill +		2	1
bur oak	Quercus macrocarpa	NDH	Medium	17.3	62.1	25.7	Sm. inc.	No change	High	Common	Very Good	Good			2	2
green ash	Fraxinus pennsylvanica	WSH	Low	10.8	51.9	10.1	No change	Sm. dec.	Medium	Common	Fair	Poor	Infill +	Infill +	2	3
American elm	Ulmus americana	WDH	Medium	18.9	48.9	10.8	No change	Sm. inc.	Medium	Rare	Poor	Fair	Infill +	Infill +	2	4
hackberry	Celtis occidentalis	WDH	Medium	11.6	28.7	7.8	Sm. inc.	Sm. inc.	High	Rare	Good	Good			2	5
eastern cottonwood	Populus deltoides	NSH	Low	8.1	22.1	29.1	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	6
red mulberry	Morus rubra	NSL	Low	6.9	20.0	38.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	7
Siberian elm	Ulmus pumila	NDH	FIA	10.9	10.3	8.1	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	8
boxelder	Acer negundo	WSH	Low	6.5	9.0	5.3	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	9
black locust	Robinia pseudoacacia	NDH	Low	0.1	7.4	2.0	Lg. dec.	Sm. inc.	Medium	Rare	Very Poor	Fair			2	10
honeylocust	Gleditsia triacanthos	NSH	Low	0.7	3.4	5.7	No change	No change	High	Rare	Fair	Fair			0	11
slippery elm	Ulmus rubra	WSL	Low	5.5	3.4	6.6	No change	No change	Medium	Rare	Poor	Poor	Infill +	Infill +	2	12
Scots pine	Pinus sylvestris	NSH	FIA	2.7	3.0	17.8	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	13
northern catalpa	Catalpa speciosa	NSHX	FIA	0.1	2.2	0.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	14
bitternut hickory	Carya cordiformis	WSL	Low	2.6	1.7	10.3	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor		Infill +	2	15
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	2.6	1.3	7.5	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	2	16
wild plum	Prunus americana	NSLX	FIA	0.7	0.6	1.0	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	17
black walnut	Juglans nigra	WDH	Low	1.7	0.5	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	18
ashe juniper	Juniperus ashei	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	19
silver maple	Acer saccharinum	NSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate ++	3	20
eastern redbud	Cercis canadensis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	21
Osage-orange	Maclura pomifera	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	22
northern red oak	Quercus rubra	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	23
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	24
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	25
black willow	Salix nigra	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat		Migrate +	3	26
American basswood	Tilia americana	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	27