S46 E85

One x One Degree

Climate Change Atlas Tree Species

Current and Potential Future Habitat, Capability, and Migration

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Common Name	Scientific Name	Range	MR	%Cell	FIAsum	FIAiv	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	SHIFT45	SHIFT85	SSO	N
northern white-cedar	Thuja occidentalis	WSH	High	76.6	1632.54	17.4	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	1
sugar maple	Acer saccharum	WDH	High	69.8	1579.35	17.16	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	2
red maple	Acer rubrum	WDH	High	96.2	1558.67	11.93	No change	No change	High	Abundant	Very Good	Very Good			1	3
jack pine	Pinus banksiana	NSH	Medium	32.4	874.5	17.49	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	4
balsam fir	Abies balsamea	NDH	High	93.7	782.09	6.37	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	5
red pine	Pinus resinosa	NSH	Medium	38.4	673.88	10.43	Sm. inc.	No change	Low	Abundant	Good	Fair			1	6
black spruce	Picea mariana	NSH	High	71.9	613.58	6.42	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	7
eastern white pine	Pinus strobus	WDH	High	56.3	567.15	6.91	Sm. inc.	Sm. inc.	Low	Abundant	Good	Good			1	8
American beech	Fagus grandifolia	WDH	High	61	478.11	5.56	No change	No change	Medium	Common	Fair	Fair			1	9
quaking aspen	Populus tremuloides	WDH	High	49.1	436.51	6.37	Lg. inc.	Sm. inc.	Medium	Common	Very Good	Good			1	10
eastern hemlock	Tsuga canadensis	NSH	High	45.8	423.16	7.86	No change	Sm. dec.	Low	Common	Poor	Poor			0	11
paper birch	Betula papyrifera	WDH	High	72.5	392.13	4.11	No change	No change	Medium	Common	Fair	Fair			1	12
tamarack (native)	Larix laricina	NSH	High	36.6	277.09	5.11	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	13
white spruce	Picea glauca	NSL	Medium	56.1	232.15	3.16	No change	No change	Medium	Common	Fair	Fair			1	14
yellow birch	Betula alleghaniensis	NDL	High	54.3	209.81	2.89	No change	No change	Medium	Common	Fair	Fair			1	15
bigtooth aspen	Populus grandidentata	NSL	Medium	18.3	175.97	5.1	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	16
black cherry	Prunus serotina	WDL	Medium	36.7	170.91	3.63	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	17
balsam poplar	Populus balsamifera	NSH	Medium	25.7	162.65	4.53	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	18
black ash	Fraxinus nigra	WSH	Medium	35.3	89.85	2.38	Lg. inc.	Lg. inc.	Low	Common	Good	Good			1	19
silver maple	Acer saccharinum	NSH	Low	1.8	88.44	50	No change	Sm. inc.	High	Rare	Fair	Good	Infill +	Infill ++	1	20
northern red oak	Quercus rubra	WDH	Medium	6.4	50.89	6.7	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good	Infill ++	Infill ++	1	21
peachleaf willow	Salix amygdaloides	NSLX	FIA	9.3	36.65	3.1	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	22
pin cherry	Prunus pensylvanica	NSL	Low	10.6	32.99	2.23	Lg. dec.	Very Lg. dec.	Medium	Rare	Very Poor	Lost			0	23
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	16.3	31.93	1.48	Lg. inc.	Lg. inc.	High	Rare	Good	Good			1	24
striped maple	Acer pensylvanicum	NSL	Medium	5.7	19	1.89	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	25
serviceberry	Amelanchier spp.	NSL	Low	12.8	12.72	0.43	Lg. dec.	Lg. dec.	Medium	Rare	Very Poor	Very Poor			0	26
American basswood	Tilia americana	WSL	Medium	8.4	12.61	1.37	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	1	27
white ash	Fraxinus americana	WDL	Medium	3.5	12.28	3.47	Lg. inc.	Lg. inc.	Low	Rare	Fair	Fair	Infill +	Infill +	2	28
Scotch pine	Pinus sylvestris	NSH	FIA	1.8	11.5	6.5	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	29
American elm	Ulmus americana	WDH	Medium	9.7	11.44	0.98	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	30
green ash	Fraxinus pennsylvanica	WSH	Low	3.5	10.74	3.03	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good	Infill ++	Infill ++	2	31
chokecherry	Prunus virginiana	NSLX	FIA	7.1	5.77	0.82	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	32
mountain maple	Acer spicatum	NSL	Low	5.1	2.07	0.37	Lg. dec.	Very Lg. dec.	High	Rare	Poor	Lost			1	33
American mountain-ash	Sorbus americana	NSL	Low	4.1	1.93	0.23	Lg. dec.	Very Lg. dec.	Low	Rare	Very Poor	Lost			0	34
eastern redcedar	Juniperus virginiana	WDH	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	35
boxelder	Acer negundo	WSH	Low	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	36
pignut hickory	Carya glabra	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	37
shagbark hickory	Carya ovata	WSL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	38
mockernut hickory	Carya alba	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	39
black walnut	Juglans nigra	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	40
blackgum	Nyssa sylvatica	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	41
sycamore	Platanus occidentalis	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	42
eastern cottonwood	Populus deltoides	NSH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	43
white oak	Quercus alba	WDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	44
swamp white oak	Quercus bicolor	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	45
scarlet oak	Quercus coccinea	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	46
northern pin oak	Quercus ellipsoidalis	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	47
bur oak	Quercus macrocarpa	NDH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	48
pin oak	Quercus palustris	NSH	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	49
post oak	Quercus stellata	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	50
black oak	Quercus velutina	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	51
black locust	Robinia pseudoacacia	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	52
sassafras	Sassafras albidum	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	53