

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
sugar maple	Acer saccharum	WDH	High	88.3	2070.0	14.9	Sm. dec.	Sm. dec.	High	Abundant	Good	Good			1	1
balsam fir	Abies balsamea	NDH	High	67.1	1342.1	11.2	Lg. dec.	Lg. dec.	Low	Abundant	Poor	Poor			0	2
red maple	Acer rubrum	WDH	High	93.5	1335.9	9.3	Sm. inc.	Sm. inc.	High	Abundant	Very Good	Very Good			1	3
yellow birch	Betula alleghaniensis	NDL	High	82.2	1023.1	7.3	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	4
eastern hemlock	Tsuga canadensis	NSH	High	61	929.0	10.7	No change	No change	Low	Abundant	Fair	Fair			0	5
American beech	Fagus grandifolia	WDH	High	80.3	827.4	6.4	No change	No change	Medium	Abundant	Good	Good			1	6
eastern white pine	Pinus strobus	WDH	High	57	807.5	10.8	Sm. inc.	No change	Low	Abundant	Good	Fair			1	7
paper birch	Betula papyrifera	WDH	High	87.2	764.9	5.4	Sm. dec.	Sm. dec.	Medium	Abundant	Fair	Fair			0	8
red spruce	Picea rubens	NDH	High	74.9	725.6	5.7	Sm. dec.	Sm. dec.	Low	Abundant	Fair	Fair			0	9
white ash	Fraxinus americana	WDL	Medium	73.7	426.2	4.2	Sm. inc.	Sm. inc.	Low	Common	Fair	Fair			1	10
black cherry	Prunus serotina	WDL	Medium	57.3	275.9	3.1	Sm. inc.	Lg. inc.	Low	Common	Fair	Good			1	11
northern red oak	Quercus rubra	WDH	Medium	37	250.4	4.0	Lg. inc.	Lg. inc.	High	Common	Very Good	Very Good			1	12
quaking aspen	Populus tremuloides	WDH	High	47.8	246.7	4.0	Sm. inc.	Sm. inc.	Medium	Common	Good	Good			1	13
striped maple	Acer pensylvanicum	NSL	Medium	62	171.6	1.6	Sm. dec.	Sm. dec.	Medium	Common	Poor	Poor			0	14
sweet birch	Betula lenta	NDH	High	16.8	169.6	7.0	Lg. inc.	Lg. inc.	Low	Common	Good	Good	Infill ++	Infill ++	1	15
northern white-cedar	Thuja occidentalis	WSH	High	9.9	132.4	6.5	No change	No change	Medium	Common	Fair	Fair	Infill +	Infill +	1	16
eastern hophornbeam; ironw	Ostrya virginiana	WSL	Low	40.8	101.0	1.8	Sm. inc.	Sm. inc.	High	Common	Very Good	Very Good			1	17
pin cherry	Prunus pensylvanica	NSL	Low	32.9	90.4	1.3	Lg. dec.	Lg. dec.	Medium	Common	Poor	Poor			0	18
white spruce	Picea glauca	NSL	Medium	16.8	84.0	3.1	Sm. dec.	No change	Medium	Common	Poor	Fair			1	19
American elm	Ulmus americana	WDH	Medium	16.7	52.0	2.5	No change	Sm. inc.	Medium	Common	Fair	Good			1	20
balsam poplar	Populus balsamifera	NSH	Medium	9.8	46.9	4.0	Very Lg. dec.	Very Lg. dec.	Medium	Rare	Lost	Lost			0	21
bigtooth aspen	Populus grandidentata	NSL	Medium	18.1	41.3	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	22
American basswood	Tilia americana	WSL	Medium	16.4	41.1	2.3	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			1	23
Norway spruce	Picea abies	NSH	FIA	2.1	35.9	9.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	24
gray birch	Betula populifolia	NSL	Low	14.2	26.5	1.2	Sm. dec.	Sm. inc.	Medium	Rare	Very Poor	Fair			1	25
black ash	Fraxinus nigra	WSH	Medium	11.9	23.8	1.6	Sm. dec.	Sm. dec.	Low	Rare	Very Poor	Very Poor			0	26
bitternut hickory	Carya cordiformis	WSL	Low	7.2	23.2	2.7	No change	No change	High	Rare	Fair	Fair	Infill +	Infill +	1	27
boxelder	Acer negundo	WSH	Low	1.3	22.1	17.9	Sm. dec.	Sm. dec.	High	Rare	Poor	Poor		Infill +	2	28
tamarack (native)	Larix laricina	NSH	High	6.4	20.5	2.5	Sm. dec.	No change	Low	Rare	Very Poor	Very Poor			2	29
American mountain-ash	Sorbus americana	NSL	Low	9.8	14.7	0.4	Sm. dec.	Lg. dec.	Low	Rare	Very Poor	Very Poor			0	30
white oak	Quercus alba	WDH	Medium	2.5	14.0	2.2	Lg. inc.	Lg. inc.	High	Rare	Good	Good	Infill ++	Infill ++	2	31
mountain maple	Acer spicatum	NSL	Low	9.5	13.6	0.7	Lg. dec.	Lg. dec.	High	Rare	Poor	Poor			1	32
red pine	Pinus resinosa	NSH	Medium	2.8	12.3	4.0	No change	No change	Low	Rare	Very Poor	Very Poor			2	33
black spruce	Picea mariana	NSH	High	0.9	10.7	1.2	Sm. dec.	Sm. dec.	Medium	Rare	Very Poor	Very Poor			2	34
serviceberry	Amelanchier spp.	NSL	Low	11.1	10.4	0.6	Sm. inc.	Sm. inc.	Medium	Rare	Fair	Fair			1	35
American hornbeam; musclev	Carpinus caroliniana	WSL	Low	2.7	7.9	1.3	Sm. dec.	No change	Medium	Rare	Very Poor	Poor		Infill +	1	36
Scots pine	Pinus sylvestris	NSH	FIA	1.3	7.6	6.2	Unknown	Unknown	NA	Rare	NNIS	NNIS			0	37
green ash	Fraxinus pennsylvanica	WSH	Low	2.7	4.1	0.9	No change	Lg. inc.	Medium	Rare	Poor	Good		Infill ++	2	38
butternut	Juglans cinerea	NSLX	FIA	1.9	2.9	1.6	Unknown	Unknown	Low	Rare	FIA Only	FIA Only			0	39
black oak	Quercus velutina	WDH	High	1.1	2.7	1.8	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	40
shagbark hickory	Carya ovata	WSL	Medium	0.6	1.0	1.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	41
chokecherry	Prunus virginiana	NSLX	FIA	1.3	0.7	0.6	Unknown	Unknown	Medium	Rare	FIA Only	FIA Only			0	42
eastern redcedar	Juniperus virginiana	WDH	Medium	0.6	0.4	0.6	Lg. inc.	Lg. inc.	Medium	Rare	Good	Good			2	43
jack pine	Pinus banksiana	NSH	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat		Migrate +	3	44
shortleaf pine	Pinus echinata	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	45
pitch pine	Pinus rigida	NSH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	46
loblolly pine	Pinus taeda	WDH	High	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			3	47

HUC 010801 Upper Connecticut

HUC 6 Watershed Climate Change Atlas Tree Species

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

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Virginia pine	<i>Pinus virginiana</i>	NDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	48
black maple	<i>Acer nigrum</i>	NSH	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	49
Ohio buckeye	<i>Aesculus glabra</i>	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	50
yellow buckeye	<i>Aesculus flava</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	51
pawpaw	<i>Asimina triloba</i>	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	52
cittamwood/gum bumelia	<i>Sideroxylon lanuginosum</i> ssp.	NSL	Low	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat			0	53
pignut hickory	<i>Carya glabra</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	54
pecan	<i>Carya illinoensis</i>	NSH	Low	0	0	0	Unknown	New Habitat	Low	Absent	Unknown	New Habitat			0	55
mockernut hickory	<i>Carya alba</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	56
sugarberry	<i>Celtis laevigata</i>	NDH	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat			0	57
eastern redbud	<i>Cercis canadensis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			3	58
flowering dogwood	<i>Cornus florida</i>	WDL	Medium	0	0	0	Unknown	New Habitat	Medium	Absent	Unknown	New Habitat		Migrate +	3	59
common persimmon	<i>Diospyros virginiana</i>	NSL	Low	0	0	0	Unknown	New Habitat	High	Absent	Unknown	New Habitat			3	60
silverbell	<i>Halesia</i> spp.	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat			0	61
black walnut	<i>Juglans nigra</i>	WDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	62
sweetgum	<i>Liquidambar styraciflua</i>	WDH	High	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate ++	3	63
yellow-poplar	<i>Liriodendron tulipifera</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate ++	3	64
cucumbertree	<i>Magnolia acuminata</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	65
bigleaf magnolia	<i>Magnolia macrophylla</i>	NSL	Low	0	0	0	Unknown	Unknown	Medium	Absent	Unknown	Unknown			0	66
mountain or Fraser magnolia	<i>Magnolia fraseri</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Low	Absent	New Habitat	New Habitat			0	67
blackgum	<i>Nyssa sylvatica</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	68
sourwood	<i>Oxydendron arboreum</i>	NDL	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			0	69
redbay	<i>Persea borbonia</i>	NSL	Low	0	0	0	Unknown	Unknown	High	Absent	Unknown	Unknown			0	70
sycamore	<i>Platanus occidentalis</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	71
swamp white oak	<i>Quercus bicolor</i>	NSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat		Migrate +	3	72
scarlet oak	<i>Quercus coccinea</i>	WDL	Medium	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate ++	Migrate ++	3	73
chestnut oak	<i>Quercus prinus</i>	NDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat	Likely +	Likely +	3	74
post oak	<i>Quercus stellata</i>	WDH	High	0	0	0	New Habitat	New Habitat	High	Absent	New Habitat	New Habitat			3	75
black locust	<i>Robinia pseudoacacia</i>	NDH	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Likely +	Likely +	3	76
sassafras	<i>Sassafras albidum</i>	WSL	Low	0	0	0	New Habitat	New Habitat	Medium	Absent	New Habitat	New Habitat	Migrate +	Migrate +	3	77
slippery elm	<i>Ulmus rubra</i>	WSL	Low	0	0	0	Unknown	Unknown	Medium	Modeled	Unknown	Unknown			0	78