

Subsection_222Wa_Distrib2

Ecoregion Subsections Distrib2 Output for Species Current and Potential Future Habitat and Capability

Landscape Change Research Group
Iverson, Peters, Prasad, Matthews
USFS Northern Research Station
Delaware, OH

Common_Name	PC	Scientific_Name	ModRel	%CellFIA	FIAiv	FIAsum	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	%OccCol	%2Col	%AnyCol	HQCL45	HQCL85	N
white oak	1	Quercus alba	Medium	24.7	6.7	77.7	Sm. inc.	Sm. inc.	6.1	Abundant	Very Good	Very Good	62.1	79.6	79.6	2.68	2.76	1
yellow-poplar	1	Liriodendron tulipifera	High	41.2	7.6	121.2	Sm. inc.	Sm. inc.	5.3	Abundant	Very Good	Very Good	82.6	68	68	3.62	2.97	2
northern red oak	1	Quercus rubra	Medium	82.1	7.1	197.6	No change	No change	5.4	Abundant	Very Good	Very Good	90.5	50.5	50.5	2.98	3.18	3
American elm	1	Ulmus americana	Medium	86.1	6.3	191.1	Sm. inc.	Sm. inc.	4	Abundant	Very Good	Very Good	91.4	43.4	43.4	3.35	4.55	4
sugar maple	1	Acer saccharum	High	97.7	13.2	476.7	No change	No change	5.8	Abundant	Very Good	Very Good	91.4	36.4	36.4	4.7	3.85	5
black oak	1	Quercus velutina	High	14.2	5.6	32.3	Sm. inc.	Sm. inc.	4.9	Common	Good	Good	38.9	85	85.2	2.11	3.82	6
chestnut oak	1	Quercus prinus	High	5	4.7	9	No change	No change	6.1	Common	Good	Good	10.4	78.8	85.8	1.8	1.77	7
bitternut hickory	1	Carya cordiformis	Low	36.2	5.2	65	No change	No change	5.6	Common	Good	Good	84.1	71.2	71.2	2.98	2.9	8
green ash	1	Fraxinus pennsylvanica	Low	41	7.6	115.3	No change	No change	4	Abundant	Good	Good	88.5	69.4	69.4	3	3.08	9
shagbark hickory	1	Carya ovata	Medium	53.1	6.2	112.6	No change	Sm. dec.	4.4	Abundant	Good	Fair	84.9	65.4	65.4	2.95	2.88	10
sourwood	1	Oxydendrum arboreum	High	1.6	0.9	0.2	Sm. inc.	Sm. inc.	6.9	Rare	Good	Good	1.2	24.8	52.4	1	1	11
bur oak	1	Quercus macrocarpa	Medium	2.3	5.4	7.1	No change	No change	6.4	Common	Good	Good	3.6	21.6	41.1	1.62	1.07	12
red maple	1	Acer rubrum	High	100	23.4	1217.9	Sm. dec.	Lg. dec.	8.5	Abundant	Good	Good	91.4	13.8	13.8	5.94	3.81	13
sweetgum	1	Liquidambar styraciflua	High	0.4	0.5	0.3	Lg. inc.	Lg. inc.	4.1	Rare	Good	Good	0.9	7.4	27.7	1	1.11	14
pignut hickory	1	Carya glabra	Medium	7.8	3	18.4	No change	No change	4.7	Common	Fair	Fair	40.6	83.1	83.2	2.21	2.26	15
black willow	1	Salix nigra	Low	14	13.6	88.6	Sm. dec.	Sm. dec.	2.8	Abundant	Fair	Fair	74.8	82.1	82.1	3	2.68	16
black walnut	1	Juglans nigra	Low	15.8	4.6	26.9	No change	No change	4	Common	Fair	Fair	60.6	81.3	81.3	2.59	2.49	17
silver maple	1	Acer saccharinum	Low	14	9.1	71	Sm. dec.	Sm. dec.	5.6	Common	Fair	Fair	54.3	80.6	80.9	2.96	2.82	18
slippery elm	1	Ulmus rubra	Low	9.7	2.8	16.6	No change	No change	4.8	Common	Fair	Fair	58.9	80.5	81.7	2.69	2.52	19
boxelder	1	Acer negundo	Low	4.7	4.6	14.9	Sm. dec.	Sm. dec.	7.4	Common	Fair	Fair	30.3	79.8	85	2.33	2	20
sassafras	1	Sassafras albidum	Low	16.7	3.3	26.1	No change	Sm. dec.	4.2	Common	Fair	Poor	66.2	79.8	79.8	2.53	2.38	21
bigtooth aspen	1	Populus grandidentata	Medium	20.5	6.9	78.7	Lg. dec.	Lg. dec.	5.1	Abundant	Fair	Fair	88.8	77.1	77.1	3	0	22
mockernut hickory	1	Carya alba	Medium	1.6	4.2	3.4	No change	No change	5.4	Rare	Fair	Fair	9.3	76	85.7	1.59	1.41	23
blackgum	1	Nyssa sylvatica	Medium	25.5	3.9	40.5	Sm. dec.	Sm. dec.	5.9	Common	Fair	Fair	82.2	74	74	2.85	2.86	24
eastern hophornbeam; i	1	Ostrya virginiana	Low	22	2.3	33.3	Sm. dec.	Sm. dec.	6.4	Common	Fair	Fair	87.4	69	69	2.94	2.96	25
quaking aspen	1	Populus tremuloides	High	42	9.6	162.7	Lg. dec.	Lg. dec.	4.7	Abundant	Fair	Fair	69.5	65.8	66.2	3	3	26
pin oak	1	Quercus palustris	Low	24.3	10.3	87.3	Sm. dec.	Lg. dec.	2.8	Abundant	Fair	Poor	53.5	65.3	72	2.93	2.93	27
American beech	1	Fagus grandifolia	High	78.1	7.5	226.7	Sm. dec.	Sm. dec.	3.6	Abundant	Fair	Fair	91.2	46.7	46.7	3	3	28
white ash	1	Fraxinus americana	Medium	98.1	9.5	301.5	No change	No change	2.7	Abundant	Fair	Fair	91.4	38.4	38.4	4.19	3.19	29
Osage-orange	1	Maclura pomifera	Medium	0.8	12.8	6.9	Sm. dec.	Sm. dec.	6.3	Common	Fair	Fair	7.1	31.6	51.2	1	1.71	30
hackberry	1	Celtis occidentalis	Medium	0	0.6	0.2	No change	No change	5.7	Rare	Fair	Fair	0.5	24.2	49.6	1.01	1.04	31
black cherry	1	Prunus serotina	Medium	100	14.2	568.3	Sm. dec.	Sm. dec.	3	Abundant	Fair	Fair	91.4	20.2	20.2	5.51	3.08	32
serviceberry	0	Amelanchier spp.	Low	8.2	2.1	11.9	Sm. dec.	Sm. dec.	4.8	Common	Poor	Poor	76.2	83.8	83.9	3	3	33
sweet birch	2	Betula lenta	High	8.2	2.6	11.9	No change	Sm. dec.	3.2	Common	Poor	Poor	22.7	83.5	87	2.15	2.18	34
black locust	1	Robinia pseudoacacia	Low	14.8	8.3	43	Sm. dec.	No change	3.8	Common	Poor	Fair	89.8	81.4	81.4	3	2.98	35
eastern white pine	0	Pinus strobus	High	14.6	7.8	49.8	Sm. dec.	Lg. dec.	3.3	Common	Poor	Very Poor	55.7	81.2	81.2	2.5	2.16	36
scarlet oak	2	Quercus coccinea	Medium	4.3	1.9	4.8	No change	No change	4.6	Rare	Poor	Poor	7.8	77.2	85.6	1.81	1.74	37
flowering dogwood	2	Cornus florida	Medium	3.9	1	1.9	No change	No change	5	Rare	Poor	Poor	15.3	77.1	84.8	1.62	1.2	38
cucumbertree	0	Magnolia acuminata	Low	16.7	2.3	25	Sm. dec.	Lg. dec.	3.6	Common	Poor	Poor	75	76.5	76.5	3	3	39
American hornbeam; m	0	Carpinus caroliniana	Low	17	2.8	34.1	Lg. dec.	Lg. dec.	5.1	Common	Poor	Poor	87.5	74.3	74.3	3	3	40
eastern cottonwood	0	Populus deltoides	Low	12.6	8.7	30.6	Sm. dec.	Sm. dec.	3.9	Common	Poor	Poor	37.3	73.3	80.9	2.9	1.84	41
black ash	0	Fraxinus nigra	Medium	0.8	7.6	15.9	Sm. dec.	Sm. dec.	1.7	Common	Poor	Poor	15.2	72.9	83.6	0	0	42
swamp white oak	0	Quercus bicolor	Low	11.3	5.9	26.3	Lg. dec.	Lg. dec.	4.9	Common	Poor	Poor	40.9	72.9	79.1	2.56	0	43
yellow birch	0	Betula alleghaniensis	High	28.4	4.7	60.1	Lg. dec.	Lg. dec.	3.4	Common	Poor	Poor	69.7	70.8	71.7	3	3	44
American basswood	0	Tilia americana	Medium	45.5	5.1	67.4	Sm. dec.	Sm. dec.	4.6	Common	Poor	Poor	91.4	70.6	70.6	3	3	45
eastern hemlock	0	Tsuga canadensis	High	36.6	12.9	177.3	Lg. dec.	Lg. dec.	2.7	Abundant	Poor	Poor	52.1	68.1	70.4	3	3	46
sycamore	2	Platanus occidentalis	Low	3.9	6.4	21.1	Sm. dec.	Sm. dec.	4.8	Common	Poor	Poor	20.9	65.8	77.2	1.76	1.71	47
shingle oak	2	Quercus imbricaria	Medium	2.7	3.8	9.7	Sm. dec.	Sm. dec.	4.9	Common	Poor	Poor	18.2	53.2	69.2	2.03	1.9	48
black maple	0	Acer nigrum	Low	1.6	1.9	1.5	Sm. dec.	Very Lg. dec.	5.2	Rare	Poor	Lost	4.7	31.4	50.8	0	0	49
chinkapin oak	2	Quercus muehlenbergii	Medium	0.7	3	0.8	No change	No change	4.8	Rare	Poor	Poor	0.9	8.2	26.3	1	1.13	50
swamp chestnut oak	0	Quercus michauxii	Low	0.4	1.6	0.4	No change	Sm. dec.	4.6	Rare	Poor	Very Poor	0.9	4.3	14.1	0	0	51
striped maple	0	Acer pensylvanicum	Medium	0.4	0.4	0.3	Sm. dec.	Lg. dec.	5.1	Rare	Very Poor	Very Poor	5.2	61.4	78.5	0	0	52
pin cherry	0	Prunus pensylvanica	Low	2.7	1.9	3.6	Very Lg. dec.	Very Lg. dec.	4.2	Rare	Lost	Lost	48.4	85.6	87.2	0	0	53

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gray birch	0	Betula populifolia	Low	0.4	21.9	11.8	Very Lg. dec.	Very Lg. dec.	3.6	Common	Lost	Lost	15.4	76.2	85.3	0	0	54
red pine	0	Pinus resinosa	Medium	1.9	7.8	8.4	Very Lg. dec.	Very Lg. dec.	3	Common	Lost	Lost	6.6	48	69.6	0	0	55
white spruce	0	Picea glauca	Medium	0.4	9.1	2.4	Very Lg. dec.	Very Lg. dec.	3.9	Rare	Lost	Lost	8.5	44.9	64	0	0	56
jack pine	0	Pinus banksiana	Medium	0	0	0	Unknown	Unknown	5.2	Absent	Unknown	Unknown	0	4.8	25.6	0	0	57
paper birch	0	Betula papyrifera	High	0.4	0	0	Unknown	Unknown	3.4	Modeled	Unknown	Unknown	0	4.7	26.8	0	0	58
shellbark hickory	0	Carya laciniosa	Low	0.4	0	0	Unknown	Unknown	3.7	Modeled	Unknown	Unknown	0	4.2	15.9	0	0	59
mountain maple	0	Acer spicatum	Low	0	0	0	Unknown	Unknown	5.9	Absent	Unknown	Unknown	0	1.1	8.7	0	0	60
American mountain-ash	0	Sorbus americana	Low	0	0	0	Unknown	Unknown	3.1	Absent	Unknown	Unknown	0	1	9.6	NA	NA	61
cittamwood/gum bumel	0	Sideroxylon lanuginosum ssp.	Low	0	0	0	Unknown	New Habitat	5.6	Absent	Unknown	New Habitat	0	0	0	0	0	62
bigleaf magnolia	0	Magnolia macrophylla	Low	0	0	0	Unknown	Unknown	4.4	Absent	Unknown	Unknown	0	0	0.8	0	0	63
bluejack oak	0	Quercus incana	Low	0	0	0	Unknown	Unknown	4.8	Absent	Unknown	Unknown	0	0	0	0	0	64
ashe juniper	0	Juniperus ashei	High	0	0	0	New Habitat	New Habitat	NA	Absent	New Habitat	New Habitat	NA	NA	NA	NA	NA	65
eastern redbud	3	Cercis canadensis	Low	0	0	0	New Habitat	New Habitat	4.9	Absent	New Habitat	New Habitat	0.6	43.2	68.2	1	1.06	66
Virginia pine	3	Pinus virginiana	High	3.1	0	0	New Habitat	New Habitat	3.8	Absent	New Habitat	New Habitat	0	35.6	65.6	1	1	67
red mulberry	3	Morus rubra	Low	0	0	0	New Habitat	New Habitat	4.7	Absent	New Habitat	New Habitat	0.9	23.1	44.8	0	1	68
eastern redcedar	3	Juniperus virginiana	Medium	0	0	0	New Habitat	New Habitat	3.9	Absent	New Habitat	New Habitat	0	13.2	44.8	1.42	3.99	69
honeylocust	3	Gleditsia triacanthos	Low	0	0	0	New Habitat	New Habitat	5.5	Absent	New Habitat	New Habitat	0	10.9	33.9	1	1	70
common persimmon	3	Diospyros virginiana	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	5.3	27.1	1	1	71
loblolly pine	3	Pinus taeda	High	0	0	0	New Habitat	New Habitat	3.4	Absent	New Habitat	New Habitat	0	2	17.3	0	2.54	72
southern red oak	3	Quercus falcata	Medium	0	0	0	New Habitat	New Habitat	5.3	Absent	New Habitat	New Habitat	0	1	12.9	0	1	73
shortleaf pine	3	Pinus echinata	High	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	0.3	6.6	1	1.39	74
post oak	3	Quercus stellata	High	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	0.1	3.6	2.01	5.8	75
winged elm	3	Ulmus alata	Medium	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	0.1	3.7	0	1.11	76
florida maple	3	Acer barbatum	Low	0	0	0	New Habitat	New Habitat	6.1	Absent	New Habitat	New Habitat	0	0	0.2	0	0	77
pecan	3	Carya illinoensis	Low	0	0	0	New Habitat	New Habitat	2.2	Absent	New Habitat	New Habitat	0	0	0.1	0	1	78
black hickory	0	Carya texana	High	0	0	0	New Habitat	New Habitat	4.1	Absent	New Habitat	New Habitat	0	0	0	0	0	79
sugarberry	3	Celtis laevigata	Medium	0	0	0	New Habitat	New Habitat	4.6	Absent	New Habitat	New Habitat	0	0	0.2	0	1.12	80
blackjack oak	3	Quercus marilandica	Medium	0	0	0	New Habitat	New Habitat	5.6	Absent	New Habitat	New Habitat	0	0	0.4	0	2.81	81
chokecherry	0	Prunus virginiana	FIA Only	4.7	7.6	13.1	Unknown	Unknown	3.8	Common	FIA Only	FIA Only	68.9	89	89	0	0	82
butternut	0	Juglans cinerea	FIA Only	0.8	5.9	3.2	Unknown	Unknown	2.3	Rare	FIA Only	FIA Only	10.6	53.3	71.9	NA	NA	83
American chestnut	0	Castanea dentata	FIA Only	2.3	0.5	0.1	Unknown	Unknown	4.5	Rare	FIA Only	FIA Only	0.9	27.2	45.7	0	0	84
peachleaf willow	0	Salix amygdaloides	FIA Only	0.4	3.8	1	Unknown	Unknown	3.4	Rare	FIA Only	FIA Only	4.8	12	20.8	0	0	85
Norway spruce	0	Picea abies	FIA Only	6.8	11.5	56.2	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	86
Scotch pine	0	Pinus sylvestris	FIA Only	11.4	14.9	54.2	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	87
ailanthus	0	Ailanthus altissima	FIA Only	3.5	6.7	14.3	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	88