

Subsection_222Wd_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
yellow-poplar	1	Liriodendron tulipifera	High	57.1	6	54	Sm. inc.	No change	5.3	Common	Very Good	Good	83.5	57.6	57.6	3.98	3	1
white oak	1	Quercus alba	Medium	56.3	3.8	60.7	Sm. inc.	Sm. inc.	6.1	Common	Very Good	Very Good	72	44.9	44.9	3.39	2.95	2
northern red oak	1	Quercus rubra	Medium	94.1	5.5	80.2	No change	No change	5.4	Abundant	Very Good	Very Good	81.6	43	43	2.96	2.96	3
black walnut	1	Juglans nigra	Low	84	6.2	107.7	Sm. inc.	Sm. inc.	4	Abundant	Very Good	Very Good	83.5	42	42	3.11	3	4
hackberry	1	Celtis occidentalis	Medium	17.6	1.1	4.6	Sm. inc.	Sm. inc.	5.7	Rare	Good	Good	35.9	67.9	68.1	2.07	2.09	5
blackgum	1	Nyssa sylvatica	Medium	31.1	3	26.9	No change	No change	5.9	Common	Good	Good	75	66.3	66.3	2.97	2.98	6
black locust	1	Robinia pseudoacacia	Low	58	7.2	89.2	No change	Sm. inc.	3.8	Abundant	Good	Very Good	83.5	57.6	57.6	3	3	7
sweet birch	1	Betula lenta	High	10.9	2.7	10.5	Lg. inc.	Lg. inc.	3.2	Common	Good	Good	12.3	55.9	69	0	0	8
black oak	1	Quercus velutina	High	44.5	3.9	53.2	Sm. inc.	Sm. inc.	4.9	Common	Good	Good	65.4	48.5	48.5	2.71	3.63	9
shagbark hickory	1	Carya ovata	Medium	73.9	4.5	45	Sm. inc.	No change	4.4	Common	Good	Fair	83.5	47	47	3	3	10
green ash	1	Fraxinus pennsylvanica	Low	74.8	6.8	97.4	No change	Sm. inc.	4	Abundant	Good	Very Good	83.5	42.7	42.7	3	3.37	11
bitternut hickory	1	Carya cordiformis	Low	68.1	4.5	58.6	No change	No change	5.6	Common	Good	Good	83.3	40.3	40.3	3	3	12
bur oak	1	Quercus macrocarpa	Medium	5	2.2	6.8	No change	No change	6.4	Common	Good	Good	17.3	36.7	52.5	0	1.9	13
sugar maple	1	Acer saccharum	High	100	17.3	420.4	Sm. dec.	Sm. dec.	5.8	Abundant	Good	Good	83.5	14.9	14.9	4.84	3.74	14
American elm	1	Ulmus americana	Medium	98.3	6.8	170.2	No change	Sm. inc.	4	Abundant	Good	Very Good	83.5	14.6	14.6	4.11	5.6	15
red maple	1	Acer rubrum	High	88.2	12	352.8	Sm. dec.	Lg. dec.	8.5	Abundant	Good	Good	83.5	9.6	9.6	4.12	3	16
black willow	1	Salix nigra	Low	8.4	25	75.5	Sm. dec.	Sm. dec.	2.8	Abundant	Fair	Fair	47.9	80.1	80.1	3	2.47	17
silver maple	1	Acer saccharinum	Low	8.4	15.1	38.6	Sm. dec.	Sm. dec.	5.6	Common	Fair	Fair	54.3	75.9	75.9	2.56	2.6	18
honeylocust	1	Gleditsia triacanthos	Low	18.5	8.4	20.5	Sm. dec.	Sm. dec.	5.5	Common	Fair	Fair	42.5	74.2	75.1	2.24	2.62	19
Osage-orange	1	Maclura pomifera	Medium	10.9	29.4	53.7	Lg. dec.	Lg. dec.	6.3	Common	Fair	Fair	40.9	73.4	73.6	2.41	2.08	20
boxelder	1	Acer negundo	Low	23.5	9.4	55.1	Lg. dec.	Lg. dec.	7.4	Common	Fair	Fair	78	70	70	2.9	2.92	21
mockernut hickory	1	Carya alba	Medium	13.4	3.8	20.2	Sm. dec.	Sm. dec.	5.4	Common	Fair	Fair	61.7	67.3	67.3	2.92	2.67	22
Virginia pine	1	Pinus virginiana	High	7.6	2.5	5.9	No change	No change	3.8	Common	Fair	Fair	9.4	66.1	74.9	0	1.01	23
pignut hickory	1	Carya glabra	Medium	26.9	2.1	21.5	No change	No change	4.7	Common	Fair	Fair	69.1	56.6	56.6	2.81	2.82	24
eastern hophornbeam; i	1	Ostrya virginiana	Low	31.1	3.5	42.1	Sm. dec.	Lg. dec.	6.4	Common	Fair	Fair	83.5	55.6	55.6	3	3	25
American beech	1	Fagus grandifolia	High	80.7	6.9	91.8	Sm. dec.	Lg. dec.	3.6	Abundant	Fair	Fair	82.3	40.2	40.2	2.97	3	26
white ash	1	Fraxinus americana	Medium	100	9.6	271.9	No change	No change	2.7	Abundant	Fair	Fair	83.5	16.5	16.5	3.69	3.42	27
black cherry	1	Prunus serotina	Medium	100	13.4	352.2	Sm. dec.	Lg. dec.	3	Abundant	Fair	Poor	83.5	7.2	7.2	4.91	3	28
American hornbeam; m	0	Carpinus caroliniana	Low	4.2	1.8	6.1	Sm. dec.	Sm. dec.	5.1	Common	Poor	Poor	46	78.8	78.8	0	3	29
cucumbertree	0	Magnolia acuminata	Low	5.9	4.1	12.7	Sm. dec.	Sm. dec.	3.6	Common	Poor	Poor	29.7	76.8	78.1	0	0	30
eastern cottonwood	0	Populus deltoides	Low	9.2	6.8	21.2	Sm. dec.	Sm. dec.	3.9	Common	Poor	Poor	50.3	76.8	76.9	1.11	2.45	31
scarlet oak	2	Quercus coccinea	Medium	3.4	3.3	13.5	Sm. dec.	Sm. dec.	4.6	Common	Poor	Poor	24.1	75.9	76.2	1.64	2.29	32
shingle oak	1	Quercus imbricaria	Medium	3.4	4.8	10.5	Sm. dec.	No change	4.9	Common	Poor	Fair	10.3	75	79.4	0	2	33
pin oak	0	Quercus palustris	Low	10.9	8.8	36.1	Sm. dec.	Sm. dec.	2.8	Common	Poor	Poor	35.3	74.8	75.6	2.97	2.16	34
chestnut oak	2	Quercus prinus	High	0.8	6.4	3.5	Sm. dec.	Sm. dec.	6.1	Rare	Poor	Poor	1.2	69.7	79.8	1.01	1.01	35
Ohio buckeye	0	Aesculus glabra	Low	13.4	2.2	6	Sm. dec.	Sm. dec.	3.5	Common	Poor	Poor	70.1	68.2	68.2	0	0	36
red mulberry	0	Morus rubra	Low	0	0.8	0.4	No change	No change	4.7	Rare	Poor	Poor	16.2	68	75.4	0	0	37
sycamore	1	Platanus occidentalis	Low	25.2	6.2	42.3	Sm. dec.	No change	4.8	Common	Poor	Fair	60.1	66.1	66.1	2.64	2.64	38
flowering dogwood	0	Cornus florida	Medium	10.1	1.7	11.6	Sm. dec.	Sm. dec.	5	Common	Poor	Poor	79.1	61.9	61.9	3	3	39
American basswood	0	Tilia americana	Medium	43.7	3	20.7	Lg. dec.	Lg. dec.	4.6	Common	Poor	Poor	77.7	60.1	60.1	2.88	3	40
swamp white oak	0	Quercus bicolor	Low	1.7	11.1	6.1	Sm. dec.	Sm. dec.	4.9	Common	Poor	Poor	5.4	59	72.5	0	0	41
sourwood	0	Oxydendrum arboreum	High	0.8	6.9	3.8	Sm. dec.	Sm. dec.	6.9	Rare	Poor	Poor	3.8	58.5	74.5	0	0	42
sassafras	0	Sassafras albidum	Low	33.6	5.9	61.2	Sm. dec.	Sm. dec.	4.2	Common	Poor	Poor	83.5	57	57	3	3	43
black maple	0	Acer nigrum	Low	8.4	1.7	4.3	Sm. dec.	Lg. dec.	5.2	Rare	Poor	Poor	14.1	55.2	67.7	0	0	44
sweetgum	2	Liquidambar styraciflua	High	4.2	20	11	Sm. dec.	Sm. dec.	4.1	Common	Poor	Poor	9.2	42.6	62.7	0	1.72	45
slippery elm	1	Ulmus rubra	Low	68.9	5.2	69.4	Sm. dec.	No change	4.8	Common	Poor	Fair	83.2	41.8	41.8	2.99	2.99	46
serviceberry	0	Amelanchier spp.	Low	5	1.4	2.3	Sm. dec.	Sm. dec.	4.8	Rare	Very Poor	Very Poor	51.5	77.5	77.5	0	0	47
pawpaw	0	Asimina triloba	Low	0.8	1.3	0.7	Lg. dec.	Very Lg. dec.	3.7	Rare	Very Poor	Lost	9.2	67.7	77.6	0	0	48
red pine	0	Pinus resinosa	Medium	5	5.8	10.8	Lg. dec.	Very Lg. dec.	3	Common	Very Poor	Lost	14.9	59.3	69.7	0	0	49
eastern hemlock	0	Tsuga canadensis	High	4.2	3.9	4.7	Lg. dec.	Very Lg. dec.	2.7	Rare	Very Poor	Lost	10.4	59	73.4	0	0	50
shellbark hickory	0	Carya laciniosa	Low	0.8	1.8	2	Sm. dec.	Sm. dec.	3.7	Rare	Very Poor	Very Poor	3.1	29.5	51.5	0	0	51
yellow buckeye	0	Aesculus flava	Low	0.8	0.6	0.3	Very Lg. dec.	Very Lg. dec.	3.1	Rare	Lost	Lost	11.8	79.3	82.5	0	0	52
pin cherry	0	Prunus pensylvanica	Low	0.8	8.1	4.5	Very Lg. dec.	Very Lg. dec.	4.2	Rare	Lost	Lost	14.8	78.5	81.7	0	0	53

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black ash	0	Fraxinus nigra	Medium	5	9.2	9.6	Very Lg. dec.	Very Lg. dec.	1.7	Common	Lost	Lost	37.4	70.4	74	0	0	54
eastern white pine	0	Pinus strobus	High	14.3	9	41.8	Very Lg. dec.	Very Lg. dec.	3.3	Common	Lost	Lost	59.9	69.5	69.5	0	0	55
bigtooth aspen	0	Populus grandidentata	Medium	16.8	2.8	28.5	Very Lg. dec.	Very Lg. dec.	5.1	Common	Lost	Lost	71.8	68.7	68.7	0	0	56
quaking aspen	0	Populus tremuloides	High	0.8	1.4	0.8	Very Lg. dec.	Very Lg. dec.	4.7	Rare	Lost	Lost	5.3	50.2	68.2	0	0	57
blue ash	0	Fraxinus quadrangulata	Low	0	0	0	Unknown	Unknown	2.7	Absent	Unknown	Unknown	0	7	29.5	0	0	58
slash pine	0	Pinus elliottii	High	0	0	0	Unknown	Unknown	4.3	Absent	Unknown	Unknown	0	0	0	0	0	59
bluejack oak	0	Quercus incana	Low	0	0	0	Unknown	Unknown	4.8	Absent	Unknown	Unknown	0	0	0	0	0	60
eastern redbud	3	Cercis canadensis	Low	0	0	0	New Habitat	New Habitat	4.9	Absent	New Habitat	New Habitat	13.1	82.4	83.2	2.68	1.65	61
eastern redcedar	3	Juniperus virginiana	Medium	0	0	0	New Habitat	New Habitat	3.9	Absent	New Habitat	New Habitat	0	44.8	68.1	1.02	4	62
common persimmon	3	Diospyros virginiana	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	34.6	60.5	1.12	1.01	63
chinkapin oak	3	Quercus muehlenbergii	Medium	0	0	0	New Habitat	New Habitat	4.8	Absent	New Habitat	New Habitat	0	24.1	52.2	1	1	64
shortleaf pine	3	Pinus echinata	High	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	2.9	18.9	0	1	65
southern red oak	3	Quercus falcata	Medium	0	0	0	New Habitat	New Habitat	5.3	Absent	New Habitat	New Habitat	0	2.6	18.7	0	1	66
winged elm	3	Ulmus alata	Medium	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	2.1	17	0	1.21	67
post oak	3	Quercus stellata	High	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	2	15.7	1.1	6.05	68
pecan	3	Carya illinoensis	Low	0	0	0	New Habitat	New Habitat	2.2	Absent	New Habitat	New Habitat	0	0	0.3	0	1	69
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	70
sugarberry	3	Celtis laevigata	Medium	0	0	0	New Habitat	New Habitat	4.6	Absent	New Habitat	New Habitat	0	0	1.4	0	1	71
blackjack oak	3	Quercus marilandica	Medium	0	0	0	New Habitat	New Habitat	5.6	Absent	New Habitat	New Habitat	0	0	0.5	0	1.68	72
chokecherry	0	Prunus virginiana	FIA Only	3.4	7.5	5.5	Unknown	Unknown	3.8	Common	FIA Only	FIA Only	42.5	80.7	80.7	0	0	73
butternut	0	Juglans cinerea	FIA Only	0.8	1.3	0.7	Unknown	Unknown	2.3	Rare	FIA Only	FIA Only	4.9	37.5	59.5	NA	NA	74
Norway spruce	0	Picea abies	FIA Only	0.8	5.3	13.4	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	75
Scotch pine	0	Pinus sylvestris	FIA Only	3.4	20.4	11.3	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	76
Norway maple	0	Acer platanoides	FIA Only	6.7	0.6	0.3	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	77
ailanthus	0	Ailanthus altissima	FIA Only	12.6	5.8	28.3	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	78
white mulberry	0	Morus alba	FIA Only	0.8	8.6	4.7	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	79