

HUC6_Muskingum_Distrib2

HUC6 Watersheds Distrib2 Output for Species Current and Potential Future Habitat and Capability

Landscape Change Research Group
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| Common_Name | PC | Scientific_Name | ModRel | %CellFIA | FIAiv | FIAsum | ChngCl45 | ChngCl85 | Adap | Abund | Capabil45 | Capabil85 | %OccCol | %2Col | %AnyCol | HQCL45 | HQCL85 | N |
|------------------------|----|-------------------------|--------|----------|-------|--------|-----------|---------------|------|----------|-----------|-----------|---------|-------|---------|--------|--------|----|
| blackgum | 1 | Nyssa sylvatica | Medium | 48.1 | 4.7 | 81 | No change | No change | 5.9 | Abundant | Very Good | Very Good | 86 | 58.2 | 58.2 | 2.99 | 2.99 | 1 |
| bitternut hickory | 1 | Carya cordiformis | Low | 48.3 | 4.8 | 77.6 | No change | No change | 5.6 | Abundant | Very Good | Very Good | 88.4 | 54.8 | 54.8 | 2.99 | 2.99 | 2 |
| black oak | 1 | Quercus velutina | High | 65.3 | 4.5 | 101.9 | Sm. inc. | Lg. inc. | 4.9 | Abundant | Very Good | Very Good | 78 | 48.2 | 48.2 | 2.85 | 4.64 | 3 |
| white oak | 1 | Quercus alba | Medium | 75.8 | 6 | 144.3 | Sm. inc. | Sm. inc. | 6.1 | Abundant | Very Good | Very Good | 83.1 | 47.8 | 47.8 | 4.49 | 3.15 | 4 |
| yellow-poplar | 1 | Liriodendron tulipifera | High | 77 | 9.1 | 221.6 | No change | Sm. dec. | 5.3 | Abundant | Very Good | Good | 88.4 | 47.4 | 47.4 | 4.32 | 3 | 5 |
| eastern redcedar | 1 | Juniperus virginiana | Medium | 0 | 0.4 | 0 | Lg. inc. | Lg. inc. | 3.9 | Absent | Very Good | Very Good | 0.2 | 46.2 | 71.3 | 1.45 | 4 | 6 |
| northern red oak | 1 | Quercus rubra | Medium | 92.2 | 5 | 111.8 | No change | No change | 5.4 | Abundant | Very Good | Very Good | 88.3 | 42.6 | 42.6 | 2.99 | 2.99 | 7 |
| sugar maple | 1 | Acer saccharum | High | 97.7 | 12.7 | 335.1 | No change | No change | 5.8 | Abundant | Very Good | Very Good | 88.7 | 30.5 | 30.5 | 4.39 | 4.35 | 8 |
| silver maple | 1 | Acer saccharinum | Low | 13 | 14.5 | 88.9 | Lg. dec. | Lg. dec. | 5.6 | Abundant | Good | Good | 73 | 77.4 | 77.4 | 2.73 | 2.91 | 9 |
| honeylocust | 1 | Gleditsia triacanthos | Low | 9.8 | 5.1 | 15.8 | No change | Sm. dec. | 5.5 | Common | Good | Fair | 47.2 | 77.2 | 80.1 | 2.1 | 2.46 | 10 |
| mockernut hickory | 1 | Carya alba | Medium | 19.8 | 3.3 | 27.1 | No change | Sm. inc. | 5.4 | Common | Good | Very Good | 78.1 | 70.3 | 70.3 | 2.93 | 2.84 | 11 |
| pignut hickory | 1 | Carya glabra | Medium | 22.5 | 2.7 | 27.3 | Sm. inc. | No change | 4.7 | Common | Good | Fair | 66.4 | 69.6 | 69.6 | 2.68 | 2.69 | 12 |
| black maple | 1 | Acer nigrum | Low | 4.7 | 2.4 | 6.6 | No change | No change | 5.2 | Common | Good | Good | 16.3 | 67.3 | 77 | 0 | 0 | 13 |
| green ash | 1 | Fraxinus pennsylvanica | Low | 53.8 | 5 | 80.3 | No change | No change | 4 | Abundant | Good | Good | 88 | 51.2 | 51.2 | 2.99 | 3.12 | 14 |
| black walnut | 1 | Juglans nigra | Low | 69.9 | 5.5 | 111 | No change | Sm. inc. | 4 | Abundant | Good | Very Good | 88.5 | 50.7 | 50.7 | 3.07 | 3 | 15 |
| shagbark hickory | 1 | Carya ovata | Medium | 76.5 | 4.5 | 78.6 | No change | No change | 4.4 | Abundant | Good | Good | 88.7 | 49.1 | 49.1 | 3 | 3 | 16 |
| sassafras | 1 | Sassafras albidum | Low | 62.5 | 5.6 | 121.2 | No change | Sm. dec. | 4.2 | Abundant | Good | Fair | 88.7 | 48 | 48 | 3.02 | 3 | 17 |
| American elm | 1 | Ulmus americana | Medium | 99 | 7 | 249.1 | No change | No change | 4 | Abundant | Good | Good | 88.7 | 19 | 19 | 3.49 | 5.38 | 18 |
| red maple | 1 | Acer rubrum | High | 97.2 | 12.4 | 484.7 | Lg. dec. | Lg. dec. | 8.5 | Abundant | Good | Good | 88.7 | 14.2 | 14.2 | 4.66 | 3 | 19 |
| Osage-orange | 1 | Maclura pomifera | Medium | 7.2 | 18.8 | 26.3 | Sm. dec. | Sm. dec. | 6.3 | Common | Fair | Fair | 32.1 | 82.4 | 82.7 | 2.37 | 1.96 | 20 |
| Ohio buckeye | 1 | Aesculus glabra | Low | 8.5 | 2.4 | 6.5 | No change | No change | 3.5 | Common | Fair | Fair | 46 | 79.7 | 80.2 | 0 | 0 | 21 |
| hackberry | 1 | Celtis occidentalis | Medium | 6 | 1.4 | 4.3 | No change | No change | 5.7 | Rare | Fair | Fair | 21.6 | 79.7 | 81.2 | 1.95 | 1.72 | 22 |
| Virginia pine | 1 | Pinus virginiana | High | 4 | 4.8 | 7.2 | No change | No change | 3.8 | Common | Fair | Fair | 16.2 | 77.5 | 83.9 | 2.68 | 1.39 | 23 |
| chestnut oak | 1 | Quercus prinus | High | 5.9 | 4.7 | 19.2 | Sm. dec. | Sm. dec. | 6.1 | Common | Fair | Fair | 19.2 | 75.8 | 80.4 | 1.88 | 1.8 | 24 |
| boxelder | 1 | Acer negundo | Low | 19 | 6.1 | 45.4 | Lg. dec. | Sm. dec. | 7.4 | Common | Fair | Fair | 83.1 | 71.3 | 71.3 | 2.88 | 2.92 | 25 |
| bigtooth aspen | 1 | Populus grandidentata | Medium | 37.2 | 6.4 | 96.1 | Lg. dec. | Lg. dec. | 5.1 | Abundant | Fair | Fair | 83.3 | 64.1 | 64.1 | 0 | 0 | 26 |
| eastern hophornbeam; i | 1 | Ostrya virginiana | Low | 29.4 | 3.2 | 45.1 | Lg. dec. | Lg. dec. | 6.4 | Common | Fair | Fair | 88.7 | 62.3 | 62.3 | 3 | 3 | 27 |
| black locust | 1 | Robinia pseudoacacia | Low | 62.1 | 8.7 | 145.6 | Sm. dec. | No change | 3.8 | Abundant | Fair | Good | 88.7 | 59.7 | 59.7 | 3.01 | 3.01 | 28 |
| American beech | 1 | Fagus grandifolia | High | 70.3 | 5.8 | 100.2 | Sm. dec. | Lg. dec. | 3.6 | Abundant | Fair | Fair | 85.6 | 50.3 | 50.3 | 2.95 | 3 | 29 |
| slippery elm | 1 | Ulmus rubra | Low | 75.4 | 5 | 101.3 | Sm. dec. | No change | 4.8 | Abundant | Fair | Good | 88.6 | 45.5 | 45.5 | 3 | 3 | 30 |
| white ash | 1 | Fraxinus americana | Medium | 98.1 | 7.6 | 217.5 | No change | No change | 2.7 | Abundant | Fair | Fair | 88.7 | 29.1 | 29.1 | 3.34 | 3.1 | 31 |
| bur oak | 1 | Quercus macrocarpa | Medium | 2.7 | 2.2 | 3.4 | No change | No change | 6.4 | Rare | Fair | Fair | 6.9 | 16.8 | 34.6 | 0 | 1.95 | 32 |
| black cherry | 1 | Prunus serotina | Medium | 100 | 13.9 | 520.5 | Sm. dec. | Lg. dec. | 3 | Abundant | Fair | Poor | 88.7 | 12 | 12 | 4.17 | 3 | 33 |
| eastern redbud | 0 | Cercis canadensis | Low | 3.1 | 2.4 | 6 | Sm. dec. | Sm. dec. | 4.9 | Common | Poor | Poor | 47 | 84 | 84.5 | 2.81 | 2.3 | 34 |
| black willow | 0 | Salix nigra | Low | 8 | 17.1 | 44.9 | No change | Sm. dec. | 2.8 | Common | Poor | Poor | 48.3 | 83.9 | 84 | 3 | 2.43 | 35 |
| cumbertree | 0 | Magnolia acuminata | Low | 5.8 | 3 | 10 | Sm. dec. | Sm. dec. | 3.6 | Common | Poor | Poor | 30.2 | 82.4 | 83.3 | 0 | 0 | 36 |
| eastern cottonwood | 1 | Populus deltoides | Low | 9.5 | 7.3 | 32.9 | Sm. dec. | No change | 3.9 | Common | Poor | Fair | 59.8 | 80.8 | 80.9 | 1.84 | 2.45 | 37 |
| yellow buckeye | 0 | Aesculus flava | Low | 3.5 | 4.4 | 12.4 | Sm. dec. | Sm. dec. | 3.1 | Common | Poor | Poor | 31.2 | 80.6 | 83.2 | 0 | 0 | 38 |
| scarlet oak | 0 | Quercus coccinea | Medium | 6.5 | 2.3 | 11 | Sm. dec. | Sm. dec. | 4.6 | Common | Poor | Poor | 32.3 | 79.7 | 80.1 | 2.19 | 2.04 | 39 |
| pin oak | 0 | Quercus palustris | Low | 8.4 | 4 | 13.6 | No change | Sm. dec. | 2.8 | Common | Poor | Poor | 30.6 | 78.6 | 80.8 | 2.73 | 1.95 | 40 |
| American hornbeam; m | 0 | Carpinus caroliniana | Low | 10.4 | 1.8 | 12.6 | Lg. dec. | Lg. dec. | 5.1 | Common | Poor | Poor | 67.9 | 77.4 | 77.4 | 3 | 3 | 41 |
| shingle oak | 1 | Quercus imbricaria | Medium | 4.1 | 3.9 | 11.8 | Sm. dec. | No change | 4.9 | Common | Poor | Fair | 20.2 | 77 | 81.5 | 2.98 | 1.54 | 42 |
| American basswood | 0 | Tilia americana | Medium | 25.4 | 3.3 | 18.8 | Lg. dec. | Lg. dec. | 4.6 | Common | Poor | Poor | 65 | 75.6 | 75.6 | 2.88 | 3 | 43 |
| eastern white pine | 0 | Pinus strobus | High | 20.4 | 10.4 | 79.4 | Lg. dec. | Very Lg. dec. | 3.3 | Abundant | Poor | Lost | 73.9 | 73.5 | 73.5 | 2.89 | 0 | 44 |
| red mulberry | 2 | Morus rubra | Low | 0.5 | 4 | 5.1 | Lg. dec. | Lg. dec. | 3.7 | Common | Poor | Poor | 17.2 | 71.6 | 81.6 | 1.35 | 1.07 | 45 |
| sourwood | 2 | Oxydendrum arboreum | High | 0.1 | 1.7 | 0.3 | Sm. dec. | Sm. dec. | 6.9 | Rare | Poor | Poor | 4 | 70.5 | 82.4 | 1.02 | 1 | 46 |
| sycamore | 1 | Platanus occidentalis | Low | 28.2 | 5.9 | 61.5 | Sm. dec. | No change | 4.8 | Common | Poor | Fair | 73 | 68.7 | 68.7 | 2.75 | 2.77 | 47 |
| sweetgum | 2 | Liquidambar styraciflua | High | 3 | 13.2 | 7.7 | Sm. dec. | Sm. dec. | 4.1 | Common | Poor | Poor | 11.5 | 62 | 76 | 1 | 1.6 | 48 |
| flowering dogwood | 0 | Cornus florida | Medium | 18.8 | 1.8 | 26.1 | Sm. dec. | Sm. dec. | 5 | Common | Poor | Poor | 83 | 61.7 | 61.7 | 3 | 3 | 49 |
| swamp white oak | 1 | Quercus bicolor | Low | 3.5 | 9.3 | 5.9 | Sm. dec. | No change | 4.9 | Common | Poor | Fair | 7.4 | 55.9 | 72.7 | 2.6 | 0 | 50 |
| quaking aspen | 0 | Populus tremuloides | High | 3.2 | 4 | 1.8 | No change | No change | 4.7 | Rare | Poor | Poor | 6.1 | 52.6 | 72.2 | 0 | 0 | 51 |
| common persimmon | 1 | Diospyros virginiana | Low | 0.8 | 5.2 | 1.5 | Sm. dec. | No change | 5.8 | Rare | Poor | Fair | 5.8 | 48.1 | 69.8 | 1 | 1.21 | 52 |
| shellbark hickory | 0 | Carya laciniosa | Low | 1 | 2.1 | 1.8 | No change | No change | 3.7 | Rare | Poor | Poor | 4.3 | 31.3 | 53.4 | 0 | 0 | 53 |

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| Common_Name | PC | Scientific_Name | ModRel | %CellFIA | FIAiv | FIAsum | ChngCI45 | ChngCI85 | Adap | Abund | Capabil45 | Capabil85 | %OccCol | %2Col | %AnyCol | HQCL45 | HQCL85 | N |
|-----------------------|----|------------------------------|----------|----------|-------|--------|---------------|---------------|------|---------|-------------|-------------|---------|-------|---------|--------|--------|----|
| serviceberry | 0 | Amelanchier spp. | Low | 2.9 | 1.4 | 1.2 | Sm. dec. | Sm. dec. | 4.8 | Rare | Very Poor | Very Poor | 32.9 | 86.1 | 86.1 | 0 | 0 | 54 |
| pitch pine | 0 | Pinus rigida | High | 1 | 1.2 | 0.7 | Sm. dec. | Very Lg. dec. | 3.8 | Rare | Very Poor | Lost | 14.2 | 77.3 | 84.2 | 0 | 0 | 55 |
| pawpaw | 0 | Asimina triloba | Low | 2.3 | 2.6 | 2.6 | Sm. dec. | No change | 3.7 | Rare | Very Poor | Poor | 14 | 76.9 | 83.7 | 0 | 0 | 56 |
| eastern hemlock | 0 | Tsuga canadensis | High | 2.4 | 3.9 | 2.4 | Lg. dec. | Very Lg. dec. | 2.7 | Rare | Very Poor | Lost | 4.7 | 61.5 | 79 | 0 | 0 | 57 |
| red pine | 0 | Pinus resinosa | Medium | 5.6 | 4.1 | 12.1 | Lg. dec. | Very Lg. dec. | 3 | Common | Very Poor | Lost | 14.9 | 59.3 | 72.8 | 0 | 0 | 58 |
| river birch | 0 | Betula nigra | Low | 0.6 | 5.2 | 3.5 | Sm. dec. | Sm. dec. | 3.7 | Rare | Very Poor | Very Poor | 10.3 | 58.9 | 73.5 | 0 | 0 | 59 |
| chinkapin oak | 2 | Quercus muehlenbergii | Medium | 0.4 | 3.9 | 1 | Sm. dec. | No change | 4.8 | Rare | Very Poor | Poor | 2.2 | 33.5 | 59.2 | 1.26 | 1.28 | 60 |
| pin cherry | 0 | Prunus pensylvanica | Low | 0.4 | 8.1 | 0.1 | Very Lg. dec. | Sm. dec. | 4.2 | Rare | Lost | Very Poor | 4.5 | 80 | 86.8 | 0 | 0 | 61 |
| sweet birch | 0 | Betula lenta | High | 5.2 | 0.9 | 0.5 | Very Lg. dec. | Very Lg. dec. | 3.2 | Rare | Lost | Lost | 3.9 | 72.2 | 81.8 | 0 | 0 | 62 |
| black ash | 0 | Fraxinus nigra | Medium | 2.9 | 9.2 | 5 | Very Lg. dec. | Very Lg. dec. | 1.7 | Rare | Lost | Lost | 15.4 | 52.2 | 69 | 0 | 0 | 63 |
| yellow birch | 0 | Betula alleghaniensis | High | 0 | 0 | 0 | Unknown | Unknown | 3.4 | Absent | Unknown | Unknown | 0 | 42.9 | 69.4 | 0 | 0 | 64 |
| striped maple | 0 | Acer pensylvanicum | Medium | 0 | 0 | 0 | Unknown | Unknown | 5.1 | Absent | Unknown | Unknown | 0 | 27.5 | 57.4 | 0 | 0 | 65 |
| blue ash | 0 | Fraxinus quadrangulata | Low | 0 | 0 | 0 | Unknown | Unknown | 2.7 | Absent | Unknown | Unknown | 0 | 4.3 | 23.1 | 0 | 0 | 66 |
| red spruce | 0 | Picea rubens | High | 0.5 | 0 | 0 | Unknown | Unknown | 2.9 | Modeled | Unknown | Unknown | 0 | 2.2 | 17 | 0 | 0 | 67 |
| bigleaf magnolia | 0 | Magnolia macrophylla | Low | 0 | 0 | 0 | Unknown | Unknown | 4.4 | Absent | Unknown | Unknown | 0 | 0.2 | 4.3 | 0 | 0 | 68 |
| American mountain-ash | 0 | Sorbus americana | Low | 0 | 0 | 0 | Unknown | Unknown | 3.1 | Absent | Unknown | Unknown | 0 | 0.2 | 6.6 | NA | NA | 69 |
| slash pine | 0 | Pinus elliotii | High | 0 | 0 | 0 | Unknown | Unknown | 4.3 | Absent | Unknown | Unknown | 0 | 0 | 0 | 0 | 0 | 70 |
| 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 | 71 |
| loblolly-bay | 0 | Gordonia lasianthus | Medium | 0 | 0 | 0 | Unknown | Unknown | 3.9 | Absent | Unknown | Unknown | 0 | 0 | 0.1 | 0 | 0 | 72 |
| redbay | 0 | Persea borbonia | Low | 0 | 0 | 0 | Unknown | Unknown | 6.3 | Absent | Unknown | Unknown | 0 | 0 | 1.1 | 0 | 0 | 73 |
| bluejack oak | 0 | Quercus incana | Low | 0 | 0 | 0 | Unknown | Unknown | 4.8 | Absent | Unknown | Unknown | 0 | 0 | 0 | 0 | 0 | 74 |
| loblolly pine | 3 | Pinus taeda | High | 0 | 0 | 0 | New Habitat | New Habitat | 3.4 | Absent | New Habitat | New Habitat | 0.4 | 16 | 40 | 0 | 2.75 | 75 |
| southern red oak | 3 | Quercus falcata | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 5.3 | Absent | New Habitat | New Habitat | 0 | 4.6 | 25.2 | 0 | 1.2 | 76 |
| shortleaf pine | 3 | Pinus echinata | High | 0 | 0 | 0 | New Habitat | New Habitat | 3.6 | Absent | New Habitat | New Habitat | 0 | 4.2 | 23.4 | 1 | 1.04 | 77 |
| post oak | 3 | Quercus stellata | High | 0 | 0 | 0 | New Habitat | New Habitat | 5.7 | Absent | New Habitat | New Habitat | 0 | 3.4 | 19 | 1.16 | 5.52 | 78 |
| winged elm | 3 | Ulmus alata | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 3.6 | Absent | New Habitat | New Habitat | 0 | 2.3 | 18.6 | 1 | 1.88 | 79 |
| Shumard oak | 3 | Quercus shumardii | Low | 0 | 0 | 0 | New Habitat | New Habitat | 5.8 | Absent | New Habitat | New Habitat | 0 | 0.6 | 10.7 | 1 | 1 | 80 |
| pecan | 3 | Carya illinoensis | Low | 0 | 0 | 0 | New Habitat | New Habitat | 2.2 | Absent | New Habitat | New Habitat | 0 | 0 | 0.3 | 0 | 1.15 | 81 |
| black hickory | 2 | Carya texana | High | 0 | 0 | 0 | New Habitat | New Habitat | 4.1 | Absent | New Habitat | New Habitat | 0 | 0 | 0 | 0 | 1 | 82 |
| sugarberry | 3 | Celtis laevigata | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 4.6 | Absent | New Habitat | New Habitat | 0 | 0 | 1.6 | 0 | 1 | 83 |
| blackjack oak | 3 | Quercus marilandica | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 5.6 | Absent | New Habitat | New Habitat | 0 | 0 | 0.9 | 1 | 1.28 | 84 |
| water oak | 3 | Quercus nigra | High | 0 | 0 | 0 | New Habitat | New Habitat | 3.7 | Absent | New Habitat | New Habitat | 0 | 0 | 1.8 | 0 | 1 | 85 |
| chokecherry | 0 | Prunus virginiana | FIA Only | 3.2 | 6.4 | 4.3 | Unknown | Unknown | 3.8 | Rare | FIA Only | FIA Only | 31.6 | 86.1 | 86.8 | 0 | 0 | 86 |
| wild plum | 0 | Prunus americana | FIA Only | 0.1 | 33.3 | 1.1 | Unknown | Unknown | 3.9 | Rare | FIA Only | FIA Only | 19.3 | 68 | 80 | 0 | 0 | 87 |
| butternut | 0 | Juglans cinerea | FIA Only | 1 | 1.8 | 1 | Unknown | Unknown | 2.3 | Rare | FIA Only | FIA Only | 6.5 | 47.2 | 68.5 | NA | NA | 88 |
| northern catalpa | 0 | Catalpa speciosa | FIA Only | 0.5 | 5.1 | 1.5 | Unknown | Unknown | 4.2 | Rare | FIA Only | FIA Only | 3.2 | 16.8 | 34.2 | 0 | 0 | 89 |
| Norway spruce | 0 | Picea abies | FIA Only | 1 | 4 | 7.4 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 90 |
| Scotch pine | 0 | Pinus sylvestris | FIA Only | 5.2 | 16.9 | 16.1 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 91 |
| Norway maple | 0 | Acer platanoides | FIA Only | 2.5 | 0.6 | 0.2 | Unknown | Unknown | NA | Rare | NNIS | NNIS | NA | NA | NA | NA | NA | 92 |
| ailanthus | 0 | Ailanthus altissima | FIA Only | 19.8 | 6.6 | 69.8 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 93 |
| paulownia | 0 | Paulownia tomentosa | FIA Only | 0.3 | 1.1 | 0.2 | Unknown | Unknown | NA | Rare | NNIS | NNIS | NA | NA | NA | NA | NA | 94 |
| Siberian elm | 0 | Ulmus pumila | FIA Only | 0.3 | 43 | 8.2 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 95 |
| rock elm | 0 | Ulmus thomasii | FIA Only | 0.5 | 4.3 | 1.3 | Unknown | Unknown | 2.8 | Rare | FIA Only | FIA Only | 3.9 | 18.8 | 34.5 | NA | NA | 96 |