

HUC8_Chautauqua-Conneaut_Distrib2

HUC8 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 |
|------------------------|----|-----------------------------|--------|----------|-------|--------|---------------|---------------|------|----------|-------------|-------------|---------|-------|---------|--------|--------|----|
| northern red oak | 1 | Quercus rubra | Medium | 64.4 | 8.8 | 108.4 | Sm. inc. | Sm. inc. | 5.4 | Abundant | Very Good | Very Good | 77 | 70 | 70 | 2.79 | 3.82 | 1 |
| yellow-poplar | 1 | Liriodendron tulipifera | High | 30.8 | 6.7 | 51.5 | Sm. inc. | Sm. inc. | 5.3 | Common | Very Good | Very Good | 72.4 | 67.1 | 67.1 | 3.54 | 2.61 | 2 |
| American elm | 1 | Ulmus americana | Medium | 82.8 | 5.1 | 100.6 | Sm. inc. | Sm. inc. | 4 | Abundant | Very Good | Very Good | 91.8 | 54.9 | 54.9 | 3 | 5.03 | 3 |
| sugar maple | 1 | Acer saccharum | High | 99.5 | 15.1 | 486.2 | No change | No change | 5.8 | Abundant | Very Good | Very Good | 91.8 | 34.2 | 34.2 | 5.38 | 4.75 | 4 |
| white oak | 1 | Quercus alba | Medium | 3.9 | 5.2 | 9.6 | No change | No change | 6.1 | Common | Good | Good | 5.1 | 91 | 91.1 | 1.53 | 1.53 | 5 |
| blackgum | 1 | Nyssa sylvatica | Medium | 7 | 8.9 | 12.5 | No change | No change | 5.9 | Common | Good | Good | 61.5 | 78 | 78 | 2.59 | 2.59 | 6 |
| American beech | 1 | Fagus grandifolia | High | 77.4 | 5.1 | 133.6 | No change | No change | 3.6 | Abundant | Good | Good | 89.8 | 44 | 44 | 2.95 | 2.94 | 7 |
| bur oak | 1 | Quercus macrocarpa | Medium | 3.7 | 6.2 | 5.7 | No change | No change | 6.4 | Common | Good | Good | 0 | 35.8 | 55.1 | 1.34 | 1.34 | 8 |
| red maple | 1 | Acer rubrum | High | 100 | 25.4 | 925.6 | Sm. dec. | Lg. dec. | 8.5 | Abundant | Good | Good | 91.8 | 12.5 | 12.5 | 6 | 4.19 | 9 |
| silver maple | 1 | Acer saccharinum | Low | 7 | 10.2 | 35 | Sm. dec. | Sm. dec. | 5.6 | Common | Fair | Fair | 36.6 | 88.5 | 88.6 | 2.39 | 2.21 | 10 |
| black walnut | 1 | Juglans nigra | Low | 8.6 | 8 | 14.7 | No change | No change | 4 | Common | Fair | Fair | 19.4 | 88.2 | 88.4 | 1.77 | 1.77 | 11 |
| sassafras | 1 | Sassafras albidum | Low | 5.4 | 6 | 10.8 | No change | No change | 4.2 | Common | Fair | Fair | 33.6 | 87.6 | 88.2 | 1.86 | 1.72 | 12 |
| black ash | 1 | Fraxinus nigra | Medium | 3.7 | 27.5 | 75.7 | Sm. dec. | Sm. dec. | 1.7 | Abundant | Fair | Fair | 49 | 87.2 | 88.5 | 0 | 0 | 13 |
| black locust | 1 | Robinia pseudoacacia | Low | 7.4 | 11.6 | 28.9 | No change | No change | 3.8 | Common | Fair | Fair | 52.4 | 84.8 | 84.8 | 2.59 | 2.53 | 14 |
| bitternut hickory | 1 | Carya cordiformis | Low | 33.1 | 4.3 | 31.7 | Sm. dec. | No change | 5.6 | Common | Fair | Good | 72.2 | 79.9 | 79.9 | 2.88 | 2.75 | 15 |
| eastern hophornbeam; i | 1 | Ostrya virginiana | Low | 18.7 | 1.6 | 15.4 | Sm. dec. | No change | 6.4 | Common | Fair | Good | 53 | 76.8 | 76.8 | 2.59 | 2.6 | 16 |
| green ash | 1 | Fraxinus pennsylvanica | Low | 39.6 | 11.1 | 73.3 | No change | No change | 4 | Common | Fair | Fair | 90.4 | 72.6 | 72.6 | 2.98 | 3.48 | 17 |
| American basswood | 1 | Tilia americana | Medium | 50.7 | 3.1 | 35.8 | No change | No change | 4.6 | Common | Fair | Fair | 90.8 | 65.6 | 65.6 | 2.98 | 2.98 | 18 |
| quaking aspen | 1 | Populus tremuloides | High | 83.7 | 16 | 355.8 | Lg. dec. | Lg. dec. | 4.7 | Abundant | Fair | Fair | 91.8 | 50.9 | 50.9 | 3 | 3 | 19 |
| white ash | 1 | Fraxinus americana | Medium | 98.2 | 11.4 | 325.4 | No change | No change | 2.7 | Abundant | Fair | Fair | 91.8 | 35.2 | 35.2 | 3.97 | 3 | 20 |
| black cherry | 1 | Prunus serotina | Medium | 99.7 | 12.8 | 422.4 | No change | Sm. dec. | 3 | Abundant | Fair | Fair | 91.8 | 21.3 | 21.3 | 5.29 | 3 | 21 |
| eastern white pine | 0 | Pinus strobus | High | 17.3 | 8.1 | 34.8 | Sm. dec. | Sm. dec. | 3.3 | Common | Poor | Poor | 41.3 | 83.1 | 83.1 | 1.83 | 1.52 | 22 |
| cucumber tree | 0 | Magnolia acuminata | Low | 11.2 | 1.5 | 9.6 | Sm. dec. | Sm. dec. | 3.6 | Common | Poor | Poor | 46 | 83 | 83 | 0 | 0 | 23 |
| black willow | 0 | Salix nigra | Low | 9.2 | 9.9 | 45.4 | Sm. dec. | Sm. dec. | 2.8 | Common | Poor | Poor | 80.1 | 82.7 | 82.7 | 0 | 2.79 | 24 |
| serviceberry | 0 | Amelanchier spp. | Low | 1.8 | 0.6 | 2.2 | No change | No change | 4.8 | Rare | Poor | Poor | 88.1 | 82.4 | 82.4 | 3 | 3 | 25 |
| chestnut oak | 2 | Quercus prinus | High | 3.6 | 9.2 | 4.1 | Sm. dec. | Sm. dec. | 6.1 | Rare | Poor | Poor | 15.8 | 78.8 | 84.9 | 1.21 | 1.2 | 26 |
| American hornbeam; m | 0 | Carpinus caroliniana | Low | 19.6 | 4.8 | 55.9 | Lg. dec. | Lg. dec. | 5.1 | Common | Poor | Poor | 91.8 | 78.7 | 78.7 | 3 | 3 | 27 |
| shagbark hickory | 0 | Carya ovata | Medium | 26.1 | 6.5 | 34.7 | Sm. dec. | Sm. dec. | 4.4 | Common | Poor | Poor | 62.1 | 74.5 | 74.6 | 2.46 | 2.4 | 28 |
| eastern cottonwood | 2 | Populus deltoides | Low | 3.7 | 14.9 | 27.4 | Sm. dec. | Sm. dec. | 3.9 | Common | Poor | Poor | 22.6 | 69.9 | 82.9 | 1.24 | 1.59 | 29 |
| bigtooth aspen | 0 | Populus grandidentata | Medium | 17.9 | 5.2 | 24.8 | Lg. dec. | Lg. dec. | 5.1 | Common | Poor | Poor | 91.4 | 69.9 | 69.9 | 3 | 0 | 30 |
| swamp white oak | 2 | Quercus bicolor | Low | 5.6 | 11.9 | 10.9 | Sm. dec. | Sm. dec. | 4.9 | Common | Poor | Poor | 17 | 67.1 | 80 | 2.16 | 0 | 31 |
| yellow birch | 0 | Betula alleghaniensis | High | 47.4 | 3.9 | 45.8 | Sm. dec. | Sm. dec. | 3.4 | Common | Poor | Poor | 91.2 | 64.3 | 64.3 | 3 | 3 | 32 |
| eastern hemlock | 0 | Tsuga canadensis | High | 70.3 | 11 | 222.6 | Lg. dec. | Lg. dec. | 2.7 | Abundant | Poor | Poor | 91.8 | 54.2 | 54.2 | 3 | 3 | 33 |
| pin cherry | 0 | Prunus pensylvanica | Low | 0 | 0.5 | 0.4 | Lg. dec. | Lg. dec. | 4.2 | Rare | Very Poor | Very Poor | 87.2 | 88.3 | 88.3 | 0 | 0 | 34 |
| striped maple | 0 | Acer pensylvanicum | Medium | 0 | 0.3 | 0.3 | Lg. dec. | Lg. dec. | 5.1 | Rare | Very Poor | Very Poor | 9.8 | 69 | 83.2 | 0 | 0 | 35 |
| white spruce | 0 | Picea glauca | Medium | 1.8 | 9.1 | 8.3 | Very Lg. dec. | Very Lg. dec. | 3.9 | Common | Lost | Lost | 11.1 | 68.4 | 82.4 | 0 | 0 | 36 |
| sourwood | 1 | Oxydendrum arboreum | High | 5.5 | 0.9 | 0.8 | Very Lg. dec. | No change | 6.9 | Rare | Lost | Fair | 4 | 29.2 | 46.1 | 0 | 1 | 37 |
| gray birch | 0 | Betula populifolia | Low | 1.5 | 0 | 0 | Unknown | Unknown | 3.6 | Modeled | Unknown | Unknown | 0 | 46.2 | 72.6 | 0 | 0 | 38 |
| 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 | 39 |
| bigleaf magnolia | 0 | Magnolia macrophylla | Low | 0 | 0 | 0 | Unknown | Unknown | 4.4 | Absent | Unknown | Unknown | 0 | 0 | 0 | 0 | 0 | 40 |
| ashe juniper | 0 | Juniperus ashei | High | 0 | 0 | 0 | New Habitat | New Habitat | NA | Absent | New Habitat | New Habitat | NA | NA | NA | NA | NA | 41 |
| pignut hickory | 3 | Carya glabra | Medium | 1.8 | 0 | 0 | New Habitat | New Habitat | 4.7 | Absent | New Habitat | New Habitat | 3.6 | 91.3 | 91.8 | 1.22 | 1.39 | 42 |
| sweet birch | 3 | Betula lenta | High | 0 | 0 | 0 | New Habitat | New Habitat | 3.2 | Absent | New Habitat | New Habitat | 0 | 91.1 | 91.7 | 1.36 | 1.52 | 43 |
| black oak | 3 | Quercus velutina | High | 3.8 | 0 | 0 | New Habitat | New Habitat | 4.9 | Absent | New Habitat | New Habitat | 0 | 87.9 | 91.1 | 1.09 | 2.99 | 44 |
| slippery elm | 3 | Ulmus rubra | Low | 0 | 0 | 0 | New Habitat | New Habitat | 4.8 | Absent | New Habitat | New Habitat | 1.3 | 84.3 | 89.9 | 1.47 | 1.32 | 45 |
| boxelder | 3 | Acer negundo | Low | 0 | 0 | 0 | New Habitat | New Habitat | 7.4 | Absent | New Habitat | New Habitat | 0 | 72.4 | 86.4 | 1.12 | 1.09 | 46 |
| pin oak | 3 | Quercus palustris | Low | 5.4 | 0 | 0 | New Habitat | New Habitat | 2.8 | Absent | New Habitat | New Habitat | 0.4 | 64.4 | 80.5 | 1.37 | 1.39 | 47 |
| flowering dogwood | 3 | Cornus florida | Medium | 1.8 | 0 | 0 | New Habitat | New Habitat | 5 | Absent | New Habitat | New Habitat | 6.8 | 61.4 | 79.2 | 1 | 1 | 48 |
| scarlet oak | 3 | Quercus coccinea | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 4.6 | Absent | New Habitat | New Habitat | 0 | 54.5 | 78.8 | 1 | 1 | 49 |
| mockernut hickory | 3 | Carya alba | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 5.4 | Absent | New Habitat | New Habitat | 0 | 47.6 | 74.4 | 1 | 1 | 50 |
| sycamore | 3 | Platanus occidentalis | Low | 0 | 0 | 0 | New Habitat | New Habitat | 4.8 | Absent | New Habitat | New Habitat | 0 | 33 | 61.5 | 1 | 1 | 51 |
| shingle oak | 3 | Quercus imbricaria | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 4.9 | Absent | New Habitat | New Habitat | 0 | 27.2 | 53.4 | 1 | 1 | 52 |
| eastern redbud | 3 | Cercis canadensis | Low | 0 | 0 | 0 | New Habitat | New Habitat | 4.9 | Absent | New Habitat | New Habitat | 0 | 16 | 46.6 | 1 | 1 | 53 |

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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 |
|------------------|----|-------------------------|----------|----------|-------|--------|-------------|-------------|------|--------|-------------|-------------|---------|-------|---------|--------|--------|----|
| eastern redcedar | 3 | Juniperus virginiana | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 3.9 | Absent | New Habitat | New Habitat | 0 | 7.9 | 36.1 | 1.12 | 3.99 | 54 |
| hackberry | 3 | Celtis occidentalis | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 5.7 | Absent | New Habitat | New Habitat | 0 | 4.4 | 27.4 | 1 | 1 | 55 |
| chinkapin oak | 3 | Quercus muehlenbergii | Medium | 1.5 | 0 | 0 | New Habitat | New Habitat | 4.8 | Absent | New Habitat | New Habitat | 0 | 4 | 18.2 | 1 | 1 | 56 |
| honeylocust | 3 | Gleditsia triacanthos | Low | 0 | 0 | 0 | New Habitat | New Habitat | 5.5 | Absent | New Habitat | New Habitat | 0 | 1.2 | 15.4 | 0 | 1 | 57 |
| sweetgum | 3 | Liquidambar styraciflua | High | 0 | 0 | 0 | New Habitat | New Habitat | 4.1 | Absent | New Habitat | New Habitat | 0 | 1 | 14.7 | 0 | 1.47 | 58 |
| common persimmon | 3 | Diospyros virginiana | Low | 0 | 0 | 0 | New Habitat | New Habitat | 5.8 | Absent | New Habitat | New Habitat | 0 | 0.9 | 15 | 0 | 1 | 59 |
| shortleaf pine | 3 | Pinus echinata | High | 0 | 0 | 0 | New Habitat | New Habitat | 3.6 | Absent | New Habitat | New Habitat | 0 | 0 | 2.2 | 0 | 1 | 60 |
| florida maple | 0 | Acer barbatum | Low | 0 | 0 | 0 | New Habitat | New Habitat | 6.1 | Absent | New Habitat | New Habitat | 0 | 0 | 0 | 0 | 0 | 61 |
| 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 | 62 |
| sugarberry | 2 | Celtis laevigata | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 4.6 | Absent | New Habitat | New Habitat | 0 | 0 | 0 | 0 | 1 | 63 |
| 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 | 64 |
| post oak | 3 | Quercus stellata | High | 0 | 0 | 0 | New Habitat | New Habitat | 5.7 | Absent | New Habitat | New Habitat | 0 | 0 | 1.6 | 0 | 4 | 65 |
| live oak | 0 | Quercus virginiana | High | 0 | 0 | 0 | New Habitat | New Habitat | 5 | Absent | New Habitat | New Habitat | 0 | 0 | 0 | 0 | 0 | 66 |
| winged elm | 3 | Ulmus alata | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 3.6 | Absent | New Habitat | New Habitat | 0 | 0 | 0.9 | 0 | 1.63 | 67 |
| cedar elm | 0 | Ulmus crassifolia | Medium | 0 | 0 | 0 | New Habitat | New Habitat | 3.3 | Absent | New Habitat | New Habitat | 0 | 0 | 0 | 0 | 0 | 68 |
| chokecherry | 0 | Prunus virginiana | FIA Only | 3.7 | 8.2 | 7.5 | Unknown | Unknown | 3.8 | Common | FIA Only | FIA Only | 57 | 91.8 | 91.8 | 0 | 0 | 69 |
| peachleaf willow | 0 | Salix amygdaloides | FIA Only | 1.8 | 3.8 | 3.5 | Unknown | Unknown | 3.4 | Rare | FIA Only | FIA Only | 8.3 | 25.9 | 38.8 | 0 | 0 | 70 |
| Norway spruce | 0 | Picea abies | FIA Only | 3.7 | 33.9 | 62.2 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 71 |
| Scotch pine | 0 | Pinus sylvestris | FIA Only | 15 | 15.2 | 73.5 | Unknown | Unknown | NA | Common | NNIS | NNIS | NA | NA | NA | NA | NA | 72 |