

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 |
|----------------------------|-------------------------|-------|--------|-------|--------|-------|-------------|---------------|--------|----------|-------------|-------------|-----------|------------|-----|----|
| northern white-cedar | Thuja occidentalis | WSH | High | 80.4 | 1533.3 | 14.5 | Sm. dec. | Sm. dec. | Medium | Abundant | Fair | Fair | | | 0 | 1 |
| red maple | Acer rubrum | WDH | High | 93.7 | 1361.7 | 11.8 | No change | No change | High | Abundant | Very Good | Very Good | | | 1 | 2 |
| sugar maple | Acer saccharum | WDH | High | 66.9 | 1190.9 | 14.9 | Sm. dec. | Sm. dec. | High | Abundant | Good | Good | | | 1 | 3 |
| balsam fir | Abies balsamea | NDH | High | 94 | 965.0 | 8.2 | Lg. dec. | Lg. dec. | Low | Abundant | Poor | Poor | | | 0 | 4 |
| quaking aspen | Populus tremuloides | WDH | High | 72.9 | 732.4 | 8.2 | Sm. inc. | No change | Medium | Abundant | Very Good | Good | | | 1 | 5 |
| red pine | Pinus resinosa | NSH | Medium | 50.4 | 700.5 | 12.9 | No change | Sm. dec. | Low | Abundant | Fair | Fair | | | 0 | 6 |
| black spruce | Picea mariana | NSH | High | 69.6 | 575.3 | 7.0 | Lg. dec. | Lg. dec. | Medium | Abundant | Fair | Fair | | | 0 | 7 |
| jack pine | Pinus banksiana | NSH | Medium | 38.3 | 545.7 | 13.9 | Sm. dec. | Sm. dec. | High | Abundant | Good | Good | | | 1 | 8 |
| paper birch | Betula papyrifera | WDH | High | 76.3 | 430.1 | 4.1 | No change | Sm. dec. | Medium | Common | Fair | Poor | | | 1 | 9 |
| eastern white pine | Pinus strobus | WDH | High | 61.5 | 373.3 | 5.1 | Sm. inc. | Sm. inc. | Low | Common | Fair | Fair | | | 1 | 10 |
| white spruce | Picea glauca | NSL | Medium | 79.5 | 316.8 | 3.1 | Sm. dec. | Sm. dec. | Medium | Common | Poor | Poor | | | 0 | 11 |
| balsam poplar | Populus balsamifera | NSH | Medium | 45.9 | 292.4 | 4.7 | Lg. dec. | Lg. dec. | Medium | Common | Poor | Poor | | | 0 | 12 |
| tamarack (native) | Larix laricina | NSH | High | 51.2 | 280.3 | 4.9 | Sm. inc. | No change | Low | Common | Fair | Poor | | | 1 | 13 |
| eastern hemlock | Tsuga canadensis | NSH | High | 55.9 | 264.8 | 4.1 | No change | Sm. dec. | Low | Common | Poor | Poor | | | 0 | 14 |
| American beech | Fagus grandifolia | WDH | High | 47.6 | 195.0 | 3.3 | Sm. inc. | Sm. inc. | Medium | Common | Good | Good | | | 1 | 15 |
| black ash | Fraxinus nigra | WSH | Medium | 53.1 | 185.6 | 2.8 | Sm. inc. | Sm. inc. | Low | Common | Fair | Fair | | | 1 | 16 |
| bigtooth aspen | Populus grandidentata | NSL | Medium | 37.8 | 174.1 | 3.8 | Sm. inc. | Sm. inc. | Medium | Common | Good | Good | | | 1 | 17 |
| yellow birch | Betula alleghaniensis | NDL | High | 58.1 | 166.7 | 2.4 | No change | No change | Medium | Common | Fair | Fair | | | 1 | 18 |
| black cherry | Prunus serotina | WDL | Medium | 51.2 | 161.3 | 3.0 | Lg. inc. | Lg. inc. | Low | Common | Good | Good | | | 1 | 19 |
| American elm | Ulmus americana | WDH | Medium | 22 | 91.0 | 3.5 | Lg. inc. | Lg. inc. | Medium | Common | Very Good | Very Good | Infill ++ | Infill ++ | 1 | 20 |
| northern red oak | Quercus rubra | WDH | Medium | 13.4 | 83.5 | 3.9 | Lg. inc. | Lg. inc. | High | Common | Very Good | Very Good | Infill ++ | Infill ++ | 1 | 21 |
| silver maple | Acer saccharinum | NSH | Low | 1 | 52.4 | 50.0 | Sm. inc. | Lg. inc. | High | Common | Very Good | Very Good | Infill ++ | Infill ++ | 2 | 22 |
| American basswood | Tilia americana | WSL | Medium | 11.4 | 40.7 | 3.0 | Lg. inc. | Lg. inc. | Medium | Rare | Good | Good | | | 1 | 23 |
| eastern hophornbeam; ironw | Ostrya virginiana | WSL | Low | 27.8 | 30.7 | 1.1 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | | | 1 | 24 |
| white ash | Fraxinus americana | WDL | Medium | 5.9 | 29.5 | 3.3 | Sm. inc. | Lg. inc. | Low | Rare | Poor | Fair | Infill + | Infill + | 1 | 25 |
| green ash | Fraxinus pennsylvanica | WSH | Low | 11.8 | 26.1 | 1.4 | Lg. inc. | Lg. inc. | Medium | Rare | Good | Good | Infill ++ | Infill ++ | 1 | 26 |
| serviceberry | Amelanchier spp. | NSL | Low | 19.9 | 18.6 | 0.6 | Lg. dec. | Lg. dec. | Medium | Rare | Very Poor | Very Poor | | | 0 | 27 |
| pin cherry | Prunus pensylvanica | NSL | Low | 11 | 12.6 | 0.6 | Lg. dec. | Very Lg. dec. | Medium | Rare | Very Poor | Lost | | | 0 | 28 |
| striped maple | Acer pensylvanicum | NSL | Medium | 3.8 | 7.6 | 0.3 | Lg. dec. | Very Lg. dec. | Medium | Rare | Very Poor | Lost | | | 0 | 29 |
| mountain maple | Acer spicatum | NSL | Low | 8.6 | 5.5 | 0.3 | Lg. dec. | Lg. dec. | High | Rare | Poor | Poor | | | 1 | 30 |
| peachleaf willow | Salix amygdaloides | NSLX | FIA | 4.2 | 2.8 | 0.7 | Unknown | Unknown | Medium | Rare | FIA Only | FIA Only | | | 0 | 31 |
| bur oak | Quercus macrocarpa | NDH | Medium | 1 | 2.6 | 2.5 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | | | 2 | 32 |
| northern pin oak | Quercus ellipsoidalis | NSH | Medium | 1 | 1.9 | 1.8 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | | | 2 | 33 |
| chokecherry | Prunus virginiana | NSLX | FIA | 4.2 | 1.6 | 0.4 | Unknown | Unknown | Medium | Rare | FIA Only | FIA Only | | | 0 | 34 |
| American mountain-ash | Sorbus americana | NSL | Low | 4 | 0.6 | 0.1 | Lg. dec. | Very Lg. dec. | Low | Rare | Very Poor | Lost | | | 0 | 35 |
| eastern redcedar | Juniperus virginiana | WDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate ++ | 3 | 36 |
| boxelder | Acer negundo | WSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Migrate + | Migrate + | 3 | 37 |
| American hornbeam; musclev | Carpinus caroliniana | WSL | Low | 0 | 0 | 0 | Unknown | Unknown | Medium | Modeled | Unknown | Unknown | | | 0 | 38 |
| bitternut hickory | Carya cordiformis | WSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Migrate + | Migrate + | 3 | 39 |
| pignut hickory | Carya glabra | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 3 | 40 |
| shagbark hickory | Carya ovata | WSL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate + | Migrate + | 3 | 41 |
| mockernut hickory | Carya alba | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 0 | 42 |
| hackberry | Celtis occidentalis | WDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | Migrate + | 3 | 43 |
| black walnut | Juglans nigra | WDH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 44 |
| yellow-poplar | Liriodendron tulipifera | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 3 | 45 |
| Osage-orange | Maclura pomifera | NDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 0 | 46 |
| blackgum | Nyssa sylvatica | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 3 | 47 |

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|--------------------|-----------------------|-------|--------|-------|--------|-------|-------------|-------------|--------|--------|-------------|-------------|------------|------------|-----|----|
| sycamore | Platanus occidentalis | NSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 0 | 48 |
| eastern cottonwood | Populus deltoides | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate + | Migrate ++ | 3 | 49 |
| white oak | Quercus alba | WDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3 | 50 |
| swamp white oak | Quercus bicolor | NSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate + | Migrate + | 3 | 51 |
| scarlet oak | Quercus coccinea | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 0 | 52 |
| pin oak | Quercus palustris | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Low | Absent | New Habitat | New Habitat | | | 3 | 53 |
| post oak | Quercus stellata | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 0 | 54 |
| black oak | Quercus velutina | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate + | Migrate ++ | 3 | 55 |
| black locust | Robinia pseudoacacia | NDH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 56 |
| black willow | Salix nigra | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Low | Absent | New Habitat | New Habitat | | Migrate + | 3 | 57 |
| sassafras | Sassafras albidum | WSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 58 |
| slippery elm | Ulmus rubra | WSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 59 |