

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 |
|----------------------------|-------------------------|-------|--------|-------|--------|-------|---------------|---------------|--------|----------|-------------|-------------|-----------|------------|-----|----|
| sugar maple | Acer saccharum | WDH | High | 92.7 | 2206.6 | 23.8 | Lg. dec. | Lg. dec. | High | Abundant | Good | Good | | | 1 | 1 |
| quaking aspen | Populus tremuloides | WDH | High | 96.3 | 1207.7 | 12.5 | No change | Sm. dec. | Medium | Abundant | Good | Fair | | | 1 | 2 |
| balsam fir | Abies balsamea | NDH | High | 98.8 | 877.8 | 8.9 | Lg. dec. | Lg. dec. | Low | Abundant | Poor | Poor | | | 0 | 3 |
| red maple | Acer rubrum | WDH | High | 95.1 | 738.3 | 7.8 | Sm. inc. | Sm. inc. | High | Abundant | Very Good | Very Good | | | 1 | 4 |
| American basswood | Tilia americana | WSL | Medium | 79.3 | 537.6 | 6.8 | No change | Sm. dec. | Medium | Abundant | Good | Fair | | | 1 | 5 |
| red pine | Pinus resinosa | NSH | Medium | 52.4 | 526.1 | 10.0 | No change | No change | Low | Abundant | Fair | Fair | | | 0 | 6 |
| northern white-cedar | Thuja occidentalis | WSH | High | 62.2 | 445.2 | 7.2 | No change | Sm. inc. | Medium | Common | Fair | Good | | | 1 | 7 |
| black spruce | Picea mariana | NSH | High | 74.4 | 444.3 | 6.0 | Lg. dec. | Lg. dec. | Medium | Common | Poor | Poor | | | 0 | 8 |
| tamarack (native) | Larix laricina | NSH | High | 58.5 | 325.9 | 5.6 | Sm. inc. | Sm. inc. | Low | Common | Fair | Fair | | | 1 | 9 |
| eastern hemlock | Tsuga canadensis | NSH | High | 64.6 | 291.9 | 4.5 | No change | No change | Low | Common | Poor | Poor | | | 0 | 10 |
| paper birch | Betula papyrifera | WDH | High | 85.4 | 281.2 | 3.3 | Sm. inc. | Sm. inc. | Medium | Common | Good | Good | | | 1 | 11 |
| eastern white pine | Pinus strobus | WDH | High | 46.3 | 280.2 | 6.1 | Lg. inc. | Sm. inc. | Low | Common | Good | Fair | | | 1 | 12 |
| white spruce | Picea glauca | NSL | Medium | 79.3 | 217.9 | 2.8 | No change | No change | Medium | Common | Fair | Fair | | | 1 | 13 |
| yellow birch | Betula alleghaniensis | NDL | High | 78 | 200.2 | 2.6 | No change | No change | Medium | Common | Fair | Fair | | | 1 | 14 |
| black cherry | Prunus serotina | WDL | Medium | 86.6 | 188.7 | 2.2 | Lg. inc. | Lg. inc. | Low | Common | Good | Good | | | 1 | 15 |
| bigtooth aspen | Populus grandidentata | NSL | Medium | 51.2 | 185.7 | 3.6 | Sm. inc. | Sm. inc. | Medium | Common | Good | Good | | | 1 | 16 |
| white ash | Fraxinus americana | WDL | Medium | 62.2 | 155.5 | 2.5 | Sm. inc. | Sm. inc. | Low | Common | Fair | Fair | | | 1 | 17 |
| northern red oak | Quercus rubra | WDH | Medium | 42.7 | 153.7 | 3.6 | Lg. inc. | Lg. inc. | High | Common | Very Good | Very Good | | | 1 | 18 |
| northern pin oak | Quercus ellipsoidalis | NSH | Medium | 15.9 | 140.8 | 8.9 | Lg. inc. | Lg. inc. | High | Common | Very Good | Very Good | Infill ++ | Infill ++ | 1 | 19 |
| black ash | Fraxinus nigra | WSH | Medium | 54.9 | 140.5 | 2.6 | Lg. inc. | Lg. inc. | Low | Common | Good | Good | | | 1 | 20 |
| jack pine | Pinus banksiana | NSH | Medium | 22 | 107.7 | 4.9 | No change | No change | High | Common | Good | Good | | | 1 | 21 |
| eastern hophornbeam; ironw | Ostrya virginiana | WDL | Low | 62.2 | 61.4 | 1.0 | Lg. inc. | Lg. inc. | High | Common | Very Good | Very Good | | | 1 | 22 |
| American elm | Ulmus americana | WDL | Medium | 56.1 | 60.3 | 1.1 | Lg. inc. | Lg. inc. | Medium | Common | Very Good | Very Good | | | 1 | 23 |
| balsam poplar | Populus balsamifera | NSH | Medium | 17.1 | 57.0 | 3.3 | Lg. dec. | Very Lg. dec. | Medium | Common | Poor | Lost | | | 0 | 24 |
| American beech | Fagus grandifolia | WDH | High | 15.9 | 56.4 | 3.6 | Lg. inc. | Lg. inc. | Medium | Common | Very Good | Very Good | Infill ++ | Infill ++ | 1 | 25 |
| pin cherry | Prunus pensylvanica | NSL | Low | 23.2 | 16.3 | 0.7 | Lg. dec. | Very Lg. dec. | Medium | Rare | Very Poor | Lost | | | 0 | 26 |
| rock elm | Ulmus thomasii | NSLX | FIA | 4.9 | 15.6 | 3.2 | Unknown | Unknown | Low | Rare | FIA Only | FIA Only | | | 0 | 27 |
| green ash | Fraxinus pennsylvanica | WSH | Low | 13.4 | 14.9 | 1.1 | Lg. inc. | Lg. inc. | Medium | Rare | Good | Good | Infill ++ | Infill ++ | 1 | 28 |
| eastern cottonwood | Populus deltoides | NSH | Low | 2.4 | 13.6 | 5.6 | Sm. dec. | No change | Medium | Rare | Very Poor | Poor | | | 2 | 29 |
| white oak | Quercus alba | WDH | Medium | 7.3 | 9.3 | 1.3 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | Infill ++ | Infill ++ | 2 | 30 |
| bur oak | Quercus macrocarpa | NDH | Medium | 4.9 | 7.4 | 1.5 | Lg. inc. | Lg. inc. | High | Rare | Good | Good | | | 2 | 31 |
| serviceberry | Amelanchier spp. | NSL | Low | 18.3 | 6.6 | 0.4 | Lg. dec. | Very Lg. dec. | Medium | Rare | Very Poor | Lost | | | 0 | 32 |
| slippery elm | Ulmus rubra | WSL | Low | 1.2 | 6.1 | 5.0 | Sm. dec. | Sm. dec. | Medium | Rare | Very Poor | Very Poor | | | 0 | 33 |
| American hornbeam; muscle | Carpinus caroliniana | WSL | Low | 7.3 | 4.8 | 0.7 | No change | No change | Medium | Rare | Poor | Poor | | Infill + | 1 | 34 |
| bitternut hickory | Carya cordiformis | WSL | Low | 4.9 | 3.3 | 0.7 | Very Lg. dec. | Sm. dec. | High | Rare | Lost | Poor | | | 0 | 35 |
| Scots pine | Pinus sylvestris | NSH | FIA | 1.2 | 2.4 | 2.0 | Unknown | Unknown | NA | Rare | NNIS | NNIS | | | 0 | 36 |
| swamp white oak | Quercus bicolor | NSL | Low | 2.4 | 1.7 | 0.7 | Sm. inc. | Lg. inc. | Medium | Rare | Fair | Good | Infill + | | 2 | 37 |
| chokecherry | Prunus virginiana | NSLX | FIA | 8.5 | 1.5 | 0.2 | Unknown | Unknown | Medium | Rare | FIA Only | FIA Only | | | 0 | 38 |
| mountain maple | Acer spicatum | NSL | Low | 2.4 | 0.6 | 0.2 | Sm. dec. | Lg. dec. | High | Rare | Poor | Poor | | | 1 | 39 |
| eastern redcedar | Juniperus virginiana | WDH | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate ++ | 3 | 40 |
| boxelder | Acer negundo | WSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Likely + | Likely + | 3 | 41 |
| silver maple | Acer saccharinum | NSH | Low | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | Likely + | Likely + | 3 | 42 |
| pignut hickory | Carya glabra | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 43 |
| shagbark hickory | Carya ovata | WSL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 44 |
| black walnut | Juglans nigra | WDH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 45 |
| yellow-poplar | Liriodendron tulipifera | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | | 3 | 46 |
| blackgum | Nyssa sylvatica | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | High | Absent | New Habitat | New Habitat | | Migrate + | 3 | 47 |

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|-----------------------|----------------------|-------|--------|-------|--------|-------|-------------|-------------|--------|--------|-------------|-------------|------------|------------|-----|----|
| scarlet oak | Quercus coccinea | WDL | Medium | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | | 3 | 48 |
| black oak | Quercus velutina | WDH | High | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3 | 49 |
| black locust | Robinia pseudoacacia | NDH | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | Likely + | Likely + | 3 | 50 |
| sassafras | Sassafras albidum | WSL | Low | 0 | 0 | 0 | New Habitat | New Habitat | Medium | Absent | New Habitat | New Habitat | | Migrate + | 3 | 51 |
| American mountain-ash | Sorbus americana | NSL | Low | 0 | 0 | 0 | Unknown | Unknown | Low | Absent | Unknown | Unknown | | | 0 | 52 |