



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  |
|----------------------------|-------------------------|-------|--------|-------|--------|-------|-------------|-------------|--------|---------|-------------|-------------|------------|------------|-----|----|
| eastern redcedar           | Juniperus virginiana    | WDH   | Medium | 52.2  | 9.5    | 2.0   | No change   | Sm. inc.    | Medium | Rare    | Poor        | Fair        |            |            | 1   | 1  |
| black ash                  | Fraxinus nigra          | WSH   | Medium | 35.8  | 6.1    | 5.6   | Lg. dec.    | Lg. dec.    | Low    | Rare    | Very Poor   | Very Poor   |            |            | 0   | 2  |
| American elm               | Ulmus americana         | WDH   | Medium | 52.2  | 5.4    | 2.0   | Sm. inc.    | Sm. inc.    | Medium | Rare    | Fair        | Fair        |            |            | 1   | 3  |
| white ash                  | Fraxinus americana      | WDL   | Medium | 52.2  | 2.0    | 0.8   | Lg. inc.    | Lg. inc.    | Low    | Rare    | Fair        | Fair        |            |            | 1   | 4  |
| slippery elm               | Ulmus rubra             | WSL   | Low    | 35.8  | 0.6    | 0.6   | Sm. inc.    | Lg. inc.    | Medium | Rare    | Fair        | Good        | Infill +   | Infill ++  | 1   | 5  |
| sugar maple                | Acer saccharum          | WDH   | High   | 35.8  | 0.4    | 0.4   | Lg. inc.    | Lg. inc.    | High   | Rare    | Good        | Good        |            |            | 1   | 6  |
| American basswood          | Tilia americana         | WSL   | Medium | 35.8  | 0.2    | 0.2   | Lg. inc.    | Lg. inc.    | Medium | Rare    | Good        | Good        |            |            | 1   | 7  |
| green ash                  | Fraxinus pennsylvanica  | WDH   | Low    | 16.4  | 0.1    | 0.1   | Lg. inc.    | Lg. inc.    | Medium | Rare    | Good        | Good        |            |            | 1   | 8  |
| eastern white pine         | Pinus strobus           | WSH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Low    | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 9  |
| northern white-cedar       | Thuja occidentalis      | WSH   | High   | 0     | 0      | 0     | Unknown     | Unknown     | Medium | Modeled | Unknown     | Unknown     |            |            | 0   | 10 |
| boxelder                   | Acer negundo            | WSH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 11 |
| red maple                  | Acer rubrum             | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 12 |
| silver maple               | Acer saccharinum        | NSH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 13 |
| paper birch                | Betula papyrifera       | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 14 |
| bitternut hickory          | Carya cordiformis       | WSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 15 |
| pignut hickory             | Carya glabra            | WDL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 16 |
| shagbark hickory           | Carya ovata             | WSL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 17 |
| mockernut hickory          | Carya alba              | WDL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 18 |
| hackberry                  | Celtis occidentalis     | WDH   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat |            |            | 3   | 19 |
| eastern redbud             | Cercis canadensis       | NSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat |            |            | 3   | 20 |
| common persimmon           | Diospyros virginiana    | NSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat |            |            | 0   | 21 |
| American beech             | Fagus grandifolia       | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 22 |
| honeylocust                | Gleditsia triacanthos   | NSH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat |            |            | 0   | 23 |
| black walnut               | Juglans nigra           | WDH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 24 |
| sweetgum                   | Liquidambar styraciflua | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat |            |            | 3   | 25 |
| yellow-poplar              | Liriodendron tulipifera | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 26 |
| blackgum                   | Nyssa sylvatica         | WDL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3   | 27 |
| eastern hophornbeam; ironw | Ostrya virginiana       | WSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 28 |
| sycamore                   | Platanus occidentalis   | NSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 29 |
| eastern cottonwood         | Populus deltoides       | NSH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 30 |
| bigtooth aspen             | Populus grandidentata   | NSL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 31 |
| quaking aspen              | Populus tremuloides     | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 32 |
| black cherry               | Prunus serotina         | WDL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | Low    | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 33 |
| white oak                  | Quercus alba            | WDH   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3   | 34 |
| swamp white oak            | Quercus bicolor         | NSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 35 |
| bur oak                    | Quercus macrocarpa      | NDH   | Medium | 0     | 0      | 0     | New Habitat | Unknown     | High   | Absent  | New Habitat | Unknown     | Likely +   |            | 3   | 36 |
| chinkapin oak              | Quercus muehlenbergii   | NSL   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat |            |            | 0   | 37 |
| pin oak                    | Quercus palustris       | NSH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Low    | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 38 |
| northern red oak           | Quercus rubra           | WDH   | Medium | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 39 |
| Shumard oak                | Quercus shumardii       | NSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat |            |            | 0   | 40 |
| post oak                   | Quercus stellata        | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | High   | Absent  | New Habitat | New Habitat |            |            | 0   | 41 |
| black oak                  | Quercus velutina        | WDH   | High   | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 42 |
| black locust               | Robinia pseudoacacia    | NDH   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 43 |
| sassafras                  | Sassafras albidum       | WSL   | Low    | 0     | 0      | 0     | New Habitat | New Habitat | Medium | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 44 |