

# HUC 111403 Big Cypress-Sulphur

## HUC 6 Watershed Climate Change Atlas Tree Species

### Current and Potential Future Habitat, Capability, and Migration

USDA Forest Service  
Northern Research Station  
Landscape Change Research Group  
Iverson, Peters, Prasad, Matthews

|                |        |         |           |
|----------------|--------|---------|-----------|
|                | sq. km | sq. mi  | FIA Plots |
| Area of Region | 19,009 | 7,339.5 | 417       |

### Species Information

The columns below provide brief summaries of the species associated with the region and described in the table on the next pages. Definitions are provided in the Excel file for this region.

| Genus   | Species   | Abundance |           | Model       |              | Potential Change in Habitat Suitability |           | Capability to Cope or Persist |           | Migration Potential |           |           |
|---------|-----------|-----------|-----------|-------------|--------------|---|-----------|-------------------------------|-----------|---------------------|-----------|-----------|
|         |           | High      | Common    | Reliability | Adaptability | Scenario                                | Scenario  | Scenario                      | Scenario  | SHIFT               | SHIFT     |           |
|         |           |           |           |             |              | RCP45                                   | RCP85     | RCP45                         | RCP85     | RCP45               | RCP85     |           |
| Ash     | 3         |           |           |             |              |   |           |                               |           |                     |           |           |
| Hickory | 7         |           |           |             |              |   |           |                               |           |                     |           |           |
| Maple   | 3         | Abundant  | 4         | High        | 12           | 22                                      | Increase  | 26                            | 29        | Very Good           | 11        | 12        |
| Oak     | 15        | Common    | 20        | Medium      | 35           | 51                                      | No Change | 17                            | 18        | Good                | 12        | 14        |
| Pine    | 3         | Rare      | 43        | Low         | 32           | 9                                       | Decrease  | 20                            | 16        | Fair                | 11        | 11        |
| Other   | 36        | Absent    | 14        | FIA         | 4            |   | New       | 9                             | 10        | Poor                | 17        | 17        |
|         | <b>67</b> |           | <b>81</b> |             | <b>83</b>    | <b>82</b>                               | Unknown   | 11                            | 10        | Very Poor           | 11        | 8         |
|         |           |           |           |             |              |   |           | <b>83</b>                     | <b>83</b> | FIA Only            | 4         | 4         |
|         |           |           |           |             |              |   |           |                               |           | Unknown             | 7         | 6         |
|         |           |           |           |             |              |   |           |                               |           |                     | <b>73</b> | <b>72</b> |

### Potential Changes in Climate Variables

#### Temperature (°F)

| Scenario       | 2009   | 2039 | 2069 | 2099 |      |  |
|----------------|--------|------|------|------|------|--|
| Annual         | CCSM45 | 57.9 | 59.1 | 60.5 | 60.8 |  |
| Average        | CCSM85 | 57.9 | 59.7 | 61.5 | 63.6 |  |
|                | GFDL45 | 57.9 | 60.3 | 61.3 | 62.4 |  |
|                | GFDL85 | 57.9 | 60.1 | 62.4 | 65.2 |  |
|                | HAD45  | 57.9 | 59.7 | 62.0 | 62.8 |  |
|                | HAD85  | 57.9 | 60.0 | 63.3 | 66.2 |  |
| Growing Season | CCSM45 | 69.2 | 70.4 | 71.5 | 71.9 |  |
|                | CCSM85 | 69.2 | 71.2 | 72.8 | 75.5 |  |
| May—Sep        | GFDL45 | 69.2 | 72.2 | 73.1 | 75.1 |  |
|                | GFDL85 | 69.2 | 72.2 | 74.6 | 78.2 |  |
|                | HAD45  | 69.2 | 71.5 | 73.7 | 74.1 |  |
|                | HAD85  | 69.2 | 71.8 | 76.0 | 78.5 |  |
| Coldest Month  | CCSM45 | 40.9 | 42.8 | 43.6 | 43.6 |  |
|                | CCSM85 | 40.9 | 43.0 | 43.8 | 45.0 |  |
| Average        | GFDL45 | 40.9 | 43.9 | 44.1 | 44.1 |  |
|                | GFDL85 | 40.9 | 41.8 | 42.9 | 43.3 |  |
|                | HAD45  | 40.9 | 41.5 | 43.0 | 43.4 |  |
|                | HAD85  | 40.9 | 42.7 | 44.1 | 45.5 |  |
| Warmest Month  | CCSM45 | 73.5 | 74.3 | 74.7 | 74.9 |  |
|                | CCSM85 | 73.5 | 75.1 | 75.7 | 77.0 |  |
| Average        | GFDL45 | 73.5 | 77.4 | 77.5 | 78.8 |  |
|                | GFDL85 | 73.5 | 77.0 | 78.2 | 80.9 |  |
|                | HAD45  | 73.5 | 76.1 | 77.2 | 77.3 |  |
|                | HAD85  | 73.5 | 76.7 | 78.9 | 79.7 |  |

#### Precipitation (in)

| Scenario       | 2009   | 2039 | 2069 | 2099 |      |  |
|----------------|--------|------|------|------|------|--|
| Annual         | CCSM45 | 38.6 | 39.2 | 41.6 | 40.9 |  |
| Total          | CCSM85 | 38.6 | 39.3 | 42.1 | 42.0 |  |
|                | GFDL45 | 38.6 | 40.4 | 46.5 | 40.5 |  |
|                | GFDL85 | 38.6 | 40.1 | 43.0 | 43.3 |  |
|                | HAD45  | 38.6 | 38.7 | 39.6 | 42.7 |  |
|                | HAD85  | 38.6 | 41.8 | 35.7 | 38.9 |  |
| Growing Season | CCSM45 | 14.7 | 15.8 | 15.0 | 15.6 |  |
|                | CCSM85 | 14.7 | 14.5 | 14.3 | 14.3 |  |
| May—Sep        | GFDL45 | 14.7 | 16.1 | 19.3 | 16.1 |  |
|                | GFDL85 | 14.7 | 16.3 | 17.5 | 17.3 |  |
|                | HAD45  | 14.7 | 14.2 | 13.9 | 14.6 |  |
|                | HAD85  | 14.7 | 15.1 | 11.2 | 11.7 |  |

**NOTE:** For the six climate variables, four 30-year periods are used to indicate six potential future trajectories. The period ending in 2009 is based on modeled observations from the PRISM Climate Group and the three future periods were obtained from the NASA NEX-DCP30 dataset. Future climate projections from three models under two emission scenarios show estimates of each climate variable within the region. The three models are CCSM4, GFDL CM3, and HadGEM2-ES and the emission scenarios are the 4.5 and 8.5 RCP. The average value for the region is reported, even though locations within the region may vary substantially based on latitude, elevation, land-use, or other factors.

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| Common Name                  | Scientific Name         | Range | MR     | %Cell | FIAsum | FIAiv | ChngCl45  | ChngCl85  | Adap   | Abund    | Capabil45 | Capabil85 | SHIFT45   | SHIFT85   | SSO | N  |
|------------------------------|-------------------------|-------|--------|-------|--------|-------|-----------|-----------|--------|----------|-----------|-----------|-----------|-----------|-----|----|
| loblolly pine                | Pinus taeda             | WDH   | High   | 60.1  | 2103.3 | 28.1  | Sm. inc.  | No change | Medium | Abundant | Very Good | Good      |           |           | 1   | 1  |
| sweetgum                     | Liquidambar styraciflua | WDH   | High   | 66.1  | 1141.3 | 14.1  | No change | No change | Medium | Abundant | Good      | Good      |           |           | 1   | 2  |
| post oak                     | Quercus stellata        | WDH   | High   | 61.2  | 590.7  | 9.1   | Sm. inc.  | Sm. inc.  | High   | Abundant | Very Good | Very Good |           |           | 1   | 3  |
| water oak                    | Quercus nigra           | WDH   | High   | 68.5  | 581.4  | 7.3   | Lg. inc.  | Lg. inc.  | Medium | Abundant | Very Good | Very Good |           |           | 1   | 4  |
| southern red oak             | Quercus falcata         | WDL   | Medium | 62.5  | 459.7  | 6.6   | No change | Sm. inc.  | High   | Common   | Good      | Very Good |           |           | 1   | 5  |
| shortleaf pine               | Pinus echinata          | WDH   | High   | 45.4  | 419.4  | 7.3   | Sm. inc.  | Sm. inc.  | Medium | Common   | Good      | Good      |           |           | 1   | 6  |
| winged elm                   | Ulmus alata             | WDL   | Medium | 72.6  | 403.5  | 4.8   | Sm. inc.  | Sm. inc.  | Medium | Common   | Good      | Good      |           |           | 1   | 7  |
| willow oak                   | Quercus phellos         | NSL   | Low    | 44.1  | 276.2  | 6.0   | No change | No change | Medium | Common   | Fair      | Fair      |           |           | 1   | 8  |
| green ash                    | Fraxinus pennsylvanica  | WSH   | Low    | 40.2  | 261.4  | 8.9   | No change | No change | Medium | Common   | Fair      | Fair      |           |           | 1   | 9  |
| eastern redcedar             | Juniperus virginiana    | WDH   | Medium | 48.7  | 244.9  | 5.6   | Sm. inc.  | Sm. inc.  | Medium | Common   | Good      | Good      |           |           | 1   | 10 |
| cherrybark oak; swamp red o. | Quercus pagoda          | NSL   | Medium | 38.9  | 199.6  | 5.2   | No change | No change | Medium | Common   | Fair      | Fair      |           |           | 1   | 11 |
| sugarberry                   | Celtis laevigata        | NDH   | Medium | 37.6  | 194.6  | 7.3   | Lg. inc.  | Lg. inc.  | Medium | Common   | Very Good | Very Good |           |           | 1   | 12 |
| white oak                    | Quercus alba            | WDH   | Medium | 33    | 159.7  | 4.4   | Sm. inc.  | Sm. inc.  | High   | Common   | Very Good | Very Good |           |           | 1   | 13 |
| red maple                    | Acer rubrum             | WDH   | High   | 34.5  | 148.4  | 3.5   | Sm. inc.  | Sm. inc.  | High   | Common   | Very Good | Very Good |           |           | 1   | 14 |
| Osage-orange                 | Maclura pomifera        | NDH   | Medium | 26.6  | 136.6  | 8.2   | No change | No change | High   | Common   | Good      | Good      | Infill ++ | Infill ++ | 1   | 15 |
| moccornut hickory            | Carya alba              | WDL   | Medium | 34.7  | 122.3  | 3.1   | Sm. inc.  | Sm. inc.  | High   | Common   | Very Good | Very Good |           |           | 1   | 16 |
| honeylocust                  | Gleditsia triacanthos   | NSH   | Low    | 25.6  | 109.0  | 5.9   | Sm. dec.  | No change | High   | Common   | Fair      | Good      |           |           | 1   | 17 |
| blackgum                     | Nyssa sylvatica         | WDL   | Medium | 33.3  | 106.0  | 2.7   | Lg. inc.  | Lg. inc.  | High   | Common   | Very Good | Very Good |           |           | 1   | 18 |
| American elm                 | Ulmus americana         | WDH   | Medium | 36.3  | 76.6   | 3.3   | Lg. inc.  | Lg. inc.  | Medium | Common   | Very Good | Very Good |           |           | 1   | 19 |
| black hickory                | Carya texana            | NDL   | High   | 18.9  | 61.8   | 3.4   | Sm. inc.  | Lg. inc.  | Medium | Common   | Good      | Very Good |           |           | 1   | 20 |
| flowering dogwood            | Cornus florida          | WDL   | Medium | 25.3  | 61.2   | 2.0   | Sm. dec.  | Sm. dec.  | Medium | Common   | Poor      | Poor      |           |           | 0   | 21 |
| river birch                  | Betula nigra            | NSL   | Low    | 4.2   | 58.0   | 13.8  | No change | No change | Medium | Rare     | Poor      | Poor      | Infill +  | Infill +  | 1   | 22 |
| common persimmon             | Diospyros virginiana    | NSL   | Low    | 21.9  | 56.9   | 2.6   | Lg. dec.  | Sm. dec.  | High   | Common   | Fair      | Fair      |           |           | 1   | 23 |
| eastern hophornbeam; ironw   | Ostrya virginiana       | WSL   | Low    | 12.7  | 56.8   | 3.2   | Sm. inc.  | Sm. inc.  | High   | Common   | Very Good | Very Good |           |           | 1   | 24 |
| American hornbeam; musclev   | Carpinus caroliniana    | WSL   | Low    | 14.7  | 56.2   | 3.1   | Lg. inc.  | Lg. inc.  | Medium | Common   | Very Good | Very Good |           |           | 1   | 25 |
| cedar elm                    | Ulmus crassifolia       | NDH   | Medium | 26.7  | 47.4   | 6.0   | Lg. inc.  | Lg. inc.  | Low    | Rare     | Fair      | Fair      | Infill +  | Infill +  | 1   | 26 |
| water elm                    | Planera aquatica        | NSL   | Low    | 4.2   | 45.8   | 10.9  | Sm. dec.  | Sm. dec.  | Medium | Rare     | Very Poor | Very Poor |           |           | 0   | 27 |
| overcup oak                  | Quercus lyrata          | NSL   | Medium | 10.8  | 42.0   | 4.2   | No change | Sm. inc.  | Low    | Rare     | Very Poor | Poor      |           |           | 1   | 28 |
| bald cypress                 | Taxodium distichum      | NSH   | Medium | 3.7   | 40.1   | 10.9  | Sm. dec.  | Sm. dec.  | Medium | Rare     | Very Poor | Very Poor |           |           | 2   | 29 |
| bitternut hickory            | Carya cordiformis       | WSL   | Low    | 5.7   | 37.7   | 4.6   | Sm. dec.  | Sm. dec.  | High   | Rare     | Poor      | Poor      |           |           | 1   | 30 |
| blackjack oak                | Quercus marilandica     | NSL   | Medium | 17.2  | 34.8   | 1.9   | Lg. inc.  | Lg. inc.  | High   | Rare     | Good      | Good      |           |           | 1   | 31 |
| boxelder                     | Acer negundo            | WSH   | Low    | 7.9   | 34.0   | 3.0   | Sm. dec.  | Sm. dec.  | High   | Rare     | Poor      | Poor      |           | Infill +  | 1   | 32 |
| white ash                    | Fraxinus americana      | WDL   | Medium | 16.2  | 32.3   | 1.6   | Sm. inc.  | Sm. inc.  | Low    | Rare     | Poor      | Poor      |           |           | 1   | 33 |
| black willow                 | Salix nigra             | NSH   | Low    | 11.3  | 31.3   | 6.4   | Lg. inc.  | Lg. inc.  | Low    | Rare     | Fair      | Fair      |           |           | 1   | 34 |
| pecan                        | Carya illinoensis       | NSH   | Low    | 14.3  | 30.7   | 5.1   | Lg. inc.  | Lg. inc.  | Low    | Rare     | Fair      | Fair      | Infill +  | Infill +  | 1   | 35 |
| black cherry                 | Prunus serotina         | WDL   | Medium | 20.1  | 29.9   | 1.1   | Lg. inc.  | Lg. inc.  | Low    | Rare     | Fair      | Fair      |           |           | 1   | 36 |
| Shumard oak                  | Quercus shumardii       | NSL   | Low    | 13.3  | 27.1   | 2.6   | Sm. dec.  | No change | High   | Rare     | Poor      | Fair      | Infill +  | Infill +  | 1   | 37 |
| water hickory                | Carya aquatica          | NSL   | Medium | 3.8   | 21.2   | 3.1   | No change | No change | Medium | Rare     | Poor      | Poor      | Infill +  | Infill +  | 2   | 38 |
| American holly               | Ilex opaca              | NSL   | Medium | 11.7  | 20.0   | 1.6   | Lg. inc.  | Lg. inc.  | Medium | Rare     | Good      | Good      |           |           | 1   | 39 |
| sassafras                    | Sassafras albidum       | WSL   | Low    | 14    | 19.8   | 1.1   | Lg. inc.  | Lg. inc.  | Medium | Rare     | Good      | Good      |           |           | 1   | 40 |
| black oak                    | Quercus velutina        | WDH   | High   | 7.7   | 17.7   | 1.8   | Lg. dec.  | Lg. dec.  | Medium | Rare     | Very Poor | Very Poor |           |           | 0   | 41 |
| waterlocust                  | Gleditsia aquatica      | NSLX  | FIA    | 2.1   | 13.7   | 6.5   | Unknown   | Unknown   | Medium | Rare     | FIA Only  | FIA Only  |           |           | 0   | 42 |
| red mulberry                 | Morus rubra             | NSL   | Low    | 10.3  | 11.7   | 0.8   | Sm. dec.  | No change | Medium | Rare     | Very Poor | Poor      |           |           | 1   | 43 |
| slash pine                   | Pinus elliottii         | NDH   | High   | 1.1   | 10.8   | 4.5   | Lg. inc.  | Lg. inc.  | Medium | Rare     | Good      | Good      |           |           | 2   | 44 |
| sweetbay                     | Magnolia virginiana     | NSL   | Medium | 1.1   | 10.4   | 4.3   | No change | No change | Medium | Rare     | Poor      | Poor      | Infill +  | Infill +  | 2   | 45 |
| shagbark hickory             | Carya ovata             | WSL   | Medium | 6     | 10.2   | 1.7   | Lg. dec.  | Lg. dec.  | Medium | Rare     | Very Poor | Very Poor |           |           | 0   | 46 |
| slippery elm                 | Ulmus rubra             | WSL   | Low    | 6.1   | 9.9    | 1.9   | No change | Sm. inc.  | Medium | Rare     | Poor      | Fair      | Infill +  | Infill +  | 2   | 47 |



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### 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  |
|------------------------|------------------------------|-------|--------|-------|--------|-------|---------------|---------------|--------|---------|-------------|-------------|------------|------------|-----|----|
| bluejack oak           | Quercus incana               | NSL   | Low    | 2.3   | 9.8    | 3.3   | No change     | No change     | Medium | Rare    | Poor        | Poor        | Infill +   | Infill +   | 2   | 48 |
| cittamwood/gum bumelia | Sideroxylon lanuginosum ssp. | NSL   | Low    | 11.6  | 6.5    | 1.4   | Lg. inc.      | Lg. inc.      | High   | Rare    | Good        | Good        | Infill ++  | Infill ++  | 1   | 49 |
| hackberry              | Celtis occidentalis          | WDH   | Medium | 4.2   | 5.8    | 1.4   | No change     | No change     | High   | Rare    | Fair        | Fair        | Infill +   | Infill +   | 2   | 50 |
| swamp chestnut oak     | Quercus michauxii            | NSL   | Low    | 1.5   | 4.0    | 1.8   | No change     | No change     | Medium | Rare    | Poor        | Poor        | Infill +   | Infill +   | 2   | 51 |
| eastern redbud         | Cercis canadensis            | NSL   | Low    | 2.5   | 3.6    | 1.0   | Sm. dec.      | No change     | Medium | Rare    | Very Poor   | Poor        |            | Infill +   | 2   | 52 |
| florida maple          | Acer barbatum                | NSL   | Low    | 0.3   | 3.4    | 0.4   | Sm. dec.      | Sm. dec.      | High   | Rare    | Poor        | Poor        | Infill +   |            | 2   | 53 |
| American beech         | Fagus grandifolia            | WDH   | High   | 0.5   | 3.0    | 5.7   | Sm. inc.      | Lg. inc.      | Medium | Rare    | Fair        | Good        | Infill +   |            | 2   | 54 |
| Nuttall oak            | Quercus texana               | NSH   | Medium | 0.7   | 2.9    | 2.5   | Sm. dec.      | Sm. dec.      | High   | Rare    | Poor        | Poor        |            |            | 0   | 55 |
| Texas ash              | Fraxinus texensis            | NDH   | FIA    | 0.5   | 2.7    | 1.2   | Unknown       | Unknown       | NA     | Rare    | FIA Only    | FIA Only    |            |            | 0   | 56 |
| sycamore               | Platanus occidentalis        | NSL   | Low    | 2.8   | 2.7    | 1.5   | No change     | No change     | Medium | Rare    | Poor        | Poor        | Infill +   |            | 2   | 57 |
| eastern cottonwood     | Populus deltoides            | NSH   | Low    | 5.1   | 2.7    | 1.5   | No change     | No change     | Medium | Rare    | Poor        | Poor        | Infill +   |            | 2   | 58 |
| pignut hickory         | Carya glabra                 | WDL   | Medium | 2.6   | 2.3    | 0.9   | Lg. dec.      | Sm. dec.      | Medium | Rare    | Very Poor   | Very Poor   |            |            | 2   | 59 |
| black walnut           | Juglans nigra                | WDH   | Low    | 3.7   | 2.2    | 1.2   | Very Lg. dec. | Very Lg. dec. | Medium | Rare    | Lost        | Lost        |            |            | 0   | 60 |
| water tupelo           | Nyssa aquatica               | NSH   | Medium | 0.5   | 2.1    | 3.9   | Sm. dec.      | Sm. dec.      | Low    | Rare    | Very Poor   | Very Poor   |            |            | 0   | 61 |
| wild plum              | Prunus americana             | NSLX  | FIA    | 0.4   | 1.8    | 0.2   | Unknown       | Unknown       | Medium | Rare    | FIA Only    | FIA Only    |            |            | 0   | 62 |
| chinkapin oak          | Quercus muehlenbergii        | NSL   | Medium | 0     | 1.4    | 0.1   | Sm. dec.      | Sm. dec.      | Medium | Rare    | Very Poor   | Very Poor   |            |            | 0   | 63 |
| black locust           | Robinia pseudoacacia         | NDH   | Low    | 0.5   | 1.0    | 1.9   | Sm. dec.      | Sm. dec.      | Medium | Rare    | Very Poor   | Very Poor   |            |            | 0   | 64 |
| southern magnolia      | Magnolia grandiflora         | NSL   | Low    | 0.5   | 0.7    | 1.3   | No change     | Lg. inc.      | Medium | Rare    | Poor        | Good        | Infill +   |            | 2   | 65 |
| bur oak                | Quercus macrocarpa           | NDH   | Medium | 4.7   | 0.7    | 0.8   | Lg. dec.      | Lg. dec.      | High   | Rare    | Poor        | Poor        |            |            | 0   | 66 |
| peachleaf willow       | Salix amygdaloides           | NSLX  | FIA    | 2.1   | 0.3    | 1.9   | Unknown       | Unknown       | Medium | Rare    | FIA Only    | FIA Only    |            |            | 0   | 67 |
| ashe juniper           | Juniperus ashei              | NDH   | High   | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat |            |            | 0   | 68 |
| longleaf pine          | Pinus palustris              | NSH   | Medium | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3   | 69 |
| serviceberry           | Amelanchier spp.             | NSL   | Low    | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat |            |            | 3   | 70 |
| shellbark hickory      | Carya laciniosa              | NSL   | Low    | 0     | 0      | 0     | Unknown       | Unknown       | Medium | Absent  | Unknown     | Unknown     |            |            | 0   | 71 |
| black ash              | Fraxinus nigra               | WSH   | Medium | 0     | 0      | 0     | New Habitat   | New Habitat   | Low    | Absent  | New Habitat | New Habitat |            |            | 3   | 72 |
| silverbell             | Halesia spp.                 | NSL   | Low    | 0     | 0      | 0     | Unknown       | Unknown       | Medium | Absent  | Unknown     | Unknown     |            |            | 0   | 73 |
| bigleaf magnolia       | Magnolia macrophylla         | NSL   | Low    | 0     | 0      | 0     | Unknown       | Unknown       | Medium | Absent  | Unknown     | Unknown     |            |            | 0   | 74 |
| swamp tupelo           | Nyssa biflora                | NDH   | Medium | 0     | 0      | 0     | New Habitat   | New Habitat   | Low    | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 75 |
| redbay                 | Persea borbonia              | NSL   | Low    | 0     | 0      | 0     | Unknown       | New Habitat   | High   | Absent  | Unknown     | New Habitat |            |            | 3   | 76 |
| pin cherry             | Prunus pensylvanica          | NSL   | Low    | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat | Likely +   | Likely +   | 3   | 77 |
| scarlet oak            | Quercus coccinea             | WDL   | Medium | 0     | 0      | 0     | Unknown       | Unknown       | Medium | Modeled | Unknown     | Unknown     |            |            | 0   | 78 |
| turkey oak             | Quercus laevis               | NSH   | Medium | 0     | 0      | 0     | New Habitat   | New Habitat   | High   | Absent  | New Habitat | New Habitat |            |            | 3   | 79 |
| laurel oak             | Quercus laurifolia           | NDH   | Medium | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat | Migrate +  | Migrate +  | 3   | 80 |
| northern red oak       | Quercus rubra                | WDH   | Medium | 0     | 0      | 0     | Unknown       | Unknown       | High   | Absent  | Unknown     | Unknown     |            |            | 0   | 81 |
| live oak               | Quercus virginiana           | NDH   | High   | 0     | 0      | 0     | New Habitat   | New Habitat   | Medium | Absent  | New Habitat | New Habitat | Migrate ++ | Migrate ++ | 3   | 82 |
| American basswood      | Tilia americana              | WSL   | Medium | 0     | 0      | 0     | Unknown       | Unknown       | Medium | Modeled | Unknown     | Unknown     |            |            | 0   | 83 |