New York



Survival by Degrees: 389 Species on the Brink

Background

Birds form part of healthy ecosystems, bring joy to people, and benefit local economies throughout the United States. In 2011, birdwatching-related industries drove \$41 billion in expenditures and \$107 billion in total industry output nationally. There are more than 3,272,000 total birders in New York alone [1]. Additionally, birds play critical roles in pollination, insect control, forest generation, seed dispersal, carrion scavenging, and many other ecosystem services we rely on.

However, the future of birds is at risk with alarming losses of biodiversity occurring worldwide. Global extinction rates are now 100 times higher than background rates [2]. Climate change exacerbates the global biodiversity crisis, with an anticipated rate of change 20 times faster in the next century than during the past two million years.

Audubon leads the way in conducting science to understand the vulnerability and threats to birds from climate change. Our science shows that stabilizing warming at a global average of 1.5°C (2.7°F), as recommended by the IPCC (Intergovernmental Panel on Climate Change) to reduce the global risk of climate change, would also reduce vulnerability and threats for many species of birds. To save birds we must address the underlying causes of climate change (climate change mitigation), and protect places that birds need now and will need in the future (climate change adaptation). Climate change mitigation means reducing or preventing the causes of climate change, such as greenhouse gas emissions. Climate change adaptation includes efforts to alter and adapt both our natural surroundings as well as our infrastructure to better withstand the threats of climate change.

Audubon's 2019 Report, *Survival by Degrees: 389 Bird Species on the Brink* [3], is a powerful look at how vulnerable birds are to climate change across North America based on a new, updated scientific analysis that leverages big data and incorporates the unique biology of each bird to determine its vulnerability. In this research, we related bird observations for 604 species with climate and habitat conditions at these locations and used modeling algorithms to capture the unique composition of each species's suitable range. We then mapped and compared the projected current and future ranges to estimate the projected range

loss and gain under multiple future climate change scenarios. These projections were then used to assess how vulnerable each species was to climate change [4,5].



Figure 1. Piping Plover. Photo: Lorraine Minns/Audubon Photography Awards

Future Climate and Habitat in New York

Across the state of New York, without substantial climate change mitigation (i.e., a 3°C/5.4°F global warming scenario), average temperatures during the warmest month are expected to increase approximately 6.1°C (11°F), and average temperatures during the coldest month are expected to increase approximately 5.7°C (10°F) from 2010 to the end of the century. Average annual precipitation is expected to increase by approximately 67 mm (2.6 in). Despite the overall increase in precipitation, available moisture is expected to decrease by 88% across the state due to increases in evapotranspiration [6].

The distribution of vegetation biomes, critical for plants and animals, are also projected to change under climate change scenarios [7]. The largest biome in the state is Deciduous Forest, covering 98% of the state.

All of these changes in climate and vegetation will alter plant and insect communities; influence availability of food, water, and shelter for birds; and will likely cause ecological disruption as species assemblages reshuffle. Over time, a complex suite of changes in climate and vegetation will inevitably affect New York's bird communities.

Climate Change Vulnerability

Climate change will negatively affect many birds in the state. Here, we assess vulnerability based on the amount of a species's range that may be gained or lost with climate change. We designate species that may lose much more range across North America than they have the potential to gain as *climate vulnerable*. In New York, 116 out of 227 species are climate vulnerable in summer under the 3°C scenario, meaning they stand to lose more of their North American summer range than they would gain under a warming climate. Reducing emissions to 1.5°C reduces the number of vulnerable species to 71. Impacts are somewhat lessened in winter, with 25 out of 168 species vulnerable

under 3°C of warming and 10 species vulnerable if we reduce warming to 1.5°C.

Each bird was grouped by its primary habitat (see Table 2 for groupings), and these groups are not equally affected. In New York, the habitat groups with the most species vulnerable to the impacts of ongoing and future climate change are boreal forest (35 species) and eastern forest (33 species) in summer (Figure 2). In winter, boreal forest (14 species) and waterbird (3 species) groups have the most vulnerable species.

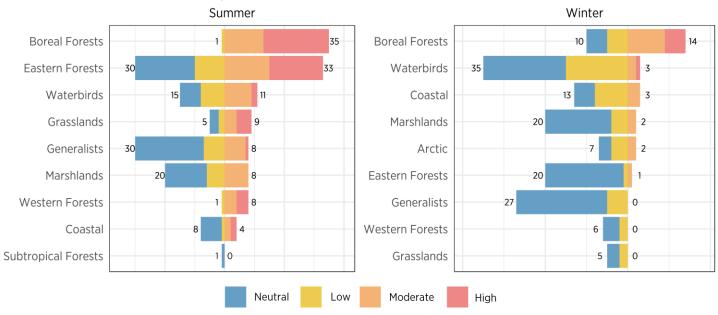


Figure 2. Number of species by their vulnerability to climate change in each habitat group under a global 3°C warming scenario. The species in each group are ones that currently live in the state, though vulnerability is assessed across the species's full North American range to better account for range-wide changes. Red and orange indicate number of vulnerable (high and moderate) species, and yellow and blue indicate non-vulnerable (low and neutral) species.

Climate-Related Threats

In addition to changes in climate across North America, we assessed the potential impacts of other forecasted threats related to climate change, including sea level rise, land use change, and extreme weather events, such as extreme spring heat, spring drought, fire weather, heavy rain, and false springs within the lower 48 states [8]. These threats are relevant to both birds and the places they need, but were only available for the lower 48 states, and were analyzed separately from vulnerability. This analysis provides information on how each location and the birds that occur there may be exposed to these specific, climate-related threats (Figure 3) beyond their range-wide vulnerability described above.

Here we summarize threats occurring within the state. Five climate-related threats will affect portions of New York (Table 1). The threat affecting both the greatest area and number of species in the state is extreme spring heat.

In New York, species that are most threatened by a combination of climate change and additional climate-related threats under 3°C of warming include Brown Thrasher, Eastern Towhee, Eastern Whip-poor-will, Fish Crow, Field Sparrow, Pine Warbler, Red-headed Woodpecker, Scarlet Tanager, Worm-eating Warbler, Wood Thrush, Prairie Warbler, Rose-breasted Grosbeak, Cerulean Warbler, Eastern Meadowlark, Henslow's Sparrow, American Woodcock, and Saltmarsh Sparrow. For information on threats for individual species in New York, see Table 2.

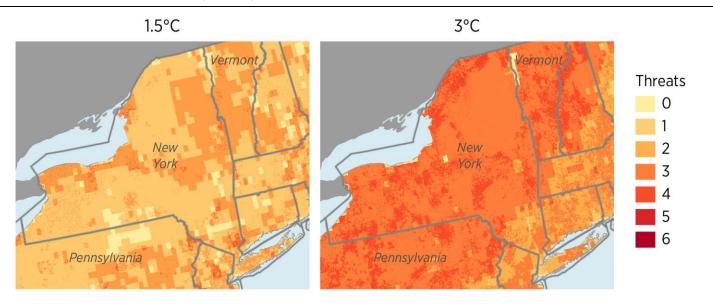


Figure 3. The number and distribution of overlapping climate-related threats under future global change scenarios of 1.5°C and 3°C. For detailed information on threats for each location in the state, refer to our online interactive tool at climate.audubon.org.

Table 1. Climate-related threats that New York is expected to experience under the warming scenarios 1.5°C (2.7°F) and 3°C (5.4°F), and the projected area and number of species affected. We report the projected amount(s) of global sea level rise associated with each scenario [8]. Threats and scenarios were omitted if no species were affected in that scenario.

| Threat | | Scenario | Area Affected (acres) | Summer (Vulnerable) Species Affected | Winter (Vulnerable) Species Affected |
|--|---------------------|----------------------|--------------------------|--|--|
| | - | 1.5°C (0.5 m/1.6 ft) | 101,182 | 4 (2) | 1 (1) |
| | Sea Level Rise | 3°C (1 m/3.3 ft) | 123,300 | 6 (1) | 6 (0) |
| | | 3°C (2 m/6.6 ft) | 142,612 | 7 (1) | 8 (1) |
| | Urbanization | 1.5°C | 1,190,856 | 18 (2) | 27 (2) |
| | | 3°C | 5,017,082 | 127 (34) | 147 (9) |
| The state of the s | F. 1 | 1.5°C | 11,436,761 | 28 (8) | 27 (5) |
| Eury S | Extreme Spring Heat | 3°C | 31,015,137 | 142 (49) | 149 (13) |
| 0 | Fire Weather | 3°C | 28,146,495 | 126 (48) | 122 (9) |
| | 5 : | 1.5°C | 27,309,303 | 150 (37) | 99 (4) |
| 1111 | Heavy Rain | 3°C | 29,855,226 | 131 (48) | 131 (9) |

We also mapped risk, areas of high conservation value for birds that are exposed to climate change-related threats. For any one location, risk is the product of the number of overlapping climate change-related threats, the total number of bird species that occur under future climate, and the number of species with range-wide vulnerability under future climate. Risk is greater across New York in summer relative to winter, and mitigating warming from 3°C to 1.5°C would more than halve the average risk of climate change-related threats to birds across the state.

Conclusions and Caveats

Birds are early responders to climate change and can be important indicators of large-scale ongoing and future ecological change. We found that 48% of New York's 280 bird species are vulnerable to climate change across seasons. A rapidly changing climate could lead to population declines and local extinctions if species are not able to adapt. In addition, the reshuffling of bird communities at a continental scale will bring together species that previously lived in isolation, leading to novel, unpredictable interactions. Disruptions in food and nesting resources further compound vulnerabilities to climate change.

Although we project range gains offsetting loss for some species, especially in winter, it is unknown whether birds will establish populations in these new locations because of other factors not assessed here. On top of this, the added stressors of extreme weather events and other climate change-related threats will make establishment and persistence of populations difficult in the coming decades.

While these studies did not assess the effects of climate change on people, we know that the fate of humans and birds are deeply connected. Climate change is currently and will continue to cause harm to people too, who face threats like extreme weather, loss of coastal areas and changing economic patterns, to name a few. Climate change will cause disproportionate harm to vulnerable communities, including children, the elderly, the sick, and the poor, who may have fewer resources available to move or otherwise protect themselves from these threats. If we drastically reduce carbon emissions, we help people and birds alike.

This is the most comprehensive assessment of climate change vulnerability of birds in North America to date, but even this assessment may reasonably be considered conservative because the pace of change is exceeding the scenarios considered in this study. Our work concludes that climate change will have multiple, compounding effects on birds and will likely amplify biodiversity loss, unless actions are taken to lessen its effects.

Call to Action

We know what to do.

The scientific consensus is clear. We must reduce greenhouse gas emissions at an urgent speed and on a wide scale from every sector of the economy to achieve a more favorable future for birds and people. There is no single perfect solution, but we can make a series of changes that lead to large-scale, systemic adjustments to achieve the required reductions.

Addressing the underlying causes of climate change.

Audubon is pursuing policies that together can drive down emissions at the scale and speed we need. For instance, we can invest in 100% clean energy, energy efficiency, and clean transportation policies that will dramatically reduce carbon emissions from the U.S. and world economies. We can adapt, improve, and innovate. We can power our cars. homes, cities, factories, farms, communities, and economy with clean energy-without contributing to climate change. We are working to implement policies and conservation practices that offset what we cannot eliminate, such as planting forests and testing new technologies to capture (i.e., sequester) carbon through industrial processes and permanently store it underground. We can do all of this in ways that spur innovation, create good jobs, promote homegrown industries, and build our economy for a smarter future.

Protecting the places birds need.

We can also pursue policies and conservation practices that help us avoid some of the worst effects of climate change by building more resilient infrastructure—meaning our cities, roads, and other structures—or even ranches, parks, floodplains, forests, and wetlands that can serve as good wildlife habitat and simultaneously protect our communities from extreme weather.

Audubon has identified the best opportunities to increase the resilience of coastal wetlands in key places that can serve as the first line of defense against the threat of sea level rise. We work to ensure key landscapes that are critical for birds have clean and reliable sources of water, now and in the future, and we advocate for conservation-minded management of working and urban landscapes that can help birds adapt to the changing climate.

We still have time.

We can avert and limit dangerous warming and its worst effects if we act quickly. Science tells us that in order to limit warming to a rise of 1.5°C (2.7°F), we must reduce greenhouse gas emissions 45% below 2010 levels by 2030 and reach net-zero carbon emissions by 2050.

We must act now.

We are on a dangerous path, but we have the power to chart a better one. Still, change will come only if we demand action from the public officials who represent us and the businesses we support.

We ask you to join us.

Be part of the solution. We can do this, together.

How You Can Help in New York

We can make a big difference.

But we must act quickly. In New York, 125 species (51%) are climate vulnerable in summer under the 3°C scenario. Reducing emissions to 1.5°C reduces the number of vulnerable species to 77.

We must voice support for climate leadership.

Here in New York, change is on the horizon. By supporting the implementation of the Climate Leadership and Community Protection Act, we have the power to chart a greener future.

We must support the development of responsibly-sited renewable and clean energy, as well as upgrades and expansions to our electric transmission infrastructure, investments in natural climate solutions that promote additional carbon sequestration, and develop legislation and policies that support our coastal communities, which will be the first to feel the impacts of climate change.

We're off to a flying start.

We have a plan to create and protect more resilient, bird-friendly habitat in the places we now know our birds—and people—need it most. But we need your help on a local level.

In our northeastern forests, we are connecting landowners and foresters to grow and manage diverse, healthy woodlands that provide bird-friendly habitats. Our forests must be more resilient to the stressors of climate change and invasive species, so they can provide essential ecosystem services like carbon sequestration, flood control, and watershed protection.

In our urban areas we are bringing conservation to life by working with community leaders and youth, encouraging native plantings and designing sustainable buildings. Only through collaboration can we improve the urban landscape for people and birds.

On our coasts, we aim to implement an effective conservation strategy that involves habitat protection, restoration, stewardship, and effective policy. By proactively identifying and conserving thousands of acres of salt marsh, beach, and island habitat, we can help protect birds and people from climate-driven sea level rise and other threats.

We can do this, together.

More Information

This project was conducted by the National Audubon Society. For more information, including details on the methods, please see the project website (climate.audubon.org) and the scientific publications [5,8].

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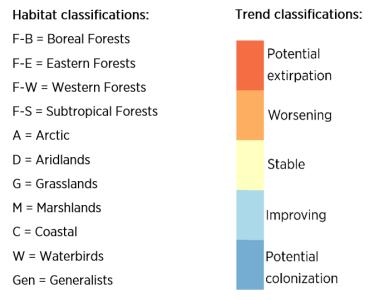
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Species Projections

Table 2. Climate suitability projections in summer and winter under the 3°C warming scenario for birds in New York. Each bird is associated with the *Habitat Group* representing its primary habitat (see classification key below). *Range-wide Vulnerability* is the vulnerability of each species, across its full North American range under 3°C of global warming, based on long-term climate and vegetation change. High and moderately vulnerable species are considered vulnerable to climate change, whereas low and neutral species are considered not vulnerable. In *State Trends*, we show the top two trends in climate and habitat suitability for select birds in New York, with colors reflecting the trend according to the legend below and percentages reflecting the percent of the state's area in which each trend will occur. The total percentage reflects the area of the state that the species currently occupies and is projected to occupy in the future. Potential colonization indicates that climate and habitat are projected to become suitable for the species, whereas potential extirpation indicates that climate and habitat are suitable today but projected to become unsuitable. *State Threats* shows the additional climate-related threats each species might face, indicated by icons as in Table 1. Threats shown here were assessed within each state for species under either 1.5°C or 3°C warming (i.e., species that will be completely extirpated from the state do not have threats shown). Omitted species are either not present in the state during that season or not modeled due to data deficiency. These lists may have been further reduced by local experts. For a full list of species modeled in New York, see the project website (climate.audubon.org).



| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|----------------|------------------|--------|-----------------------------|------------------------|--------------------|
| Snow Goose | W | Winter | Low | <mark>10%</mark> 47% | |
| Ross's Goose | W | Winter | Low | <mark>2%</mark> 12% | |
| Brant | W | Winter | Moderate | 3% 1% | 6 |
| Cackling Goose | М | Winter | Moderate | 4% 15% | |
| Canada Goose | W | Summer | Moderate | 63% 22% | |
| Canada Goose | W | Winter | Neutral | 37% 51% | |
| Trumpeter Swan | W | Summer | Moderate | 4% | |
| Trumpeter Swan | W | Winter | Low | 10% 12% | |
| Tundra Swan | W | Winter | Moderate | < <mark>1</mark> % 22% | |
| Wood Duck | W | Summer | Low | 16% 74% | (b) (c) (c) |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|-------------------------|------------------|--------|-----------------------------|----------------------|-------------------|
| | W | Winter | Neutral | 5 <mark>%</mark> 90% | 6 0 0 |
| Blue-winged Teal | М | Summer | Low | 4% 10% | |
| Northern Shoveler | М | Summer | Low | <1% | |
| Northern Shoveler | М | Winter | Neutral | 1 <mark>%</mark> 21% | (b) () () |
| | М | Summer | Moderate | 7% 2% | |
| Gadwall | М | Winter | Neutral | 16% 33% | (b) () () |
| American Wigeon | М | Winter | Neutral | 7% 19% | |
| Mallard | W | Summer | Low | 82% 12% | |
| Mallard | W | Winter | Neutral | 49% 50% | 6 0 0 0 |
| American Black Duck | W | Summer | Moderate | 48% 10% | |
| American Black Duck | W | Winter | Low | 28% 23% | |
| Northorn Dintail | М | Summer | Moderate | <1% | O O O |
| Northern Pintail | М | Winter | Neutral | 11% 16% | |
| Croop winged Tool | М | Summer | Moderate | 10% | |
| Green-winged Teal | М | Winter | Neutral | 1 <mark>%</mark> 20% | |
| Canvasback | М | Winter | Neutral | 7% 18% | (b) () () |
| Dadhaad | М | Summer | Neutral | 1% 5% | |
| Redhead | М | Winter | Low | 13% 15% | (b) () () |
| Dia su a salas d Dural. | W | Summer | Moderate | 12% 17% | O O O |
| Ring-necked Duck | W | Winter | Neutral | 8% 28% | (b) () () |
| Greater Scaup | W | Winter | Neutral | 21% 26% | (b) () () |
| Lancau Carana | W | Summer | High | <1% | |
| Lesser Scaup | W | Winter | Neutral | 8% 37% | (b) () (0) |
| King Eider | W | Winter | Low | 1% <1% | |
| Caraman Fida: | С | Summer | Moderate | <1% <1% | |
| Common Eider | С | Winter | Low | 2% | 6. |
| Harlequin Duck | W | Winter | Low | <1% <1% |)) |
| Surf Scoter | С | Winter | Neutral | 1% 1% | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|--------------------------|------------------|--------|-----------------------------|----------------------|-------------------|
| White-winged Scoter | W | Winter | Neutral | 12% 3% | |
| Black Scoter | С | Winter | Neutral | <1% 1% | |
| Long-tailed Duck | W | Winter | Low | 2% 15% | |
| Bufflehead | W | Winter | Low | 18% 11% | (b) () (c) (d) |
| Common Caldina | W | Summer | High | 6% | |
| Common Goldeneye | W | Winter | Neutral | 59% 3% | (b) () (0) |
| Barrow's Goldeneye | W | Winter | High | <1% | |
| Useded Manager | W | Summer | Low | 53% 17% | O O O |
| Hooded Merganser | W | Winter | Neutral | 18% 36% | 6 0 0 |
| C | W | Summer | Moderate | 54% 5% | O O O |
| Common Merganser | W | Winter | Low | 67% 15% | (b) () (0) |
| Dad Issue at ad Massacas | W | Summer | Moderate | 14% | |
| Red-breasted Merganser | W | Winter | Low | 10% 18% | 6 0 0 0 |
| Ruddy Duck | М | Winter | Neutral | 6% 15% | 6 0 0 0 |
| No the co Bull 171 | G | Summer | Neutral | <mark>2%</mark> 34% | 6 0 0 0 |
| Northern Bobwhite | G | Winter | Neutral | 1 <mark>%</mark> 18% | (b) () (0) |
| D. W. J. C. | F-B | Summer | Moderate | 86% | |
| Ruffed Grouse | F-B | Winter | Moderate | 86% 9% | |
| 6 6 | F-B | Summer | High | 6% | |
| Spruce Grouse | F-B | Winter | High | 11% | |
| WOLT I | Gen | Summer | Neutral | 83% 8% | (b) () (0) |
| Wild Turkey | Gen | Winter | Neutral | <mark>87% 9</mark> % | (b) () (0) |
| D: 11:11 1.6 1 | М | Summer | Neutral | 5% 5% | |
| Pied-billed Grebe | М | Winter | Neutral | 2% 21% | 6 0 0 |
| Horned Grebe | М | Winter | Neutral | 9% 13% | 6 0 0 |
| Red-necked Grebe | М | Winter | Neutral | 8% 5% | |
| Clark's Grebe | М | Summer | Low | 3% | |
| Mourning Dove | Gen | Summer | Neutral | 83% 15% | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|------------------------------------|------------------|--------|-----------------------------|-----------------------|---------------------|
| | Gen | Winter | Neutral | 89% 1 <mark>0%</mark> | (b) () (C) (C) |
| Yellow-billed Cuckoo | F-E | Summer | Neutral | 81% 19% | (b) () (C) (C) |
| Black-billed Cuckoo | F-E | Summer | Low | 79% 1 <mark>0%</mark> | 0 0 0 |
| Common Nighthawk | Gen | Summer | Neutral | <mark>15%</mark> 76% | (b) () () () |
| Chuck-will's-widow | F-E | Summer | Neutral | 17% | 6 0 0 |
| Eastern Whip-poor-will | F-E | Summer | High | 35% 33% | (b) () () () |
| Chimney Swift | F-E | Summer | Neutral | 60% 39% | |
| Ruby-throated Hummingbird | F-E | Summer | Neutral | 69% 18% | |
| King Rail | М | Summer | Low | 1% | |
| Kilig Kali | М | Winter | Neutral | 2% | ? . |
| Clapper Pail | С | Summer | Low | 2% | 6 |
| Clapper Rail | С | Winter | Low | 1% 2% | 6 |
| Virginia Dail | М | Summer | Moderate | 41% 5% | (b) () (C) (C) |
| Virginia Rail | М | Winter | Low | <mark>1%</mark> 13% | 6 . |
| Sora | М | Summer | Moderate | 10% | |
| Common Gallinule | М | Summer | Neutral | 7% 9% | |
| Averaginas Const | М | Summer | Neutral | 2% 5% | |
| American Coot | М | Winter | Neutral | 8% 19% | (b) () () |
| Canadh ill Cuana | М | Summer | Moderate | 25% | |
| Sandhill Crane | М | Winter | Low | <1% | |
| A ma a visa an Ossat a vacat alban | С | Summer | Neutral | <1% 2% | |
| American Oystercatcher | С | Winter | Neutral | <1% 1% | |
| Black-bellied Plover | W | Winter | Neutral | <mark>1%</mark> 7% | |
| Wilson's Plover | С | Summer | Neutral | 1% | ○ (•) |
| Dining Player | С | Summer | High | 1% | ○ ○ |
| Piping Plover | С | Winter | Moderate | 2% | 6 |
| Killdeer | W | Summer | Neutral | 72% 10% | (b) () (0) |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|--------------------------|------------------|--------|-----------------------------|----------------------|-------------------|
| | W | Winter | Neutral | 2 <mark>%</mark> 89% | |
| Upland Sandpiper | G | Summer | Neutral | 4% 16% | |
| Ruddy Turnstone | W | Winter | Neutral | <mark>1%</mark> 5% | |
| Sanderling | W | Winter | Neutral | 2% <1% | 6. |
| Dunlin | W | Winter | Low | 1% | |
| Purple Sandpiper | W | Winter | Low | 1% 1% | 6 () () |
| American Woodcock | F-E | Summer | Moderate | 40% 59% | |
| American Woodcock | F-E | Winter | Neutral | 4 <mark>%</mark> 73% | |
| Wileania Spina | М | Summer | Moderate | 1% | |
| Wilson's Snipe | М | Winter | Neutral | 1% 28% | |
| Spotted Sandpiper | W | Summer | Moderate | 34% 7% | O O O |
| Greater Yellowlegs | W | Winter | Neutral | <1 <mark>% 7%</mark> | |
| MCII. | W | Summer | Neutral | 1% 3% | |
| Willet | С | Winter | Neutral | 1% | ○ ○ |
| Dovekie | С | Winter | Moderate | 1% <1% | |
| Thick-billed Murre | С | Winter | Moderate | 1% <1% | |
| Razorbill | С | Winter | Low | 1% 1% | |
| Black-legged Kittiwake | С | Winter | Neutral | 1% 3% | 6 |
| Bonaparte's Gull | W | Winter | Neutral | <mark>7%</mark> 27% | (b) () (0) |
| | W | Summer | Moderate | 4% | |
| Little Gull | С | Winter | Low | 8% 1% | |
| Laughing Gull | С | Summer | Neutral | 2% 1% | 6 |
| D: 1:11 1 0 11 | W | Summer | Low | 38% 2% | (b) () |
| Ring-billed Gull | W | Winter | Neutral | 45% 35% | (b) () (0) |
| | W | Summer | Low | 17% 5% | |
| Herring Gull | W | Winter | Neutral | 77% 18% | (b) () (0) |
| Iceland Gull | С | Winter | Low | 12% 8% | |
| Lesser Black-backed Gull | С | Winter | Low | 6% 14% | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|--------------------------|------------------|--------|-----------------------------|----------------------|---------------------|
| Glaucous Gull | W | Winter | Low | 23% 6% | |
| Cont Plant had a l C II | С | Summer | Moderate | 8% 2% | 6 |
| Great Black-backed Gull | С | Winter | Low | 27% 6% | (b) (c) (c) |
| Least Tern | W | Summer | Low | 2% 13% | 6 |
| Gull-billed Tern | С | Summer | Neutral | 1% | |
| Caspian Tern | W | Summer | Low | 6% 5% | |
| Black Tern | М | Summer | Low | 6% 5% | |
| Common Tern | W | Summer | Low | 5% 9% | |
| Faustaula Taur | М | Summer | Neutral | 5% 6% | |
| Forster's Tern | М | Winter | Neutral | 8% | 6 |
| Royal Tern | С | Summer | Neutral | 1% | ○ (3) |
| Black Skimmer | С | Summer | Neutral | 1% 2% | 6 |
| Red-throated Loon | W | Winter | Low | 12% 8% | 0 0 0 |
| Comment | W | Summer | Moderate | 83% | |
| Common Loon | W | Winter | Low | 4% 8% | 6 () |
| Northern Gannet | С | Winter | Neutral | 1% | |
| Great Cormorant | С | Winter | Low | 2% 2% | 6 |
| De la contrat Communit | W | Summer | Neutral | 6% 28% | 0 0 0 |
| Double-crested Cormorant | W | Winter | Neutral | 1 <mark>%</mark> 19% | (b) (c) |
| American White Pelican | М | Winter | Neutral | 5% | 6 |
| Brown Pelican | С | Summer | Neutral | <1% | ○ (•) |
| A i D'II | М | Summer | Low | 46% | |
| American Bittern | М | Winter | Neutral | <1% 9% | |
| Least Bittern | М | Summer | Neutral | 3% 16% | 0 0 0 |
| Carl Dia II | W | Summer | Neutral | 88% 12% | (b) () (0) |
| Great Blue Heron | W | Winter | Neutral | 45% 48% | |
| Curch Faure! | W | Summer | Neutral | 14% 15% | |
| Great Egret | W | Winter | Neutral | 2 <mark>%</mark> 27% | (b) () () () |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State | Threats | |
|--------------------------------|------------------|--------|-----------------------------|----------------------|-------|-----------------|---|
| Snowy Egret | M | Summer | Neutral | 3% 9% | | | _ |
| Little Blue Heron | М | Summer | Neutral | 1% 24% | | O C | |
| Tricolored Heron | М | Summer | Neutral | 1 <mark>%</mark> 9% | | | |
| Cattle Egret | W | Summer | Neutral | 1 <mark>%</mark> 22% | | |) |
| Green Heron | М | Summer | Neutral | 56% 19% | | O C | |
| Black-crowned Night- | М | Summer | Neutral | 16% 9% | • | 0 C | |
| Heron | М | Winter | Neutral | 3% 8% | | | |
| Yellow-crowned Night- Heron | М | Summer | Neutral | 2% 33% | • | O C | |
| White Ibis | М | Summer | Neutral | 10% | | | |
| Glossy Ibis | М | Summer | Neutral | 1% 2% | | | |
| Black Vulture | Gen | Summer | Neutral | 1% 7% | • | | |
| black vulture | Gen | Winter | Neutral | 1% 8% | • | | |
| Turkov Vulturo | Gen | Summer | Neutral | 61% 19% | • | \circ \circ | |
| Turkey Vulture | Gen | Winter | Neutral | 2 <mark>%</mark> 65% | | \circ \circ | |
| Osprey | W | Summer | Neutral | 62% 4 <mark>%</mark> | • | 0 C | |
| Mississippi Kite | F-E | Summer | Neutral | <1% 13% | | |) |
| North ore Herrier | М | Summer | Low | 14% | | | |
| Northern Harrier | М | Winter | Neutral | 15% 20% | | O C | |
| Charmachina ad Harri | F-W | Summer | Moderate | 80% | | 0 |) |
| Sharp-shinned Hawk | F-W | Winter | Neutral | 65% 25% | • | 0 C | |
| Ca an arda Havvil | Gen | Summer | Neutral | 38% 35% | • | O C | |
| Cooper's Hawk | Gen | Winter | Low | 50% 46% | | O C | |
| Northorn Cooksyste | F-B | Summer | High | 42% | | | |
| Northern Goshawk | F-B | Winter | Low | 89% 3% | | 0 | |
| Dald Fagle | Gen | Summer | Low | 21% 78% | • | O C | |
| Bald Eagle | Gen | Winter | Neutral | 99% 1% | • | O C | |
| Red-shouldered Hawk | F-E | Summer | Neutral | 5 <mark>%</mark> 95% | | O C | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|--------------------------|------------------|--------|-----------------------------|-----------------------|---------------------|
| | F-E | Winter | Neutral | 54% | (h) () () () |
| Broad-winged Hawk | F-E | Summer | Low | 46% 25% | (b) () () () |
| Red-tailed Hawk | Gen | Summer | Neutral | 54% 46% | (b) () () () |
| Rea-tailed Hawk | Gen | Winter | Neutral | 55% 38% | (b) () () () |
| Rough-legged Hawk | Α | Winter | Moderate | 46% 3% | (b) () () () |
| Dawa Oud | Gen | Summer | Neutral | 5% 89% | (b) () () |
| Barn Owl | Gen | Winter | Neutral | 14% 83% | (b) () () |
| Factory Corocal Oud | F-E | Summer | Neutral | 29% 30% | (b) () () |
| Eastern Screech-Owl | F-E | Winter | Neutral | 42% 38% | 6 0 0 0 |
| 6 111 10 1 | Gen | Summer | Neutral | 48% 46% | (b) (O) (G) |
| Great Horned Owl | Gen | Winter | Neutral | 42% 49% | (b) (O) (G) |
| Snowy Owl | А | Winter | Low | 65% 34% | (b) (O) (G) |
| 5 10 1 | F-E | Summer | Neutral | 84% 16% | (b) () (0) |
| Barred Owl | F-E | Winter | Neutral | 93% 5% | (b) () (0) |
| Great Gray Owl | F-B | Winter | Moderate | 3% | |
| | F-W | Summer | Low | 12% | O |
| Long-eared Owl | F-W | Winter | Low | 33% 30% | |
| Short-eared Owl | G | Winter | Neutral | 17% 15% | |
| | F-B | Summer | High | 1% | |
| Boreal Owl | F-B | Winter | High | 3% | |
| | F-B | Summer | Moderate | 59% | 0 0 0 |
| Northern Saw-whet Owl | F-B | Winter | Low | 13% 75% | (b) () () () |
| | Gen | Summer | Neutral | <mark>97% 2</mark> % | |
| Belted Kingfisher | Gen | Winter | Neutral | 1 <mark>1%</mark> 81% | (b) (O) (G) |
| V III | F-E | Summer | High | 61% | |
| Yellow-bellied Sapsucker | F-E | Winter | Neutral | 12% 88% | |
| B. H. J. 1997 | F-E | Summer | High | 3 <mark>% 84%</mark> | (b) () (0) |
| Red-headed Woodpecker | F-E | Winter | Neutral | 69% | \bigcirc |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|---------------------------|------------------|--------|-----------------------------|----------------------|----------------|
| Dod bollind Wessels | F-E | Summer | Neutral | 31% 57% | 6 0 0 |
| Red-bellied Woodpecker | F-E | Winter | Neutral | 30% 54% | 6 0 0 |
| Diagly backed Woodpacker | F-B | Summer | High | 11% | |
| Black-backed Woodpecker | F-B | Winter | Moderate | 11% | |
| Dawny Waadaalkar | Gen | Summer | Neutral | 83% 11% | ⊕ ○ ○ ○ |
| Downy Woodpecker | Gen | Winter | Neutral | 83% 14% | ⊕ ○ ○ ○ |
| Hairy Woodpocker | Gen | Summer | Low | 36% 39% | ⊕ ○ ○ ○ |
| Hairy Woodpecker | Gen | Winter | Low | 27% 47% | |
| Dilastad Was desalver | F-E | Summer | Neutral | 87% 3% | |
| Pileated Woodpecker | F-E | Winter | Neutral | <mark>78% 9</mark> % | ⊕ ○ ○ ○ |
| Northern Flicker | Gen | Summer | Moderate | 33% 65% | ⊕ ○ ○ ○ |
| Northern Flicker | Gen | Winter | Neutral | <mark>14%</mark> 83% | ⊕ ○ ○ ○ |
| A magnison Kashual | Gen | Summer | Neutral | 7 <mark>% 83%</mark> | ⊕ ○ ○ ○ |
| American Kestrel | Gen | Winter | Neutral | 2 <mark>%</mark> 41% | ⊕ ○ ○ ○ |
| Maulia | F-E | Summer | Moderate | 65% | |
| Merlin | F-E | Winter | Neutral | 97% 3% | ⊕ ○ ○ ○ |
| Gyrfalcon | Α | Winter | Low | 56% | |
| Peregrine Falcon | Gen | Summer | Neutral | 69% <mark>13%</mark> | |
| Peregrine Falcon | Gen | Winter | Neutral | 50% 27% | ⊕ ○ ○ ○ |
| Olive-sided Flycatcher | F-B | Summer | High | 10% | |
| Eastern Wood-Pewee | F-E | Summer | Low | 41% 40% | ⊕ ○ ○ ○ |
| Yellow-bellied Flycatcher | F-B | Summer | High | 6% | |
| Acadian Flycatcher | F-E | Summer | Moderate | 48% 42% | ⊕ ○ ○ ○ |
| Alder Flycatcher | F-B | Summer | Moderate | 68% | |
| Willow Flycatcher | F-W | Summer | Moderate | 32% 51% | 6 0 0 |
| Least Flycatcher | F-B | Summer | Moderate | 70% | |
| Factory Dhards | F-E | Summer | Low | 11% 65% | 6 0 0 |
| Eastern Phoebe | F-E | Winter | Neutral | 6% | 6 () (|

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State T | hreats |
|----------------------------------|------------------|--------|-----------------------------|-----------------------|------------|----------|
| Great Crested Flycatcher | F-E | Summer | Moderate | 67% 20% | • | |
| Eastern Kingbird | G | Summer | Moderate | 73% 16% | ? | |
| Northern Shrike | F-B | Winter | Moderate | 91% | | |
| White-eyed Vireo | F-E | Summer | Neutral | 13% 80% | • | 0 0 0 |
| Yellow-throated Vireo | F-E | Summer | Moderate | 27% 22% | • | 0 0 0 |
| Blue-headed Vireo | F-E | Summer | High | 60% | | |
| Philadelphia Vireo | F-B | Summer | High | 1% | | |
| Warbling Vireo | Gen | Summer | Neutral | 41% 39% | • | |
| Red-eyed Vireo | F-E | Summer | Low | 53% 45% | ? | |
| Canada Jay | F-B | Summer | High | 3% | | |
| Carlaua Jay | F-B | Winter | High | 5% | | |
| Blue Jay | F-E | Summer | Neutral | 23% 72% | | 0 0 0 |
| Dide Jay | F-E | Winter | Neutral | 90% 3% | • | 0 0 0 |
| American Crow | Gen | Summer | Low | 1 <mark>0% 87%</mark> | • | 0 0 0 |
| American crow | Gen | Winter | Neutral | 99% 1% | • | 0 0 0 |
| Fish Crow | Gen | Summer | High | <mark>3%</mark> 32% | • | 0 0 0 |
| FISH Crow | Gen | Winter | Low | 4% 17% | • | 0 0 0 |
| Common Raven | Gen | Summer | Low | 56% 44% | | O |
| Common Raven | Gen | Winter | Low | 92% 8% | | O |
| Horned Lark | G | Summer | Low | 9% 4% | • | 0 0 0 |
| nomed Lark | G | Winter | Low | 28% 16% | • | 0 0 0 |
| Northern Rough-winged Swallow | Gen | Summer | Neutral | 46% 41% | ? . | 0 0 0 |
| Purple Martin | Gen | Summer | Neutral | 26% 65% | | |
| Tree Swallow | Gen | Summer | Moderate | 69% 19% | | 0 😡 |
| Bank Swallow | Gen | Summer | Neutral | 19% 51% | • | 0 0 0 |
| Barn Swallow | Gen | Summer | Neutral | 81% 12% | • | 0 0 |
| Cliff Swallow | Gen | Summer | Neutral | 13% 59% | • | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|----------------------------|------------------|--------|-----------------------------|----------------------|------------------|
| Carolina Chickadee | F-E | Summer | Neutral | 40% | (b) () (C) (a) |
| Carolina Chickadee | F-E | Winter | Low | 39% | (h) (i) (i) (ii) |
| Black-capped Chickadee | F-B | Summer | Low | 47% 42% | ⊕ ○ ○ ○ |
| | F-B | Winter | Low | 8% 90% | |
| Boreal Chickadee | F-B | Summer | High | 8% | |
| Doreal Chickagee | F-B | Winter | High | 5% | |
| Tufted Titmouse | F-E | Summer | Neutral | 33% 45% | |
| Tutted Tittilouse | F-E | Winter | Neutral | 34% 47% | |
| Red-breasted Nuthatch | F-B | Summer | Moderate | 64% | 0 0 |
| Rea-preasted Nutriateri | F-B | Winter | Neutral | 7% 93% | |
| White-breasted Nuthatch | F-E | Summer | Low | 38% 34% | |
| Willie-preasted Nutriateri | F-E | Winter | Neutral | 15% 73% | |
| Brown-headed Nuthatch | F-E | Winter | High | 3% | 6 |
| | F-W | Summer | Moderate | 48% | O O O |
| Brown Creeper | F-W | Winter | Neutral | 100% | |
| House Wren | Gen | Summer | Moderate | 31% 37% | ⊕ ○ ○ ○ |
| House wren | Gen | Winter | Neutral | 2% | 6 |
| Winter Wren | F-E | Summer | High | 47% | |
| willter wreii | F-E | Winter | Low | 4 <mark>% 76%</mark> | |
| Codes Mrss | G | Summer | Moderate | 18% | |
| Sedge Wren | G | Winter | Neutral | 7% | 6 |
| Marsh Wren | М | Summer | Low | 7% 5% | |
| Maisii Wieli | М | Winter | Low | 1 <mark>%</mark> 16% | 6 |
| Carolina Wron | F-E | Summer | Neutral | 43% 52% | |
| Carolina Wren | F-E | Winter | Neutral | 52% 43% | |
| Blue-gray Gnatcatcher | Gen | Summer | Neutral | 16% 62% | ⓑ ○ ○ ○ |
| Goldon crowned Kinglet | F-B | Summer | Moderate | 22% | |
| Golden-crowned Kinglet | F-B | Winter | Neutral | 20% 63% | 6 0 0 0 |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|----------------------|------------------|--------|-----------------------------|----------------------|-------------------------|
| Ruby-crowned Kinglet | F-W | Summer | High | 12% | |
| | F-W | Winter | Neutral | 7% | 6 () (|
| 5 . D | F-E | Summer | Neutral | 60% 30% | |
| Eastern Bluebird | F-E | Winter | Neutral | 29% 51% | (b) () (0) |
| Veery | F-E | Summer | Moderate | 84% 6% | |
| Swainson's Thrush | F-B | Summer | High | 7% | |
| Hamaik Thursh | F-W | Summer | High | 26% | |
| Hermit Thrush | F-W | Winter | Low | 2% 52% | |
| Wood Thrush | F-E | Summer | High | 25% 39% | (b) () (0) |
| | Gen | Summer | Moderate | 46% 52% | (b) () (0) |
| American Robin | Gen | Winter | Neutral | <mark>18%</mark> 81% | |
| 6 6 11: 1 | F-E | Summer | Neutral | 21% 75% | (b) () (0) |
| Gray Catbird | F-E | Winter | Moderate | 3% 1% | (b) () (0) |
| D 71 1 | F-E | Summer | High | 27% 50% | (b) () (0) |
| Brown Thrasher | F-E | Winter | Neutral | <1% 20% | (b) (c) (c) |
| | Gen | Summer | Neutral | 4 <mark>% 77%</mark> | (b) () (0) (|
| Northern Mockingbird | Gen | Winter | Neutral | <mark>4</mark> % 93% | (b) (O) (G) |
| American Pipit | А | Winter | Neutral | 1 <mark>%</mark> 21% | (b) (O) (O) |
| Bohemian Waxwing | F-B | Winter | High | 29% | 0 0 0 |
| Cedar Waxwing | Gen | Summer | Low | 47% 32% | ① ① ② |
| | Gen | Winter | Neutral | 52% 14% | (b) () (0) () |
| | F-B | Summer | High | 27% | |
| Evening Grosbeak | F-B | Winter | Moderate | 71% | 0 0 0 |
| Pine Grosbeak | F-B | Winter | Moderate | 20% | - |
| | Gen | Summer | Low | 42% 35% | (b) (O) (G) |
| House Finch | Gen | Winter | Low | 55% 27% | (b) (O) (G) |
| | F-B | Summer | Moderate | 72% | |
| Purple Finch | F-B | Winter | Low | 94% 3% | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|---------------------------|------------------|--------|-----------------------------|----------------------|-----------------|
| Common Redpoll | A | Winter | Low | 93% 2% | 0 0 0 |
| Hoary Redpoll | А | Winter | Moderate | 30% | |
| Dod Crooch III | F-B | Summer | High | 3% | O O O |
| Red Crossbill | F-B | Winter | Moderate | 22% | O O O |
| White wings of Cuspolaill | F-B | Summer | High | 9% | |
| White-winged Crossbill | F-B | Winter | Moderate | 59% 40% | O O O |
| Pine Siskin | F-W | Summer | Moderate | 3% | |
| PIHE SISKIII | F-W | Winter | Neutral | 61% 37% | |
| American Goldfinch | Gen | Summer | Moderate | 50% 35% | 0 0 0 |
| American Goldmich | Gen | Winter | Neutral | 99% 1% | |
| Lapland Longspur | А | Winter | Neutral | 9% 44% | (b) () (c) (c) |
| Snow Bunting | А | Winter | Low | 58% 38% | |
| Grasshopper Sparrow | G | Summer | Low | 2% 39% | (b) (c) (c) (d) |
| Chinaina Canua | Gen | Summer | Moderate | 50% 38% | (b) (c) (c) (d) |
| Chipping Sparrow | Gen | Winter | Neutral | 3% | (b) () |
| Clay-colored Sparrow | G | Summer | High | 1% | |
| Field Community | F-E | Summer | High | 45% 26% | (b) () (O) (a) |
| Field Sparrow | F-E | Winter | Neutral | 7% 91% | (b) (c) (c) (c) |
| American Tree Sparrow | А | Winter | Neutral | 43% 54% | (b) (c) (c) (c) |
| Fox Sparrow | F-B | Winter | Moderate | <mark>4</mark> % 72% | (b) (c) (c) (c) |
| 5 1 11 | F-W | Summer | High | 43% | |
| Dark-eyed Junco | F-W | Winter | Neutral | 90% 9% | (b) (c) (c) (c) |
| White-crowned Sparrow | Gen | Winter | Neutral | 81% | (b) (c) (c) (c) |
| White-throated Sparrow | F-B | Summer | High | 16% | |
| | F-B | Winter | Neutral | <mark>8%</mark> 86% | (b) (c) (c) (c) |
| Vesper Sparrow | G | Summer | Moderate | 14% | |
| Contille | С | Summer | Neutral | 1% | |
| Seaside Sparrow | С | Winter | Moderate | 2% | 6 |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|----------------------|------------------|--------|-----------------------------|----------------------|----------------|
| Nelson's Sparrow | G | Summer | High | <1% | |
| Saltmarsh Sparrow | М | Summer | Neutral | 1% 2% | 6 |
| Savannah Sparrow | G | Summer | High | 36% | |
| | G | Winter | Low | <mark>2%</mark> 12% | |
| | G | Summer | High | 19% | 0 0 0 |
| Henslow's Sparrow | G | Winter | Neutral | 1% | 6 |
| Song Sparrow | Gen | Summer | Moderate | 55% 29% | O O O |
| Solid Shallow | Gen | Winter | Neutral | 36% 61% | |
| Lincoln's Sparrow | F-B | Summer | High | 9% | |
| Swamp Sparrow | М | Summer | Moderate | 46% | |
| Swarrip Sparrow | М | Winter | Neutral | 11% 78% | 6 0 0 0 |
| Eastern Towhee | F-E | Summer | High | 21% 50% | |
| Eastern rownee | F-E | Winter | Neutral | 6% 89% | |
| Yellow-breasted Chat | F-E | Summer | Neutral | 3% 64% | |
| Bobolink | G | Summer | High | 84% | |
| Eastern Meadowlark | G | Summer | Moderate | 37% 22% | |
| Edstern Meddowlark | G | Winter | Neutral | 2% 50% | |
| Orchard Oriole | F-E | Summer | Low | 15% 80% | |
| Baltimore Oriole | F-E | Summer | Low | 50% 41% | 6 0 0 0 |
| Dad winged Blackbird | Gen | Summer | Neutral | 86% 5% | |
| Red-winged Blackbird | Gen | Winter | Neutral | 19% 70% | |
| Proup booded Combind | Gen | Summer | Neutral | 52% 24% | |
| Brown-headed Cowbird | Gen | Winter | Neutral | 30% 56% | |
| Rusty Blackbird | F-B | Summer | High | 3% | |
| | F-B | Winter | Neutral | 3% 89% | |
| Brewer's Blackbird | Gen | Winter | Neutral | 1% | |
| Common Grackle | F-E | Summer | Low | 84% 7% | |
| COMMINUM GRACKIE | F-E | Winter | Neutral | 4 <mark>%</mark> 67% | 6 0 0 0 |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|--------------------------------|------------------|--------|-----------------------------|---------------------|---------------------|
| Boat-tailed Grackle | С | Summer | High | <1% <1% | ○ •• |
| Doat-talled Grackle | С | Winter | Moderate | 1% | |
| Ovenbird | F-E | Summer | Moderate | 83% 1% | |
| Worm-eating Warbler | F-E | Summer | High | <mark>3%</mark> 45% | (b) (c) (c) (d) |
| Louisiana Waterthrush | F-E | Summer | Neutral | 33% 50% | (b) () () () |
| Northern Waterthrush | F-B | Summer | Moderate | 71% | |
| Golden-winged Warbler | F-E | Summer | High | 50% | |
| Blue-winged Warbler | F-E | Summer | Moderate | 27% 27% | O O O |
| Black-and-white Warbler | F-E | Summer | Moderate | 60% 7% | (b) () () () |
| Prothonotary Warbler | F-E | Summer | Neutral | 5% 84% | (b) () () () |
| Tennessee Warbler | F-B | Summer | Moderate | 3% | |
| Nashville Warbler | F-E | Summer | Moderate | 18% | |
| Mourning Warbler | F-B | Summer | High | 34% | |
| Kentucky Warbler | F-E | Summer | Low | <1% 41% | (b) () () |
| Common Yellowthroat | Gen | Summer | Low | 54% 46% | (b) () () () |
| Hooded Warbler | F-E | Summer | Moderate | 39% 34% | (b) () () () |
| American Redstart | F-B | Summer | Moderate | 20% 78% | (b) () () () |
| Cerulean Warbler | F-E | Summer | High | 16% 35% | O O O |
| Northern Parula | F-E | Summer | Moderate | 16% 34% | 6 0 0 0 |
| Magnolia Warbler | F-B | Summer | High | 27% | |
| Bay-breasted Warbler | F-B | Summer | High | <1% | |
| Blackburnian Warbler | F-B | Summer | High | 52% | |
| Yellow Warbler | F-B | Summer | Moderate | 89% 9% | O O O |
| Chestnut-sided Warbler | F-E | Summer | High | 67% | |
| Blackpoll Warbler | F-B | Summer | Moderate | 9% | |
| Black-throated Blue Warbler | F-E | Summer | High | 51% | |
| Palm Warbler | F-B | Summer | High | 13% | |

| Species | Habitat Group | Season | Range-wide Vulnerability | State Trends | State Threats |
|---------------------------------|------------------|--------|-----------------------------|----------------------|--------------------|
| | F-B | Winter | Low | 2% | |
| Din a Mandalan | F-E | Summer | High | 36% 41% | |
| Pine Warbler | F-E | Winter | Neutral | 4% | 6 |
| Yellow-rumped Warbler | F-B | Summer | Moderate | 42% | |
| renow-rumped warbier | F-B | Winter | Neutral | 4% 81% | |
| Yellow-throated Warbler | F-E | Summer | High | 2 <mark>% 53%</mark> | |
| Prairie Warbler | F-E | Summer | Moderate | 19% 29% | |
| Black-throated Green Warbler | F-E | Summer | High | 64% <1% | |
| Canada Warbler | F-B | Summer | High | 22% | |
| Wilson's Warbler | F-W | Summer | High | <1% | |
| Summer Tanager | F-E | Summer | Neutral | 30% | |
| Scarlet Tanager | F-E | Summer | High | 33% 29% | |
| Northern Cardinal | F-E | Summer | Neutral | 48% 49% | |
| Northern Cardinal | F-E | Winter | Neutral | 68% 20% | 6 0 0 |
| Rose-breasted Grosbeak | F-E | Summer | Moderate | 69% 9 <mark>%</mark> | 0 0 |
| Blue Grosbeak | F-S | Summer | Neutral | <1% 7% | (b) (c) (c) |
| Indigo Bunting | F-E | Summer | Moderate | 45% 27% | (b) () () |
| Dickcissel | G | Summer | Neutral | 1% 33% | |