# Seasonal Occurrences of Shelby County, Tennessee Birds

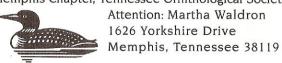


Memphis Chapter

Tennessee Ornithological Society Memphis, Tennessee

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Price: \$3.00, postage included.

## **Notes**

#### Acknowledgments

The original publication and subsequent printings were made possible by the hard work of dedicated volunteers who share the joy and enthusiastic pursuit of birding. The original publication printed in 1982 was supported by the tireless efforts and encouragement of the late Ben B. Coffey, Jr. whose records provided invaluable data about the occurrences of birds in Shelby County. Other helpful friends including Mrs. Carolyn Bullock, Mrs. Noreen Smith, and Mr. Jim Ferguson provided technical assistance and gave long, tireless hours of devoted transcriptional services. The second printing was an update of the original printing as the volume of additional information provided substantial changes in early and late dates and yielded additional species of birds sighted in Shelby County. This new continued information would not have been available had it not been for the continued cooperation and support of the Memphis Chapter of the Tennessee Ornithological Society.

The current printing extends the ongoing attempt to maintain a reasonably accurate and timely record of the seasonal occurrences of birds in Shelby County. This printing represents a revision of the original monograph thanks to Ms. Leah McDonald, a graduate of Rhodes College. Initially, Ms. McDonald undertook this project to fulfill a course requirement, but she voluntarily continued her work after receiving her degree. Leah's developing interest in birding and avian conservation has been inspirational to the Memphis Chapter. Her long hours and attention to detail are much appreciated. Special thanks is also extended to Charles Alexander for his original cover design. It is fitting that this printing is dedicated to the combined efforts of many people spanning a continuum from novice to seasoned veteran.

First Printing, June, 1982 Second Printing, May, 1987 Third Printing. April, 1998 This publication is a compilation of several thousand field cards and notes collected since 1929. These records provide a reasonable estimate of arrival and departure dates of transients, seasonal residents and visitors, in addition to a historical record of occasional and accidental sightings. The population density graphing of each species also provides the reader with the degree of expectation of sighting a species in any given season of the year.

Only the records for Shelby County, Tennessee are used. Although much of Shelby County's forests and farmlands have yielded to urban growth and industrialization, there still remains a broad biological diversity in river bottoms, wetlands, open ponds, mature forests, meadows, and farmlands. In Shelby County there are several large parks including Meeman Shelby Forest State Park, T.O. Fuller State Park, Overton Park, Martin Luther King Jr. Park, Shelby Farms, and a state-owned tract, Eagle Lake Wildlife Management Area. In addition, there are numerous small city parks and recreational areas.

The Seasonal Occurrences of Shelby County.

Tennessee Birds is not intended to indicate trends in other counties. Variance in species and population densities among West Tennessee counties occurs as a consequence of each county's location and offering habitat in the Mississippi Flyway. For example, one county may be primarily farmland, another with mixed grassland and forest, yet another county may contain a wildlife refuge. In addition, possible sightings in rural or isolated areas are contingent on the number of experienced observers and the frequency and consistency of their observations made during periods of migration and breeding.

Population densities of birds regularly sighted in Shelby County are divided into three categories: common, fairly common, and uncommon. Unusual sightings are divided into three categories: occasional, rare, and accidental.

**Common** refers to species usually occurring in concentrations of ten or more in their expected ranges. Generally, large numbers of common species will be seen depending on the season and habitat. Common Grackle, Red-winged Blackbird, Northern Cardinal and American Robin are examples of common species.

Species rated as **fairly common** are likely to be seen with some degree of regularity in their proper habitat and season. The concentrations will typically be less than those recorded as common, however, observers should not have much difficulty locating species classified as fairly common. For example, species such as the Great Blue Heron, Red-headed Woodpecker, Northern Parula Warbler, and Savannah Sparrow are seen with regularity, but they are not seen in great numbers during their anticipated season.

Populations rated as **uncommon** are unpredictable in number, and individuals are seen rather infrequently from year to year. Species that occur naturally in sparse numbers, like the Red-shouldered Hawk or populations similar to Pine Siskin that are historically erratic, fall into this category.

Occasional sightings are outside seasonal occurrences such as extremely early or very late departure dates for transients or seasonal residents.

Rare sightings occur only once a year, or possibly once every two or three years for species still within their expected range. Examples of rare sightings are the Bald Eagle, Cape May Warbler, and Western Meadowlark.

Accidental refers to sightings of species occurring outside their expected ranges. In the following tables, accidental sightings are denoted by open circles with a notation of the actual month and day they were recorded. These notations indicate only the occurrence of a species sometime within the sixty-nine year period. Multiple accidental sightings may have occurred for some species such as the Eared Grebe, Glossy Ibis, Northern Goshawk, Saw-whet Owl, and the Snow Bunting. Again, these sightings may have occurred in different years, but the reader will have a record of the time of year the sightings were made.

It is possible for a population density to shift from one designation to another during the year. This variation should facilitate a better understanding of the fluctuations of bird populations during the year and among the species sighted in Shelby County since 1928.

No attempt was made to indicate possible declines or increases in populations over the period of coverage as year to year fluctuations in numbers were not recorded. Information obtained from breeding bird surveys indicate that bird populations can change from one year to another.

# Frequency of Occurrence

Common Seen every day in proper habitat. Numbers may vary from 10 to 100 or more when in flocks during certain seasons. IIIIIIIIIIIIIIIIIIIIII Fairly Seen almost every day in proper Common habitat. Numbers of individuals will usually be less than 10. Seen infrequently and may be in unpredictable numbers. Seen once a year or once every few years. Occasional Sightings outside seasonal occurrence or single sighting. Accidental Sighting outside normal range. Date Seen This column is provided to record the date of a sighting or to serve as a field check list.

| ite<br>en | Species                        | Jan     | Feb    |               |          |            |          | 1        |               | _                                       |               |               | _            |
|-----------|--------------------------------|---------|--------|---------------|----------|------------|----------|----------|---------------|---|---------------|---------------|--------------|
| 011       | Opecies                        | Jan     | Feb    | Mar           | Apr<br>8 | May<br>15  | Jun      | Jul      | Aug           | Sep                                     | +             | Nov           | De           |
|           | Common Loon                    | mm      | mm     | nnn           | 1 -      | 15         | 1        | 1        |               |   | 5             | mm            | ļ.,,         |
|           | Pied-billed Grebe              |         | (1111) |               |          |            |          |          |               |   |               | 1             | Γ            |
|           | Tou Dillou di CDC              | ******* |        |               | 12       | ****       | •        | • •      | •             | ann                                     | (111111<br>22 | фици          | μш           |
|           | Horned Grebe                   | mm      | mm     | innn          | 1111     | J          |          |          |               |   |               | uuu           | <i>,,,,</i>  |
|           | C101                           |         |        | 25            |          |            |          |          | 1             | 10                                      | 13            | 19            |              |
| -         | Eared Grebe                    |         |        | 0             | <u> </u> | ├          |          | <u> </u> | ļ             | 0                                       | 00            | 00            | _            |
|           | American White Pelican         |         |        | 16            | 5        |            | }        | 11       |               |   | 29            |               |              |
|           | The Following                  | -       |        |               | 12       | 17         | -        | •        | imm           | anna                                    | inni.         | <del> </del>  | <del> </del> |
|           | Brown Pelican                  |         |        | İ             | 0        | 0          |          | Ì        |               |   |               |               |              |
| -         | Double-crested                 |         |        |               | 5        | 6          |          | 8        | 1             | 2                                       |               | 16            | 1            |
| $\dashv$  | Cormorant                      |         | •      | •             | 1111     | <i>   </i> | <u> </u> | •        | •••           | нн                                      | фини          |               | •            |
| -         | Anhinga                        |         |        |               | 17       | l          |          | l        | 1             | 1                                       | 29            | 10            |              |
| ┪         | Attiniga                       | -       |        | 4             |          | 7 22       | anna     | innin    | 11            |   | illin         | •             |              |
| -         | American Bittern               |         |        |               | 111111   |            | ļ        |          | 1             | 20<br>                                  |               |               | 2            |
|           |                                |         |        |               | 30       | -          |          |          | 9             | 10                                      | <del> </del>  | $\vdash$      | _ •          |
| 4         | Least Bittern                  |         |        |               | •        |            | •        | •        | •             | •                                       | ] ,           |               |              |
|           | Creat Blue Hauss               | lJ      |        |               |          |            |          |          |               |   |               |               | _            |
| $\dashv$  | Great Blue Heron               | 111111  | 111111 |               | 111111   | 111111     | 111111   | 111111   | 111111        | 1111111                                 | (1111111      | 1111111       | Ш            |
|           | Great Egret                    |         |        | 6             |          |            |          |          | )<br>}******* | l                                       | 29            | 13            | 7            |
| 1         | Grout Egict                    | -       |        | 11111         | 17       | 111111     | 1111111  | 111111   | 7111111       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1             |               | _•           |
|           | Snowy Egret                    |         |        |               |          | ш          | шш       | 111111   | шш            | шш                                      | ******        | ±             |              |
| - [       |                                |         |        | 23            |          |            |          |          |               |   | 14            | +             |              |
| 4         | Little Blue Heron              |         |        | _#            | шш       |            | *****    | 1111111  |               |   | ***           |               | •            |
|           | Tricolored Heron               |         | 1      | 1             |          | 15         |          | 18       |               | 7                                       |               |               |              |
| +         | Tricolored Heron               |         |        |               |          | _0_        |          | 0        | 00            | 0                                       |               |               |              |
| - 1       | Cattle Egret                   | . }     | ł      | 6<br>         | 111611   |            |          |          |               |   | 21            | ł             |              |
| 7         |                                |         |        | 21            |          |            |          | -        |               |   | 29            | 24            | 11           |
|           | Green Heron                    |         |        |               |          |            |          |          | )<br>         |   | mini          | -             |              |
|           | Black-crowned Night-           |         |        | 6             | 10       |            | 1        |          | 11            |   | 12            |               | _            |
|           | Heron<br>Yellow-crowned Night- |         |        | 0             | 0        | 0          | 0        |          | 0             | 0                                       | 0             |               |              |
|           | Heron                          |         | - 1    | 7             |          |            |          |          |               | 29                                      |               | 17            | 1            |
| †         | 101011                         |         |        |               |          | 141111     | +41117   | 14       | mm)           | н н                                     | $\vdash$      | •             | _            |
| ١         | White Ibis                     |         |        |               |          |            |          |          | mm            | 1111                                    |               |               |              |
| T         |                                |         |        |               | 13       | 11         |          |          | 24            |   | -             |               |              |
| 4         | Glossy Ibis                    |         |        |               | 0        | 0          |          |          | 0             |   |               |               |              |
|           | White-faced (bis               | ł       | - 1    | 1             | 19       |            | 7        | 7        |               |   |               |               |              |
| ١,        | AVEILLE-(ACEC IDIS             |         |        | 1             | 00       |            |          |          |               |   | - 1           | - 1           |              |
| 1         | 1000 1010                      |         |        | $\overline{}$ | -        | $\neg$     |          |          |               |   |               | $\overline{}$ |              |
| T         | Wood Stork                     |         |        |               |          |            |          | 14       | unni          |   | 20            | $\neg$        |              |

2

Occasional

Accidental

1011111111111

Fairly Common

Uncommon

| Date | Species                                 | lor     | Fal-               | Mari                               |   |         |     | ١                 |            |      | _   |                                    |                       |
|------|---|---------|--------------------|------------------------------------|---|---------|-----|-------------------|------------|------|---|------------------------------------|-----------------------|
| Seen | Species Black-bellied Whistling -       | Jan     | Feb                | Mar                                | Apr   | May     | Jun | Jul               | Aug        | Sep  | Oct   | Nov                                | Dec                   |
|      | Duck                                    |         |                    |                                    |   |         |     | ŀ                 |            |      |   | 24                                 | 18                    |
|      |   | 14      | 19                 |                                    | <u> </u>  | _       |     |                   | _          |      | <u> </u>  | <del>-</del> -                     | -                     |
|      | Tundra Swan                             | 0       | 00                 |                                    |   | 1       |     |                   |            |      |   |                                    |                       |
|      | Greater White-fronted                   | Γ       | 12                 | 20                                 |   |         |     |                   |            |      | 5   |                                    |                       |
|      | Goose                                   | 1111111 |                    | • •                                |   |         |     |                   |            |      | 11111   | mm                                 | um                    |
|      | 0                                       | l       |                    | ł                                  | 10  |         |     |                   |            |      | 2   |                                    | ļ                     |
|      | Snow Goose                              | ш       |                    | 111111                             | 28  |         |     |                   |            |      | ###   |                                    | *****                 |
|      | <br> Brant                              | l       | ł                  |                                    | 00  | } ,     |     | }                 |            |      | ł   |                                    |                       |
|      | Drune                                   |         | _                  |                                    | 26  |         | -   |                   |            | 24   |   | <u> </u>                           |                       |
|      | Canada Goose                            |         |                    | <br>  <del>                 </del> |   | 1111111 |     | <br>1611111       | )<br>)     |      |   | <br>  <del>                 </del> |                       |
|      |   |         |                    |                                    |   |         |     |                   |            |      |   |                                    |                       |
|      | Wood Duck                               |         |                    |                                    |   |         |     | _                 |            | _    |   |                                    |                       |
|      |   |         |                    | ļ                                  | 28  |         |     | 17                | 17         | 15   |   |                                    |                       |
|      | Green-winged Teal                       | шш      | 1                  | 23                                 | <del>                                      </del> | -       |     | _•                | •          | ш    | шш  | 411111                             | Ш                     |
|      | American Black Duck                     |         |                    |                                    |   |         |     |                   |            |      | 9   | нин                                |                       |
|      | 7 THORIGAN BILLON BUOK                  | 1       |                    | 7                                  |   | -       |     | _                 |            |      |   | ******                             | ****                  |
|      | Mallard                                 | _       |                    | 111                                |   |         | нии | <del>,,,,,,</del> | ,,,,,,,,,, | шш   |   |                                    |                       |
|      |   |         |                    |                                    | 3   |         |     |                   |            | 4    |   |                                    |                       |
|      | Northern Pintail                        | 111111  | (BHHH)             | min                                | 111   |         |     |                   |            |      | 1111111   | ши                                 | um                    |
|      | Blue-winged Teal                        | l       | l                  |                                    | <u> </u>  |         |     | ١                 |            |      |   |                                    |                       |
|      | Dide-Winged Teal                        | 111111  | <del>11111</del> 1 | 1111111                            | 1111111   | 8       | 5   | 11                | 111111     | 20   | <del>                                      </del> | *****                              | *****                 |
|      | Northern Shoveler                       |         |                    |                                    |   |         | •   | •                 | •          |      | /<br>   |                                    | ļ                     |
|      |   |         |                    | 21                                 | 21  | 3       |     |                   |            | 27   |   |                                    |                       |
|      | Gadwall                                 | 1111111 | шш                 | 11111                              |   | •       |     |                   |            |      | 1111111   | шш                                 | 11111                 |
|      | American Winson                         |         |                    | <u>]</u>                           | 20  |         |     |                   |            | 10   |   |                                    |                       |
|      | American Wigeon                         | 111111  | (111111)           | 111111                             | 1   | -       |     |                   |            | 1111 | <u> 1111111</u>                                   |                                    | Ш                     |
|      | Canvasback                              | 111111  | (11111)            |                                    | <b>.</b> '  |         |     |                   |            |      |   | 1<br>                              |                       |
|      |   |         | 1                  |                                    | 10  |         |     |                   |            |      | 26  |                                    |                       |
|      | Redhead                                 | нин     | . <del></del>      | ( <del>111111</del> 1              | (++   |         |     |                   |            |      |   |                                    | <br><del>(11111</del> |
|      |   |         |                    | ĺ                                  |   | 29      |     |                   |            |      | 13  |                                    |                       |
|      | Ring-necked Duck                        |         |                    |                                    |   |         |     |                   |            |      |   |                                    |                       |
|      | Greater Scaup                           | 23      |                    | ĺ                                  |   |         |     | ĺ                 | ĺ '        |      | ĺ   | 6                                  | 23                    |
|      | Greater Goadp                           | 00      |                    | -                                  | <del> </del>                                      | _       | 25  | <b></b>           | 15         |      | 3   | 0                                  | 00                    |
|      | Lesser Scaup                            |         | Ĺ                  |                                    |   |         |     | 1                 |            |      |   |                                    |                       |
|      | , |         |                    | 28                                 |   |         | Ť   |                   | <u> </u>   |      |   | 15                                 |                       |
|      | Oldsquaw                                | mm      |                    | •                                  |   |         |     |                   | <u></u> '  |      |   | •                                  | 111111                |
|      |   |         | 16                 |                                    |   |         |     |                   |            |      |   |                                    |                       |
|      | White-winged Scoter                     |         | 0                  | <u> </u>                           | ļ   |         |     |                   | L          |      |   |                                    | <u>L</u> .            |
|      | 0                                       | L       |                    | <u></u>                            |   |         |     |                   |            |      | L   | l. <b></b>                         | L                     |
|      | Common Goldeneye                        | BUILTI  | шш                 | 1111111                            | 111111  |         |     |                   |            |      | 1411111   | ШШ                                 |                       |

| Date |                   | 1      |                  | _        | 1                 | Ι      | _       | т —      |         | 1       |              |                       |        |
|------|-------------------|--------|------------------|----------|-------------------|--------|---------|----------|---------|---------|--------------|-----------------------|--------|
|      | Species           | Jan    | Feb              | Mar      | Apr               | Мау    | Jun     | Jul      | Aug     | Sep     | Oct          | Nov                   | Doo    |
| 2011 | Ороско            | Juli   | 1 60             | IVICA    | 1 Uhi             | iviay  | Juil    | Jui      | Aug     | Geh     | Oct          | NOV                   | Dec    |
|      | Bufflehead        |        | 1111111          |          | ш                 |        |         |          |         |         |              |                       |        |
|      | Hooded            |        |                  |          |                   | 21     |         | -        |         |         | 111111       | 11111111              |        |
|      | Merganser         | 111111 | 1111111          |          |                   |        |         |          | İ       |         |              | 1111111               |        |
|      | Common            |        |                  |          |                   | _      |         |          |         |         |              |                       | ****** |
|      | Merganser         | mm     | nnn              | innn     | innin             | ļ      |         |          |         |         | mm           | mm                    |        |
|      | Red-breasted      |        |                  | 1,,,,,,  |                   |        |         |          |         |         |              |                       |        |
|      | Merganser         |        |                  |          | <u></u>           |        |         |          |         |         |              | ( <del>111111</del> 1 |        |
|      |                   |        | 1                |          | -                 | 17     | 25      | 3        | 4       |         |              |                       | 1      |
|      | Ruddy Duck        |        |                  |          |                   |        | •       | •        |         | • •     |              |                       |        |
|      | ,                 |        |                  |          |                   | _      | _       | _        |         |         |              |                       |        |
|      | Black Vulture     | шш     | шш               | шш       |                   |        |         | <br>     | 1111111 |         |              |                       | )<br>  |
|      |                   |        |                  |          |                   |        |         |          |         |         |              |                       |        |
|      | Turkey Vulture    | *****  | *****            | шш       |                   |        | 1111111 | 81111111 | 1111111 |         | 1111111      | ш                     | <br>   |
|      |                   |        |                  |          | 3                 |        |         |          |         |         | 16           | 4                     | 3      |
|      | Osprey            |        |                  |          | • 🎛               | H 1000 | mm      | mm       | mm      | mm      | <del>m</del> |                       | •      |
|      | American Swallow- |        |                  |          | 10                |        |         |          |         | 19      |              |                       |        |
|      | tailed Kite       |        |                  |          | 0                 |        |         |          |         | 0       |              |                       |        |
|      |                   |        |                  | 30       | 8                 |        |         |          |         | Ĭ       | 1            |                       |        |
|      | Mississippi Kite  |        |                  | •        |                   |        |         |          |         |         |              |                       |        |
|      |                   |        |                  | 25       |                   | 15     |         |          | 16      |         |              |                       |        |
|      | Bald Eagle        | mm     | mm               | m        |                   |        |         |          | 1111    | innin   | inni         | unni                  | lunni  |
|      |                   |        |                  |          |                   | 13     |         |          | 16      |         |              |                       |        |
|      | Northern Harrier  | ШШ     | 1111111          | HHH      | (1111111          |        |         |          | 1111    | <br>    |              | 1111111               | 111111 |
|      | Sharp-shinned     |        |                  |          | 27                |        |         |          | 5       | 20      |              |                       |        |
|      | Hawk              | шш     | 111111           | (1111111 | <del>      </del> |        | l       |          | •       | •       | *****        | шш                    | шш     |
|      |                   |        |                  |          |                   |        |         |          |         |         |              |                       |        |
|      | Cooper's Hawk     | mm     | mm               | mm       | 1111              |        |         |          |         |         | mm           | mm                    | mm     |
|      | Northern          | 20     | 15               |          |                   |        |         |          |         |         | 30           | 30                    | 18     |
|      | Goshawk           | 00     | 0                |          |                   |        |         |          |         |         | 0            | 0                     | 0      |
|      | Red-shouldered    |        |                  |          |                   |        |         |          |         |         |              |                       |        |
|      | Hawk              | ШШ     | Ш                | (111111) | ш                 | шш     | шш      | mun      | шш      | шш      | шш           | шпп                   | 111111 |
|      | Broad-winged      |        |                  | 23       |                   |        |         |          |         |         | 22           | 10                    | 18     |
|      | Hawk              |        |                  | 11       | 1111111           | HIIII  | HIIIII  | 31111111 | 1611111 | 1111111 | ш            | •                     | •      |
|      |                   |        |                  |          |                   |        |         |          |         |         |              |                       |        |
|      | Red-tailed Hawk   |        |                  |          | шш                | шш     | 1811111 | )1111111 | 111111  | ШШ      | 1            |                       |        |
|      | Rough-legged      |        | 20               |          | ļ                 |        |         |          | 29      | 6       | 13           |                       |        |
|      | Hawk              | ####   | <del>     </del> |          |                   |        |         |          | •       | •       | #            | 1111111               | mm     |
|      | American          |        |                  |          | 1                 |        |         |          |         |         |              |                       |        |
|      | Kestrel           |        | HIIII            | шш       | шш                |        | шш      | шш       | 111111  | *****   | 111111       | шии                   | ш      |
|      |                   | 8      | 5                | 1        | 1                 | 1      | 1       | }        |         | 15      | l            | l -                   | 20     |
|      | Merlin            | • •    | •                |          |                   |        |         |          |         | •       | • •          | •                     | • •    |
|      |                   |        |                  | Ī .      | 22                | 14     |         | 20       | 12      |         | 22           |                       | 11     |
|      | Peregrine Falcon  | шш     | uum              |          | .00               | dii.   |         | • •      | 11111   | mm      | 1111.        |                       | •      |
|      |                   |        |                  |          |                   |        |         |          |         |         | 12           |                       |        |
|      | Prairie Falcon    | 1      | 1                | 1        | l                 | l      | l       | 1        |         | l .     | 00           | 1                     | l      |

| ate |                          |          |       |      |                     |   |  |                                       |           |              |        |         |        |
|-----|--------------------------|----------|-------|------|---------------------|---|--|---------------------------------------|-----------|--------------|--------|---------|--------|
| een | Species                  | Jan      | Feb   | Mar  | Apr                 | Мау                                     | Jun  | Jul                                   | Aug       | Sep          | Oct    | Nov     | Dec    |
|     | Wild Turkey              |          |       |      | <br>                |   | <u> </u>   |                                       | [         |              |        |         |        |
|     | Northern                 | 1        |       |      |                     | 177,113                                 | 111111   |                                       |           |              | 111111 | 1111111 | 171111 |
|     | Bobwhite                 |          |       | <br> | ( <del>111111</del> | <u> </u>                                | <br><del>                                     </del> | ļ<br>•••••                            | ļ         |              |        |         | ļ      |
|     |                          |          |       |      |                     |   |  |                                       |           | 22           |        |         |        |
|     | Yellow Rail              | ļ        |       |      |                     |   |  |                                       |           | 0            |        |         |        |
|     | King Rail                |          |       | 24   | nnn                 |   | ļ  | l                                     |           | 1            |        |         | 18     |
|     | rung rum                 | $\vdash$ |       | -    | 10                  | 3 6                                     | -  | · · · · · · · · · · · · · · · · · · · | 31        |              | 5      | 10      | •      |
|     | Virginia Rail            |          |       |      |                     | ##                                      |  |                                       | 0         |              | •ш     |         |        |
|     |                          |          |       | 23   |                     |   | 3  |                                       | 21        |              | Ī      | 28      | 18     |
|     | Sora                     |          |       | ##   | шш                  | шш                                      | • 11111  | mmi.                                  | 111111±   | 111111       | шш     | шш      |        |
|     | <u>_</u> .               |          |       | 19   |                     | 29                                      |  |                                       |           |              |        |         |        |
|     | Purple Gallinule         |          |       | 1111 | quun                | nun                                     |  |                                       |           |              |        |         |        |
|     | Common                   |          |       | 19   | 29                  | 31                                      |  |                                       |           | 17           | 5      |         |        |
|     | Moorhen                  | ļ        |       | 0    | - 111               | mm                                      | <u> </u>   |                                       |           | <i>III</i> . | 0      |         |        |
|     | American Coot            |          |       |      |                     | шиш                                     |  |                                       |           | l            |        |         |        |
|     | runonour ocot            | 16       | 22    |      | 24                  | 111111111111111111111111111111111111111 | <del></del>  |                                       | ш         | шш           | 15     | 20      | 26     |
|     | Sandhill Crane           |          | •     |      | 24                  |   |  |                                       |           | 21           |        | ●       | 26     |
|     | Black-bellied            |          |       |      | 9                   | 15                                      | 24   |                                       | 8         | •            | 25     | 12      |        |
|     | Plover                   |          |       |      | •                   | •                                       | •  |                                       | _         | mm           |        | •       |        |
|     | American                 |          |       | 4    |                     | 9                                       | 20   |                                       | 3         | 9            |        | 28      | 9      |
|     | Golden-Plover            | 1        | 1     |      |                     | _                                       |  |                                       | • •       |              |        |         | 0      |
|     |                          |          |       |      | 17                  |   |  |                                       |           |              |        |         |        |
|     | Wilson's Plover          |          |       |      | 0                   |   |  |                                       |           |              |        |         |        |
|     | Semipalmated             |          |       |      | 11                  | 27                                      |  | 17                                    |           |              |        | 16      |        |
|     | Plover                   |          |       |      | 111                 | ШШ                                      |  | • [                                   | 1111111   | 1118111      | Ши     | 1111    |        |
|     | L                        |          |       |      |                     | 5                                       |  |                                       | 11        | 4            |        |         |        |
|     | Piping Plover            |          |       |      |                     | •                                       | <u> </u>   |                                       | • •       | •            |        |         |        |
|     | 1211.4                   |          |       |      |                     |   |  |                                       |           |              |        |         |        |
|     | Killdeer<br>Black-necked | ++++++   | ***** |      |                     | _                                       |  |                                       |           |              |        |         | шш     |
|     | Stilt                    |          |       | 19   | 16                  |   |  |                                       |           | 19           | 5      |         |        |
|     | American                 |          |       | 0    | <b>V</b> II         | 1111111                                 | HIIII  | 1111111                               | 1111111   | 1111         | •      |         |        |
|     | Avocet                   |          |       |      |                     |   |  |                                       | 11        | 00           |        | 21      |        |
|     | Greater                  | ┼        |       |      | <u> </u>            |   |  |                                       |           | 00           |        | _       |        |
|     | Yellowlegs               |          |       | 2    |                     | 18                                      |  | 13                                    | 3         |              |        | 23      |        |
|     | Lesser                   | <b>†</b> | 16    | 2    |                     |   | 27   | 15                                    |           |              |        | 21      | 9      |
|     | Yellowlegs               |          | •     |      |                     | BIII •                                  | 27   |                                       |           |              |        | 21      | ° •    |
|     | Solitary                 |          |       | 28   |                     | 27                                      | Ť  | 5                                     | <u> </u>  |              | 25     | 22      |        |
|     | Sandpiper                |          | ĺ     | • 11 | (11111111           | mi                                      |  |                                       | ,,,,,,,,, | 1111111      | 111111 | •       | ĺ      |
|     |                          | 1        |       |      | 13                  | 5                                       |  | 11                                    | 23        | 16           |        |         |        |
|     | Willet                   |          |       |      | 00                  | Ō                                       |  | 00                                    | 0         | 0            |        |         |        |
|     | Spotted                  |          | 9     | 26   |                     | 26                                      | 24   | 7                                     |           | 26           | 27     | 29      |        |
|     | Sandpiper                | 1        | •     | 11   | HIHEE               | (1111)                                  | •  | 11111                                 | )81111    | (1111)       | •      | •       |        |

| Date  |                          | _   |   |           |                     |                     |                     |  |  |                    |                              |   |                     |
|-------|--------------------------|---|---|-----------|---------------------|---------------------|---------------------|--|--|--------------------|------------------------------|---|---------------------|
|       | Species                  | Jan   | Feb                                     | Mar       | Apr                 | May                 | Jun                 | Jul  | ۸  |                    | Oct                          | Nov   | L                   |
| 30011 | Upland                   | Jan   | Len                                     |           | Apr                 |                     | 21                  | _  | Aug                                      | Sep<br>27          | QCL                          |   | Dec                 |
|       | Sandpiper                |   |   | 12        | 111111              | 2                   | 21                  | 10   | <b></b>                                  |                    |                              | 13  |                     |
|       | Оштирірої                |   | <del> </del>                            | 1000      | 1144111             | <u> </u>            | •                   | 8  | ) [] [] [] [] [] [] [] [] [] [] [] [] [] | 7                  | <del></del>                  | <u> </u>  |                     |
|       | Whimbrel                 |   |   |           |                     |                     |                     | 00   | Ö  | ó                  |                              |   |                     |
|       | Hudsonian                |   |   |           | 17                  |                     |                     | -  |  |                    |                              |   |                     |
|       | Godwit                   |   |   |           | 0                   |                     |                     |  | ļ  |                    |                              |   |                     |
|       |                          |   |   |           |                     |                     |                     |  | 13                                       |                    |                              | -   |                     |
|       | Marbled Godwit           |   |   |           |                     |                     |                     |  | 00                                       |                    |                              |   |                     |
|       | Ruddy                    |   |   |           |                     | 23                  |                     | <del>                                     </del> | 5  | 21                 | 13                           |   |                     |
|       | Turnstone                |   |   |           |                     | •                   |                     |  | 0  | 0                  | 0                            |   |                     |
|       |                          |   | $\vdash$                                |           |                     |                     |                     | <u> </u>   | 6  | 11                 |                              |   |                     |
|       | Red Knot                 |   |   |           |                     |                     |                     |  | 0  | 0                  | 1                            |   |                     |
|       |                          |   |   |           |                     |                     |                     |  | 21                                       | 11                 | 29                           |   | 9                   |
|       | Sanderling               |   |   |           |                     |                     |                     |  | 00                                       | • •                | •                            |   | • •                 |
|       | Semipalmated             |   |   |           | 13                  | 29                  | 23                  | 23   |  |                    |                              | 18  |                     |
|       | Sandpiper                |   |   |           | iii                 | HIII                | •                   |  |  |                    | 1111111                      | 11111   |                     |
|       | Western                  | 1   |   | 26        | 16                  |                     |                     | 23   |  |                    |                              | 23  | 16                  |
|       | Sandpiper                | •   |   | •         | ш                   | шш                  | •                   | • H  | 1111111                                  | ******             | шш                           | *****   | 0                   |
|       |                          | 1   |   |           |                     | 27                  |                     | 4  | 6  |                    |                              |   | 22                  |
|       | Least Sandpiper          | • •   |   | ###       | TI                  |                     |                     | • •  | 11511                                    | 1111111            | 1111111                      | 111   |                     |
|       | White-rumped             |   |   |           | 14                  | 25                  | 5                   | 20   | 18                                       |                    | 26                           | 1   |                     |
|       | Sandpiper                |   |   |           | • •                 | • •                 | •                   | •  | •  |                    | •                            | •   |                     |
|       | Baird's                  |   |   |           | 1                   |                     |                     | 14   | 24                                       | 17                 | 3                            | 15  |                     |
|       | Sandpiper                | l .   |   | L         |                     |                     |                     |  | • •                                      | •                  | •                            | •   |                     |
|       | Pectoral                 |   | 25                                      | 9         |                     | 22                  | 16                  | 7  |  |                    |                              | 23  | 4                   |
|       | Sandpiper                |   | •                                       |           |                     |                     | 0                   |  |  |                    |                              |   | •                   |
|       | Sharp-tailed             |   |   |           |                     |                     |                     |  |  | 19                 |                              |   |                     |
|       | Sandpiper                |   |   |           |                     |                     |                     |  |  | 00                 |                              |   |                     |
|       | Purple                   |   |   |           |                     |                     |                     |  |  |                    |                              | 30  |                     |
|       | Sandpiper                |   |   |           |                     |                     |                     |  |  |                    |                              | 00  |                     |
|       |                          | 1   |   | 24        | 27                  | 29                  |                     |  | 23                                       | 23                 | 26                           | 21  | 18                  |
|       | Dunlin                   |   |   | •         | • •                 | • •                 | L                   |  | •  | •                  | • ///                        | 1111.   | •                   |
|       |                          | ] .   | ]                                       | 10        | 26                  | 24                  |                     | 4  | 3  | 26                 | 29                           | 15  |                     |
|       | Stilt Sandpiper          |   |   | •         | •                   | • •                 |                     | • •  | +++++                                    | ****               | •                            | •   |                     |
|       | Buff-breasted            |   |   |           | 26                  | 14                  |                     |  | 1  | 6                  | 17                           | ĺ   |                     |
|       | Sandpiper                |   |   | ļ         | •                   | •                   |                     |  | • •                                      | •                  | • •                          |   |                     |
|       | _ ,,                     |   |   |           |                     | 14                  |                     |  | 21                                       | 7                  | 5                            | 25  |                     |
|       | Ruff                     |   |   |           |                     | 00                  |                     |  | 0  | 0                  | 0                            | 0   |                     |
|       | Short-billed             |   |   |           | 6                   | 18                  |                     | 4_   | 17                                       | L                  | 25                           | 1   |                     |
|       | Dowitcher                | ļ   | ļ                                       | <u> </u>  | 111111              |                     |                     | •  |  | unn                | um                           |   |                     |
|       | Long-billed              |   | 1                                       | 1         | 12                  | 19                  | }                   | 19   | 11                                       | 3                  | 16                           |   |                     |
|       | Dowitcher                | ļ   | ļ                                       | ļ         | •                   | •                   |                     | •  | •  | •                  | • •                          | <u> </u>  |                     |
|       | Common Col               |   | l                                       | <b></b> . | l                   | 8                   |                     |  | 13                                       | 11                 |                              |   |                     |
|       | Common Snipe<br>American | 1111111   | 1111111                                 | 1111111   | 1111111             | III .               |                     |  | •  | • 11               | 1111111                      | Шии   | шип                 |
|       | Woodcock                 | l   | l. <b></b>                              | ļ         | J                   | l                   | l                   | l  | l  | l                  | l                            | l   | J                   |
|       | WOODCCCK                 | <del>                                      </del> | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1111111   | <del>(111111)</del> | <del>(1111111</del> | <del>,1111111</del> | <del>////////</del>                              | <del>;:::::</del>                        | <del> ++++++</del> | <del>                 </del> | <del>                                      </del> | <del>(++++++)</del> |

| Date      | WALL TO                        | 1                   |   |               |   |                 |           |          |         |   | ,            |   |          |
|-----------|--------------------------------|---------------------|---|---------------|---|-----------------|-----------|----------|---------|---|--------------|---|----------|
|           | Species                        | Jan                 | Feb                                     | Mar           | Apr                                     | May             | Jun       | Jul      | Aug     | Sep                                     | Oct          | Nov   | D        |
| 00011     | Wilson's                       | Jaii                | 1.60                                    |               | 16                                      | 12              | Juii      | 24       | 13      | Sep                                     | 9            |   | Dec      |
|           | Phalarope                      |                     |   | 24            | 10                                      | 12              |           | 24       |         | nnn                                     |              | 24  |          |
|           | Red-necked                     | -                   |   | -             | <u> </u>                                | -               | _         | <u> </u> | 17      |   | _            | •   | -        |
|           | Phalarope                      |                     | ļ                                       |               |   |                 |           |          | 00      |   |              |   |          |
|           |                                |                     |   |               |   |                 |           |          | 24      |   |              |   |          |
|           | Jaeger Species                 | 1                   |   |               |   |                 |           |          | 0       |   |              |   | ļ        |
|           |                                |                     |   |               |   | 7               |           |          |         | 25                                      |              | _   |          |
|           | Laughing Gull                  |                     |   |               |   | loo.            |           |          |         | 0                                       |              |   |          |
|           |                                |                     | 9                                       | 5             | 19                                      | 2               |           |          |         | 15                                      | 8            | 10  | 3        |
|           | Franklin's Gull                |                     | 0                                       | 0             | 0                                       | 0               |           |          |         | Ö                                       | 0            | 00  | Õ        |
|           |                                | 8                   | 4                                       | 5             |   |                 |           |          |         |   | 11           | 21  | 2        |
|           | Bonaparte's Gull               | 0                   | 00                                      | 0             | ******                                  | ŧ               |           |          |         |   | ##           | 11111   | Ō        |
|           |                                |                     |   |               |   | 15              |           |          |         | 11                                      |              |   |          |
|           | Ring-billed Gull               | 1111111             | )111111                                 | HHIIII        | 1111111                                 | (m              |           |          |         | 11111                                   | )111111      | ,<br>Heren  | (111111  |
|           |                                |                     |   |               |   | 3               |           |          |         | 23                                      |              |   |          |
|           | Herring Gull                   | шш                  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | <del>mm</del> | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | <del> </del> ## |           |          |         | 144                                     | ш            | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,           | mm       |
|           |                                |                     |   |               | 24                                      |                 |           | 18       |         |   | 22           |   |          |
|           | Caspian Tern                   |                     |   |               | •                                       | ###             |           | #        | шш      | шш                                      | ш            |   |          |
|           | 1                              | ( )                 |   |               | 7                                       | 24              |           |          | 12      | 18                                      | 1            |   |          |
|           | Common Tern                    |                     |   |               | •                                       | ••              |           |          | •       | • •                                     | •            |   | İ        |
|           | _                              | İ                   |   | 11            | 22                                      |                 |           | 4        | 22      | 28                                      |              | 18  | 25       |
|           | Forster's Tern                 |                     |   | •             |   |                 | •         | • •      | •       | •                                       | ••           | •   | •        |
|           |                                |                     | ļ                                       |               | 25                                      | 2               |           |          |         | 16                                      |              |   |          |
|           | Least Tern                     |                     |   |               | •                                       | 11111           | mm        | 111111   | шш      | <del>111</del> 1                        |              |   |          |
|           | n                              |                     |   |               | 13                                      | 5               | 12        | 12       |         |   | 14           |   |          |
|           | Black Tern                     |                     |   |               | •                                       | 11111           | III       | 111      | 1111111 | 111111                                  | 1111         |   |          |
|           | Darate Barrier                 |                     |   |               |   | ·               |           |          |         |   |              |   |          |
| _         | Rock Dove                      |                     |   |               |   |                 |           |          |         |   |              |   |          |
|           | Maximi - Davis                 |                     |   | ŀ             |   | l               | ١.        |          |         |   |              |   |          |
|           | Mourning Dove<br>Common Ground | 4.0                 |   |               |   | -               |           |          |         |   |              |   |          |
|           | Dove                           |                     |   |               |   | 2               |           |          | 9       | 22                                      | 23           |   |          |
|           | Black-billed                   | 0                   |   | -             |   | 0               | -         |          | 00      | - 80                                    | 11111        |   | <u> </u> |
|           | Cuckoo                         |                     |   |               | 24                                      | 18              | 20        | ŀ        | 14      |   | 27           |   |          |
|           | Yellow-billed                  | -                   |   |               |   | <del>-</del>    | -         | ļ        | •       |   | •            | ļ. —  | _        |
|           | Cuckoo                         |                     |   |               | 11                                      |                 |           |          |         |   |              | 2   | 23       |
|           | Cuckoo                         | <b></b>             | <b></b>                                 |               |   |                 |           |          | _       |   | _            |   | •        |
|           | Barn Owl                       | <b></b>             | ļ                                       | ļ.,,,,,       | <u> </u>                                | <br>            | ļ         |          | <b></b> | l                                       | l            | <u> </u>  | <u> </u> |
| <b></b> - | Eastern Screech-               | <del>,,,,,,,,</del> | 7111111                                 | ******        | ******                                  |                 | *****     | ++++     | +++++   | *****                                   | <del>,</del> | <del>, mnn</del>                                  | шп       |
|           | Owl                            | <b>.</b>            | ļ                                       | ļ             |   | (111111         |           |          | l       | ļ                                       | <b></b>      | ļ   | ļ.,,,,   |
|           | Great Horned                   |                     | ·····                                   |               |   |                 |           |          | 1111111 |   |              | *********   | *******  |
|           | Owl                            |                     | <u> </u>                                | L             | Ļ                                       | <br>            | ļ.,,,,,,, | ļ.,,,,,  |         |   | ļ.,,,,,      | ļ.,,,,,   | ļ.,,,,,  |
|           |                                | ******              | 7.7777                                  | *******       | 1                                       | 1               | 111114    |          | 111111  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 7****        | <del>                                      </del> | ******   |
|           | Barred Owl                     |                     |   |               |   |                 |           |          |         |   | <u> </u>     | <u> </u>  |          |
|           | Daned OWI                      |                     |   |               | _                                       |                 |           |          |         |   |              |   |          |
|           | Long-eared Owl                 |                     |   |               | 9                                       |                 |           |          | l       |   |              | 27  |          |
|           | =ong carea Owi                 |                     | L                                       | _             | <u> </u>                                | Ь               | Ь         | Щ        | L       | L                                       | L            |   | L        |

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| Date |                  | _   |         |         |              |                  |          |               |           |         |         |                | г       |
|------|------------------|---|---------|---------|--------------|------------------|----------|---------------|-----------|---------|---------|----------------|---------|
|      | Chasias          |   | F-4     |         |              |                  | 1        | 1             |           |         | 0.1     |                |         |
| Seen | Species          | Jan   | Feb     | Mar     | Apr          | Мау              | Jun      | Jul           | Aug       | Sep     | Oct     | Nov            | Dec     |
|      | Chart sauad Oud  |   |         |         | 17           |                  |          |               |           |         | 12      |                |         |
|      | Short-eared Owl  | <del>                                      </del> | *****   | ******  | ***          |                  |          |               |           |         | +++     | (1111111       |         |
|      | whet Owl         |   |         | 00      |              |                  |          |               |           |         |         |                | 24      |
|      | Common           |   |         |         |              |                  |          |               |           |         |         | <del>  -</del> | 00      |
|      | Nighthawk        |   |         | 11      | 19           |                  | <u></u>  | l             | L         |         |         | 1              | 18      |
|      | Chuck-will's-    |   | -       | •       |              | 1111111          | 1111111  | 1111111       |           | 111111  | 111111  | •              | ••      |
|      | widow            |   |         |         | 29           | 1081101          | <u> </u> |               | 28        |         |         |                |         |
|      | WIGOW            |   | -       |         | <b>V</b> III |                  |          |               |           |         |         |                |         |
|      | Whip-poor-will   |   |         | 23      | 1111111      | 1                |          |               | 23        | нин     |         | 25             |         |
|      | Willip-pool-will | -   |         |         |              | •                |          |               |           | TITLE   |         |                | -       |
|      | Chimney Swift    |   |         | 17      |              |                  |          |               |           |         |         | 17             | 1       |
|      | Ruby-throated    | 21  |         |         | 1            |                  |          |               |           |         | 27      |                | ••      |
|      | Hummingbird      | - 1   |         | 25      |              |                  |          |               |           |         | 27      | 1              |         |
|      | Rufous           | •   | 17      | -       |              |                  |          |               |           |         |         | •              | -       |
|      | Hummingbird      | mm  |         |         |              |                  |          |               |           |         |         |                | 8       |
|      | Belted           |   |         | -       |              |                  |          |               | -         |         |         | _              | 0.00    |
|      | Kingfisher       |   |         |         |              | <br>             |          | <b>.</b>      |           |         |         | ļ.,,,,,        |         |
|      | Red-headed       |   |         |         |              | *******          |          | ******        | ******    |         |         |                |         |
|      |                  |   |         |         |              | (*******         |          | <b>.</b>      | l         |         |         |                |         |
|      | Red-bellied      |   |         | -       |              |                  |          | ******        | ******    |         | ******  |                | 111111  |
|      | Woodpecker       |   |         |         |              |                  |          |               |           |         |         |                |         |
|      | Yellow-bellied   |   |         |         |              | 7                |          |               |           |         |         |                |         |
|      | Sapsucker        |   |         | i       |              | _′               |          |               | 25        | _       |         |                |         |
|      | Downy            | 1   |         |         |              | F                |          |               |           | _       |         |                |         |
|      | Woodpecker       |   |         |         |              |                  |          |               |           |         |         |                | L       |
|      | Hairy            |   |         |         |              |                  |          |               |           |         |         |                | <b></b> |
| ļ    | Woodpecker       |   | 1116616 | 1161311 |              |                  | )<br>    | !<br>******** | <br>      |         | <br>    |                |         |
|      | Northern Flicker |   |         |         |              |                  |          |               |           |         |         |                |         |
|      | "Yellow-shafted" |   |         |         |              | <br>             |          | ļ             | <br>      |         |         |                |         |
|      | Northern Flicker | 1   |         |         |              |                  |          |               |           |         |         |                | 27      |
| ŀ    | "Red-shafted"    | 0   |         |         |              |                  |          |               |           |         |         |                | 10      |
|      | Pileated         | Ť   |         |         |              |                  |          |               |           |         |         | 1              |         |
|      | Woodpecker       | 1111111   |         | 1111111 |              |                  |          | 1111111       | <br>      | 1111111 | 1111111 | 1111111        | 1111111 |
|      | Olive-sided      |   |         |         | 25           | 24               |          |               | 8         |         | 1       | T              |         |
|      | Flycatcher       |   |         |         | •            | ••               |          |               |           | anni    |         |                | 1       |
|      | Eastern Wood-    |   |         | 27      | 3            |                  |          |               |           |         | 28      |                |         |
|      | Pewee            |   |         | •       |              |                  |          |               |           | <u></u> |         |                | }       |
|      | Yellow-bellied   |   |         |         | 20           | 23               |          |               | 19        |         | 4       |                |         |
| L    | Flycatcher       |   |         |         | HH           | <del>!!!!!</del> |          |               | ##        | шш      | ±.      |                |         |
|      | Acadian          | ľ   |         |         | 19           |                  |          |               |           |         | 16      |                |         |
|      | Flycatcher       |   |         |         |              | (1111111         | (mm)     | hama          | )<br>HHHH | 1111111 |         |                |         |
|      |                  |   |         |         |              | 14               |          |               |           |         | T       | 1              | T       |
|      | Alder Flycatcher |   |         |         |              | • 🛭              | 4        |               | 8         | 111     |         |                | '       |
| [    | Willow           | İ   |         |         |              | 13               |          |               |           |         |         |                |         |
| l    | Flycatcher       |   |         |         |              | • 8              | 1        |               | 8         | 777     | 1       |                | -       |

| D-1- |                   |         | _                                     |   |           |                  |                      |   |   |          |          |   | ,        |
|------|-------------------|---------|---------------------------------------|---|-----------|------------------|----------------------|---|---|----------|----------|---|----------|
| Date | Charine           | Jan     | Feb                                   | Mar   |           | Manuel           | l                    | ls d  |   | C        | 0-4      | <b>A</b> 1                              | <b>D</b> |
| Seen | Species           | Jan     | reb                                   | Mar   | Apr       | May              | Jun                  | Jul   | Aug   | Sep      | Oct      | Nov                                     | nec      |
|      | Least Flycatcher  |         |                                       |   | 24        | 28               |                      | 1   | *****   | *****    | 7        |   |          |
| -    | Least FlyCalcilei |         |                                       |   |           | 11111            |                      |   | *****   | *****    | ***      |   |          |
|      | Eastern Phoebe    |         | nnny                                  |   |           | Ļ                |                      |   |   |          |          |   |          |
|      | Vermilion         |         | · · · · · · · · · · · · · · · · · · · | 1111111   | 1111111   | 11111111         | *****                | mm  | mm  | unni     | 17       | mmi                                     | 1        |
|      | Flycatcher        |         |                                       |   |           |                  |                      |   |   |          | 10       |   | . 0      |
|      | Great Crested     |         |                                       | 27  |           |                  |                      |   |   | 24       | 1        |   |          |
|      | Flycatcher        |         |                                       | - /   |           |                  |                      |   |   | 24       |          |   |          |
|      | . Iyoutono.       |         |                                       | 27  | 1         |                  |                      |   |   | 27       | <u> </u> |   |          |
|      | Eastern Kingbird  |         |                                       | 0   | l -       | <br>             |                      |   | <br>  |          |          |   |          |
|      | Scissor-tailed    |         |                                       |   | 8         |                  | 5                    |   | ******  | 30       |          |   |          |
|      | Flycatcher        |         |                                       |   |           | mm               |                      |   |   | 30       |          |   |          |
|      | .,,               |         |                                       |   |           |                  |                      |   |   |          |          |   |          |
|      | Horned Lark       |         |                                       | mm  |           | <br>             | 1611111              | <br>  |   |          |          |   |          |
|      |                   |         | 23                                    |   |           |                  |                      |   |   |          | 23       |   |          |
|      | Purple Martin     |         |                                       | <del>   </del>                                    |           |                  |                      |   |   |          |          |   |          |
|      |                   |         |                                       | 16  |           | 19               | 18                   | 11  |   |          |          | 20                                      |          |
|      | Tree Swallow      |         |                                       | `=  |           | , ,              | •                    |   |   | -        |          |   |          |
|      | Northern Rough-   |         |                                       | 12  |           |                  |                      |   |   |          |          | ,                                       |          |
|      | winged Swallow    |         |                                       |   | <br>      | <br><del> </del> | <br><del> </del>     | <br><del>               </del>                    | <br><del>}     </del>                             |          | *****    | <del>-</del>                            |          |
|      | _                 |         |                                       |   | 8         |                  |                      |   |   |          | 26       |   |          |
|      | Bank Swallow      |         |                                       |   |           | (11 888          | <del>,,,,,,,,,</del> | <del>                                      </del> |   |          | min.     |   |          |
|      |                   |         |                                       |   | 16        | 24               | 29                   | 14  | 1   |          |          | 1                                       |          |
|      | Cliff Swallow     |         |                                       |   | ,         | inn              | •                    | •   | шш  | mm       | anna     |   |          |
|      |                   |         |                                       | 11  |           |                  |                      |   |   |          | 28       | 19                                      |          |
|      | Barn Swallow      |         |                                       |   |           |                  |                      |   |   |          |          | •                                       |          |
|      |                   |         |                                       |   |           |                  |                      |   |   |          |          |   |          |
|      | Blue Jay          |         |                                       |   |           |                  |                      | -   | ٠.  |          |          | _                                       | _        |
|      |                   |         |                                       |   |           |                  |                      |   |   |          |          |   |          |
|      | American Crow     |         |                                       |   |           |                  |                      |   |   |          |          |   |          |
|      |                   | l       |                                       | ]   | ]         | J                | l                    | l   | l   | l        |          |   |          |
|      | Fish Crow         | шш      | шш                                    |   | 111111    |                  | ,,,,,,,,,,,          | ,,,,,,,,,,,,,,,,,                                 | ,,,,,,,,,,  |          | ******   |   | *******  |
|      | Carolina          |         |                                       |   | 8         |                  |                      |   |   |          |          |   |          |
|      | Chickadee         |         |                                       |   |           |                  |                      |   |   |          |          |   |          |
|      |                   |         |                                       |   | 1         |                  |                      |   | 1   |          |          |   |          |
|      | Tufted Titmouse   |         |                                       |   |           | <b></b>          |                      |   |   |          | ==       |   |          |
|      | Red-breasted      |         |                                       |   |           | 11               |                      |   |   | 9        | l        | ]                                       | J        |
|      | Nuthatch          | ####    | 1111111                               | шш  | шш        | 11111111         | <u> </u>             |   |   | #        | 1111111  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1111111  |
|      | White-breasted    |         |                                       | ļ   | ļ         | <u> </u>         | ļ                    | ļ   | L   | <b></b>  |          | I                                       |          |
|      | Nuthatch          | 111111  | шш                                    | <del>                                      </del> | 111111    | 1111111          | 1111111              | *******   | <del>                                      </del> |          | нип      | 1111111                                 | +++++    |
|      |                   | l       |                                       |   | 30        |                  |                      |   |   | 8        |          |   |          |
|      | Brown Creeper     | ####    | ******                                | шш  | <u>шш</u> | <u> </u>         |                      | <u> </u>  | 1   | ##       | #####    | (####                                   |          |
|      | D                 |         |                                       | 1   |           |                  |                      |   |   |          | 1        |   | 23       |
|      | Rock Wren         | -       |                                       |   |           | <del> </del>     | <u> </u>             | <b> </b>  | <b> </b>  | <u> </u> |          | 1                                       | 0        |
|      |                   | L       | l                                     | l   |           | <u></u>          | J                    | L   | l   | l        | l        | l                                       | l        |
|      | Carolina Wren     | 1111111 | 1111111                               | HIIIII  | 1111111   | ļIIIII           | İHIII                | ļmm   | ĮIIIII  | HIIIII   | HIIIII   | IIIIIII                                 | (1111111 |

| Date |                                       |  |         |         |          |                        |         |        |               | $\Gamma$ | 1        | Г        | 1        |
|------|---------------------------------------|--|---------|---------|----------|------------------------|---------|--------|---------------|----------|----------|----------|----------|
| een  | Species                               | Jan  | Feb     | Mar     | Apr      | Мау                    | Jun     | Jul    | Aug           | Sep      | Oct      | Nov      | Dec      |
|      | Danishia Ma                           |  | l       |         | ļ        | l                      | l       | l      |               |          |          |          |          |
|      | Bewick's Wren                         | anna   | junn    |         | iiiiiii  |                        |         |        |               |          | illilli  | punn     | illilli  |
|      | House Wren                            |  |         | 7       | <u> </u> | 9                      | 9       | 22     | 17<br>∭ •     | 27       | <u> </u> |          |          |
|      | TIOUSE TYTE!                          | <del>                                     </del> |         |         |          | <del> </del>           | 0       |        | <i>IIII</i> • | • #      |          | 111111   | 111111   |
|      | Winter Wren                           |  | 111111  |         | 27       |                        |         |        |               |          | 2        | <br>     | <u></u>  |
|      |                                       | 4  |         | 14      |          | _                      |         | _      | 8             |          | •        | 4        |          |
|      | Sedge Wren                            | •  |         | ı       | illilli  | 9                      |         |        |               |          |          | E'       | 17       |
|      |                                       | 1  |         | -,-,    | 22       | 13                     |         |        |               |          | 8        | <u> </u> | 19       |
|      | Marsh Wren                            | •  |         |         | .111     | 11111                  |         |        |               |          |          | HHH      | IIII.    |
|      | Golden-crowned                        |  |         |         | 21       |                        |         |        |               | 25       |          |          |          |
|      | Kinglet                               |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Ruby-crowned                          |  |         |         |          | 12                     |         |        |               | 17       |          |          |          |
|      | Kinglet                               | mm   | 111111  | шш      |          |                        |         |        |               |          |          |          | ШШ       |
|      | Blue-grey                             |  |         | 17      |          |                        |         |        |               | 29       |          | ļ        | 18       |
|      | Gnatcatcher                           | <u> </u>   |         | -       |          |                        |         |        |               |          |          |          | •        |
|      |                                       |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Eastern Bluebird                      | 111111   | 111111  | 1111111 |          | 1111111                |         | шш     | ,,,,,,,,,     | ППП      | 1111111  | 111111   | 111111   |
|      | Veery                                 |  |         |         | 20       | 21<br><del>11111</del> | 1       |        |               |          | 4        |          |          |
|      | Grey-cheeked                          |  |         |         | -        | -                      | 0       |        |               | 1111.    | •        |          |          |
|      | Thrush                                |  |         |         | 12       | 31                     |         |        |               | 9        | 31       |          |          |
|      | Swainson's                            | -  |         |         |          |                        |         |        |               |          | 111111   |          |          |
|      | Thrush                                |  |         |         | 6        | 25                     |         |        |               | 6        |          | 2        |          |
|      | T T T T T T T T T T T T T T T T T T T |  |         |         |          | =                      |         |        |               |          |          | -        |          |
|      | Hermit Thrush                         |  | ,,,,,,, |         | 30       |                        |         |        | l .           | 10       | ļ        | 1111111  |          |
|      |                                       | 1  |         |         | 2        |                        |         |        |               | _****    | *****    | 10       | 1        |
|      | Wood Thrush                           |  |         |         | 2        |                        |         |        |               |          |          | 10       | <u>'</u> |
|      |                                       |  |         |         |          |                        |         |        |               |          |          | FŤ       | •        |
|      | American Robin                        |  |         |         |          |                        |         |        |               |          |          | L.       |          |
|      |                                       |  |         | 12      | 11       |                        |         |        |               |          | 29       |          |          |
|      | Grey Catbird                          |  |         | •       |          |                        | ******  | ****** |               |          |          |          |          |
|      | Northern                              |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Mockingbird                           |  |         |         |          |                        | _       |        |               | _        |          | _        |          |
|      |                                       |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Brown Thrasher                        |  |         | =       |          |                        |         |        |               |          |          |          |          |
|      |                                       |  | l       |         |          | 1                      |         |        |               |          | 10       |          |          |
|      | American Pipit                        | umi  | iiiiiii | шш      |          | •                      |         |        |               |          | ПП       | нин      | *****    |
|      |                                       |  | l       |         | 23       |                        |         |        |               |          | 12       |          |          |
|      | Sprague's Pipit                       | unn  | illilli | unni    | 11111    |                        |         |        |               |          | • ///    | nnn      | шш       |
|      | Coder Meseri                          |  |         |         | L        |                        | 8       |        | 27            |          | 1        |          |          |
|      | Cedar Waxwing<br>Loggerhead           |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Loggernead<br>Shrike                  |  |         |         |          |                        |         |        |               |          | l        | L        |          |
|      | European                              | тин  | шш      | 1111111 | 1111111  | ******                 | ******* | ****** | ******        | 111111   | ******   | HHITT    | нип      |
|      | Starling                              |  |         |         |          |                        |         |        |               |          |          |          |          |
|      | Janny                                 |  |         |         |          |                        |         |        |               | _        |          |          |          |

| Date | 1                          | 1.   | ۱    | ١    |             | l i              |              | ١            |         | _                     |            |            |          |
|------|----------------------------|--|------|------|-------------|------------------|--------------|--------------|---------|-----------------------|------------|------------|----------|
| Seen | Species                    | Jan  | Feb  | Mar  | Apr         | May              | Jun          | Jul          | Aug     | Sep                   | Oct        | Nov        | Dec      |
|      | White-eyed                 | 8  |      | 21   |             |                  |              |              |         |                       |            |            | 25       |
|      | Vireo                      | •  |      |      |             |                  |              |              |         |                       |            |            | •        |
|      | ]                          | ]  |      |      |             | 19               | 27           | 25           |         | İ                     |            | ]          |          |
|      | Bell's Vireo               |  | ļ    |      |             | •                | •            | • •          |         |                       |            |            |          |
|      | 1                          | 20   | 28   |      | 1           | 18               |              |              |         | 9                     |            | 30         | 19       |
|      | Solitary Vireo             | •  | • •  |      | ####        | <del>     </del> |              |              |         | • #                   | ч          | <b>#</b> ● | •        |
|      | Yellow-throated            |  |      | 19   |             |                  | Į            | ļ            |         |                       | 23         | ,          |          |
|      | Vireo                      |  |      | 11   | 1111111     | 1111111          | )HHH         | 1111111      | 1111111 | 1111111               | 1111       |            |          |
|      |                            |  | ļ    | }    | 1           |                  |              |              |         | 13                    |            |            |          |
|      | Warbling Vireo             |  |      |      | шш          | шш               | шш           | шш           | шш      | Ш                     |            |            | L        |
|      | Philadelphia               |  | ł    | 31   | 20          | 24               | }            | }            | 25      | 18                    | 13         |            |          |
|      | Vireo                      |  |      | •    | <u> </u>    | ш.               |              |              |         | ++                    | ++-        |            |          |
|      |                            |  |      | 24   | 5           |                  |              |              |         |                       | İ          | 3          |          |
|      | Red-eyed Vireo             |  | L    | •    |             |                  |              |              |         |                       |            |            |          |
|      | Blue-winged                | -  | ł    | 27   |             | 8                | 1            | ł            | 7       |                       | 25         |            |          |
|      | Warbler                    |  |      | - 33 | SIBH 2      | ш                |              |              | nnn     | инин                  | <b>S</b> • |            |          |
|      | Golden-winged              |  |      |      | 12          | 20               |              |              | 20      | 29                    | 1          |            |          |
|      | Warbler                    |  |      |      | mm          | m                |              |              | 1       | IIII.                 | 0          |            |          |
|      | "Brewster's"               |  |      |      | 19          |                  |              |              | 30      | 18                    |            |            |          |
|      | Warbler                    |  |      |      | •           |                  |              |              |         | •                     |            |            |          |
|      | Tennessee                  |  |      |      | 4           | 25               |              |              | 25      |                       |            | 11         |          |
|      | Warbler                    |  |      |      |             |                  |              | 1            |         |                       |            |            |          |
|      | Orange-crowned             | 24   | 10   | 28   |             | 12               |              |              |         | 11                    |            | 4 8        | 27       |
|      | Warbler                    | 1  | 1111 | • ## | 1111111     |                  |              |              |         | 1111                  | шш         |            | • •      |
|      | Nashville                  |  |      |      | 4           | 15               |              |              | 21      |                       |            | 18         |          |
|      | Warbler                    | Į  |      | Į    |             |                  |              |              |         |                       | )111111    |            |          |
|      | Northern Parula            |  |      | 1    |             |                  |              |              |         |                       | 25         |            |          |
|      | Warbler                    |  |      |      |             | HIHI             | 111111       |              | Communi | 3111111               |            |            |          |
|      |                            |  |      |      | 9           |                  |              |              |         |                       | 27         |            |          |
|      | Yellow Warbler             | 1  |      | ļ    |             | (mu##            | шш           | шш           | нин     | 1111111               | ш          |            |          |
|      | Chestnut-sided             |  |      |      | 16          | 27               |              |              | 13      | 1                     |            |            |          |
|      | Warbler                    |  |      |      |             | - 1              |              |              |         | <del></del>           | 27         |            |          |
|      | Magnolia                   | <del>                                     </del> | _    |      | 10          |                  | 4            |              | 14      |                       |            | 10         |          |
|      | Warbler                    | }  | l    |      | 10          |                  | _            | 1            |         |                       |            |            | l        |
|      | Cape May                   | ,  |      |      |             | 19               |              |              |         | 24                    |            | -          |          |
|      | Warbler                    | 3  |      |      | 22          | 1 .              |              | 1            | 20      | 24                    |            | 1          | 2        |
|      | Black-throated             | † <del></del>                                    | _    |      |             | ,,,,             |              | <del> </del> | 1       | -                     | 27         | <u> </u>   |          |
|      | Blue Warbler               | 1  | ì    | 1    | 1           | l                |              | 1            | 1       | 1                     | • •        | ì          | ľ        |
|      | Yellow-rumped              | <del> </del>                                     |      |      | <del></del> | 17               |              | <b>-</b>     | _       | 27                    | <u> </u>   | $\vdash$   |          |
|      | Warbler                    |  |      |      |             | L.'              |              | 1            |         | - ´ · •               |            |            |          |
|      | Black-throated             |  |      | 19   |             | 25               | $\vdash$     | 21           | 7       |                       |            | 24         |          |
|      | Green Warbler              | [  | [    |      |             | 25               |              | 21           | 111111  | <u></u>               |            | 24         | (        |
|      | Blackburnian               | }  | -    |      | 3           | 28               | <del> </del> | <u> </u>     |         |                       |            | :11:       |          |
|      | Warbler                    |  |      | 1    |             |                  |              |              | 28      | 8<br><del>11111</del> | 23         |            |          |
|      |                            | 1  | L    |      | 111111      |                  |              | <u> </u>     |         | 11111                 | ш.         | 1          | <u> </u> |
|      | Yellow-throated            |  | l    | 40   |             |                  |              |              |         |                       |            |            | l        |
| _    | Yellow-throated<br>Warbler |  |      | 19   |             | )<br>(1111111    |              |              |         |                       | 24         |            |          |

| Date  |                  |   |       |               |               | ,                |                 |       |          |   |             |             |      |
|-------|------------------|---|-------|---------------|---------------|------------------|-----------------|-------|----------|---|-------------|-------------|------|
|       | Species          | lan   |       |               | ١.            |                  |                 | ١     |          | i _   |             |             |      |
| 36611 | Species          | Jan   | Feb   | Mar           | Apr           |                  | Jun             | Jul   | Aug      | Sep   | Oct         | Nov         | Dec  |
|       | Pine Warbler     |   | İ     |               |               | 23               |                 |       |          | 27  |             |             |      |
|       | Fine warbler     | <del>                                      </del> | TITLE | ш             | ш             |                  | pmm             | mm    | ipmin    | uuu   | ш           | HHH         | шш   |
|       | Dunisia Marsh I  |   |       | İ             | 9             | 3                |                 | 21    |          |   |             | İ           |      |
|       | Prairie Warbler  |   | -     |               | 1111          |                  |                 | •     | <u> </u> | <u> </u>  |             |             |      |
|       | D-1 341- 11      |   | 14    | 28            | 1             | 12               |                 | 1     | 1        | 13  | 19          | 16          | 26   |
|       | Palm Warbler     |   | 0     | 0             | HIIII         | <u> </u>         |                 |       |          | • •   | •           | •           | • •  |
|       | Bay-breasted     | 1   |       |               | 25            | 24               |                 |       |          | 12  | 1           | 7           | ĺ    |
|       | Warbler          | ļ   |       |               | - 1           | (11111           |                 |       | <u> </u> | HIII  | шш          | <u> (11</u> |      |
|       | Blackpoil        |   |       |               | 14            | 22               |                 |       |          |   |             |             |      |
|       | Warbler          |   |       |               | 111           | 1111             |                 |       |          |   |             |             |      |
|       | Cerulean         | 1 .   |       |               | 3             | ) .              |                 |       | ļ        | 23  |             |             |      |
|       | Warbler          |   |       |               | 111111        | 1111111          | 111111          | ш     | нии      | 111   |             |             |      |
|       | Black-and-white  |   |       | 21            | '             |                  | 24              | 17    |          |   | 11          | 1           | 20   |
|       | Warbler          |   |       |               |               |                  | •               |       | -        |   |             | •           |      |
|       | American         |   |       |               | 10            |                  |                 |       |          |   | 15.         |             |      |
|       | Redstart         |   |       |               |               |                  |                 |       |          |   | ,,,         |             |      |
|       | Prothonotary     |   |       | 31            | 4             |                  |                 |       |          | 26  | 19          |             |      |
|       | Warbler          |   |       | •             |               |                  |                 |       | #        | ####  | •           |             |      |
|       | Worm-eating      |   |       | 27            |               | 23               |                 |       | 11       |   | 25          |             |      |
|       | Warbler          |   |       | %             | <i>//</i>     | HII'S            | unni            | •     | 1111     | <del>1111111</del>                                |             | 1           |      |
|       | Swainson's       |   |       |               | 11            |                  |                 |       | 31       | 24  |             |             |      |
|       | Warbler          |   |       |               | 7777          | mm.              | шш              | ш     | 111111   | •   |             |             |      |
|       |                  |   |       | 31            |               |                  | 4               |       | 17       | 6   | 18          |             |      |
|       | Ovenbird         |   |       | •             | 3             |                  | <del>ii</del> l |       | '•       | <del>                                      </del> |             |             |      |
|       | Northern         |   |       |               | 17            | 21               |                 |       | 29       |   | 6           |             |      |
|       | Waterthrush      |   |       |               | ш             | ++++             |                 |       |          | mm  |             | 1 1         |      |
|       | Louisiana        |   |       | 16            |               |                  |                 |       |          | 13  | <u> </u>    |             |      |
| - 1   | Waterthrush      | ĺĺ  |       |               |               | шщ               | /               | #ann  | mm       |   | 1           | ĺĺ          |      |
|       | Kentucky         |   |       | 25            | 1             |                  |                 | marri | ,,,,,,,, |   | <del></del> |             | -    |
|       | Warbler          |   |       | •             |               |                  |                 |       |          | 30  |             |             |      |
|       | Connecticut      |   |       |               | 23            | 16               | -               |       | *******  | 9   | 15          |             |      |
|       | Warbler          |   |       |               | 23            | • •              |                 |       |          | •   | 10          |             |      |
|       | Mourning         |   |       |               | 15            | 31               |                 |       | 19       | •••   |             | 2           |      |
| ŀ     | Warbler          |   |       |               |               | <del></del>      |                 |       |          | unn   | 27          | •           |      |
|       | Common           |   |       | 27            | ~~            |                  |                 |       |          |   |             | -+          |      |
|       | Yellowthroat     | l   |       | • 🗀           |               |                  |                 |       |          |   | 21          | •••         | 19   |
|       |                  |   |       | 22            |               |                  |                 |       |          |   | 6           | •••         | • •  |
|       | Hooded Warbler   |   |       |               |               |                  |                 |       | Ш        |   | •           |             |      |
|       |                  |   | 1     |               | 22            | 26               |                 | 77773 | 19       | ******  | 111         |             |      |
| ı     | Wilson's Warbler |   |       |               |               | <del>     </del> | - 1             |       | 19       | 111111  |             | <u>+</u>    |      |
|       |                  |   |       |               | 22            | 30               | $\rightarrow$   |       | 11       |   |             |             |      |
|       | Canada Warbler   |   |       |               |               | 30               |                 |       |          | ******  | 28          |             |      |
|       | Yellow-breasted  | 26  |       | $\overline{}$ | _             |                  |                 |       | - "      |   |             |             |      |
|       | <u>.</u> .       | 111111  | - 1   | - 1           | 14            |                  |                 |       | Ш        | 29  | 13          |             | 12   |
|       | Summer           | ann   |       | - +           |               |                  |                 |       |          |   | •           |             | 1111 |
| - 1   | Tanager          |   | 11    |               |               |                  |                 |       |          |   | 17          | _           | 5    |
|       | · anagoi         |   | ann   | anni          | $\overline{}$ |                  |                 |       |          |   | - •         | •           | •    |

| Date |                 |         |         |           |          |   |              | l        |          |         |          |              |        |
|------|-----------------|---------|---------|-----------|----------|---|--------------|----------|----------|---------|----------|--------------|--------|
| Seen | Species         | Jan     | Feb     | Mar       | Apr      | Мау                                       | Jun          | Jul      | Aug      | Sep     | Oct      | Nov          | Dec    |
|      | Western         |         |         |           |          | 6   |              |          | Ť        |         |          |              |        |
|      | Tanager         |         |         |           |          | 0   |              | 1        |          |         |          |              |        |
|      |                 |         |         |           | 9        |   |              |          |          | 6       | 28       |              |        |
|      | Scarlet Tanager |         |         |           |          |   |              |          |          | illilli | • 111    |              |        |
|      | Northern        |         |         |           |          |   |              |          |          |         |          |              |        |
|      | Cardinal        |         |         |           |          |   |              |          |          |         |          |              |        |
|      | Rose-breasted   |         |         |           | 15       | 22  |              |          | 30       |         |          | 2            | 17     |
|      | Grosbeak        |         |         |           | •        |   |              |          |          |         |          | -            | •      |
|      | Black-headed    | 13      |         | 1         |          |   |              |          |          |         | -        |              |        |
|      | Grosbeak        |         | nnn     | \$        |          |   |              |          |          |         |          |              |        |
|      |                 |         |         | 24        | 13       |   |              |          |          | 20      | 12       |              |        |
|      | Blue Grosbeak   |         |         | •         | ш        | ********                                  | шш           | <u> </u> | illilli. | 11111   | • •      |              |        |
|      |                 |         | 22      | 10        | 3        |   |              |          |          |         |          | 2            |        |
|      | Indigo Bunting  |         | •       | •         |          | _   |              |          |          |         |          | _            |        |
|      | •               |         |         |           | 18       |   |              | 18       | 6        |         | 15       |              |        |
|      | Painted Bunting |         |         |           |          | ,<br>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | mm           |          | •        |         | •        |              | l      |
|      |                 | 27      | 16      | 10        | 14       |   |              |          | 29       |         | 5        | 3            |        |
|      | Dickcissel      | 11111.  | •       | ě         |          |   |              |          | 111111   |         | • •      |              | inni   |
|      | Green-tailed    |         |         |           |          |   |              |          |          |         |          |              | 25     |
|      | Towhee          |         |         |           |          |   |              | İ        |          |         |          |              | 00     |
|      |                 |         |         |           |          |   |              |          |          |         |          |              |        |
|      | Eastern Towhee  | _       |         |           |          |   |              |          |          |         |          |              |        |
|      | Bachman's       |         |         |           | 6        |   |              | 26       |          |         |          |              |        |
|      | Sparrow         |         |         |           | •        |   |              | •        |          |         |          |              |        |
|      | American Tree   |         |         | 23        | - "      |   |              |          |          |         |          |              | 17     |
|      | Sparrow         | ann     | mm      |           |          |   |              |          |          |         |          |              | 1      |
|      | Chipping        | 28      |         | 17        |          |   |              |          |          |         |          |              |        |
|      | Sparrow         | •       |         |           |          |   |              |          | )<br>)   |         |          | HILL N       |        |
|      |                 | Ī       |         |           |          |   |              | ,,,,,,   | 1        | ,,,,,,  | 1,1111   |              |        |
|      | Field Sparrow   | 1118118 | 1111111 |           | 1111111  | 1111111                                   | 1111111      |          | mm       | 1111111 | 11111111 |              | 111111 |
|      |                 | 27      |         | 1         | 28       |   |              |          |          |         | 17       |              |        |
|      | Vesper Sparrow  |         |         |           |          |   |              |          |          |         |          | шш           |        |
|      |                 |         |         |           | 12       |   |              |          | 8        |         | 9        |              | 21     |
|      | Lark Sparrow    |         |         |           |          | iiiiiii                                   | mmn.         | mm       | _        |         | ě        |              | Ö      |
|      | Savannah        |         |         |           |          | 21  |              |          |          | 9       |          |              | Ť      |
|      | Sparrow         | 111111  |         |           | ttiitiii | 1   |              |          |          |         |          | 1111111      |        |
|      | Grasshopper     |         |         | 26        |          | •••                                       | _            |          | 17       | 1111    |          | 3            |        |
|      | Sparrow         |         | Į       |           | illilli  |   | luuuu        | uuuu     |          |         | •        | 3            |        |
| _    | Henslow's       | †       |         | 27        | ******   | ,,,,,,,,,,                                |              |          | ****     |         | -        | -            | 20     |
|      | Sparrow         |         |         | 27        |          |   |              |          |          |         |          |              | 26     |
|      | LeConte's       |         |         | -         | -        | _   | <del>-</del> | -        | -        |         |          | <del> </del> | -      |
|      | Sparrow         | TITO    |         | 13        | 1        |   |              |          |          |         | 22       | 8            | ļ      |
|      | Sharp-tailed    | HITT    | ******  | ***       | -        |   | <del></del>  |          |          |         |          | 11111        | 111111 |
|      | Sparrow         | ]       |         |           |          |   |              |          |          | 22      | 25       |              |        |
|      | - parion        |         |         |           |          |   |              | <u> </u> |          | •       | •••      | <u> </u>     |        |
|      | Fox Sparrow     |         |         | ļ         | 27       |   |              |          |          |         | 18       | J            | l      |
|      | I ON OPAITOW    | 1471111 |         | (1111111) | ш        |   |              | L        | L        |         | L ###    | #####        | -      |

| Date    |                           |          |              |              |        |            |              |          |          |          |              |                     |          |
|---------|---------------------------|----------|--------------|--------------|--------|------------|--------------|----------|----------|----------|--------------|---------------------|----------|
|         | Species                   | Jan      | Feb          | Mar          | Apr    | Мау        | Jun          | Jul      | Aug      | Sep      | Oct          | Nov                 | Dec      |
| 36611   | Species                   | Jan      | ren          | IVIAI        | Abi    |            | Juli         | Jui      | Aug      | Sep      |              | INOV                | Dec      |
|         | Cana Caarran              |          |              |              |        | 13         |              |          |          |          | 8            |                     |          |
| <b></b> | Song Sparrow<br>Lincoln's |          |              |              |        | •          | *****        | ******   | ****     |          | )            |                     |          |
|         |                           | 31       | 14           |              | 2      | 28         |              | ĺ        |          | 27       | l            | .1                  | 24       |
|         | Sparrow                   | •        | •            | • •          | шш     | ш_         |              |          |          | •        | • %          | <u>z. •</u>         | ••       |
| 1       |                           |          |              |              |        | 16         |              |          |          |          | 2            | l                   |          |
|         | Swamp Sparrow             | _        |              |              |        | <b>4+1</b> |              |          |          |          | HH.          |                     |          |
|         | White-throated            |          |              |              |        |            | 4            | 2        |          | 27       |              |                     |          |
|         | Sparrow                   |          |              |              |        | ####       | ŧ            | •        |          |          |              |                     |          |
|         | White-crowned             |          |              |              |        | 17         |              |          |          |          | 7            |                     |          |
|         | Sparrow                   | шш       | 1111111      | шш           | 111111 | 111        |              |          |          |          |              | ШШ                  | шш       |
|         |                           |          |              |              | 28     |            |              | ĺ        |          |          | 30           |                     |          |
|         | Harris' Sparrow           | 11111111 | mm           | innn:        | min.   |            |              |          | i        |          | - 8          | dillilli            | anna     |
|         | Junco "Slate              |          |              |              |        | 2 10       |              |          |          | 21       | 1            | [                   | [        |
| 1       | Colored"                  |          |              |              |        | <b>\</b>   |              |          |          | •        | 3            |                     |          |
|         |                           |          |              | 31           |        |            |              |          |          |          | 31           |                     |          |
|         | Junco "Oregon"            | mm       | unni         | min          |        |            | İ            |          |          |          |              | innn                | innn     |
|         | Lapland                   |          |              | 19           |        |            |              |          |          |          | 1            | *****               |          |
|         | Longspur                  | -111111  |              |              | ŀ      |            |              |          |          |          |              | <del>111111</del> 1 | *******  |
|         | Smith's                   | 111111   | ,,,,,,,,     | 27           | 16     |            |              |          |          |          |              | 13                  | ,        |
|         | Longspur                  | umu      | illilli.     |              | •      |            | l            |          |          | 1        |              |                     | iiiiiii  |
| <b></b> | Longopur                  | .111111  | 11           | 11111        |        |            | <del> </del> |          |          |          |              | 27                  | ,,,,,,,  |
| ļ       | Snow Bunting              |          |              |              |        |            |              |          |          |          | l            | <b>ا '</b> ا        |          |
| <b></b> | Criow Burning             |          |              | <del> </del> |        |            |              |          |          | 15       | 1            |                     |          |
|         | Bobolink                  |          |              |              | 17     | 29         |              |          |          | 0        |              |                     |          |
|         | Red-winged                |          | <del> </del> |              | 1111   | 111111     |              |          |          |          | <del> </del> |                     |          |
|         | Blackbird                 |          |              |              |        |            |              |          |          |          |              |                     |          |
| -       | Eastern                   |          |              |              |        |            |              |          |          |          |              |                     |          |
|         |                           |          |              |              |        |            |              |          |          |          |              |                     |          |
|         | Meadowlark<br>Western     |          |              | -            | _      |            |              |          |          |          |              |                     |          |
|         |                           |          |              |              |        |            | 24           |          |          |          | 15           |                     |          |
| ļ       | Meadowlark                | unn      | mm           | nnni         | innn   |            | (// •        |          |          | <u> </u> |              | innn                | innn     |
| 1       | Yellow-headed             |          |              | 3            |        | 10         |              |          |          |          | 24           |                     |          |
|         | Blackbird                 |          |              | 00           | 00     | 0          |              |          |          |          | 0_           | ļ                   |          |
|         |                           |          |              |              | 19     |            | 1            |          |          |          | 22           |                     |          |
|         | Rusty Blackbird           | шш       | шш           | <u> </u>     | ш      | ļ          |              |          |          |          |              | шш                  | шш       |
|         | Brewer's                  | ļ        |              |              | 15     |            |              | 1        |          | 1        | 27           | ł                   |          |
|         | Blackbird                 | шш       | <del>)</del> | эши          | 世      | ]          |              |          | <u> </u> |          | Н            | μш                  | ш        |
|         | Common                    |          |              | 1            |        |            | 1            |          | 1        |          |              |                     |          |
|         | Grackle                   |          | -            |              |        | _          |              |          |          | <b>—</b> | <del>-</del> |                     | <b>.</b> |
|         |                           |          |              |              |        |            |              | 6        |          |          |              |                     |          |
|         | Shiny Cowbird             |          |              |              |        | 1          |              | 00       |          | 1        | 1            |                     |          |
|         | Brown-headed              |          |              | 1            |        |            |              | T ~      |          |          |              |                     |          |
|         | Cowbird                   |          | <u>L</u>     | <u> </u>     |        | <u></u>    | <u> </u>     |          | <u></u>  |          |              |                     |          |
|         | 1                         |          |              |              | 1      |            |              | 26       |          | 26       |              |                     |          |
|         | Orchard Oriole            |          |              |              | 4      |            | L            | 20       |          | -        |              |                     | 1        |
|         | Signala Gridle            | 1        | 0.0          | 1.8          |        |            |              | 7        | -        | 13       | 4            | <b>†</b>            | -        |
|         | Baltimore Oriole          |          | 28           | 18           | 9      |            |              | <u> </u> | L        |          | 4            |                     | 30       |
| Щ_      | Parminore Otiole          | -        | 1000         | 10           |        | -          |              |          | 111      | μп •     | 1.           | L                   |          |

| Date<br>Seen | Species                   | Jan     | Feb     | Mar     | Apr | May                 | Jun     | Jul | Aug  | Sep | Oct | Nov | Dec |
|--------------|---------------------------|---------|---------|---------|-----|---------------------|---------|-----|------|-----|-----|-----|-----|
|              | Purple Finch              | 1111111 |         |         | ,   | 7                   |         | -   | 7.03 | 336 | 12  |     |     |
|              | House Finch               |         |         |         |     |                     |         |     |      |     |     |     |     |
|              | Red Crossbill             |         |         |         |     | <b>30</b>           |         | 20  |      |     |     |     |     |
|              | White-winged<br>Crossbill |         |         |         |     |                     |         |     |      |     |     |     | 26  |
|              | Pine Siskin               | +++++   | ,,,,,,, | ,,,,,,, |     | 22<br><del>HH</del> | 6       |     |      |     | 10  |     |     |
|              | American<br>Goldfinch     | 1111111 |         |         |     |                     | шт      |     |      |     |     | ,   |     |
|              | Evening<br>Grosbeak       |         |         |         |     | 9                   | ,,,,,,, |     |      |     | 17  |     |     |
|              | House Sparrow             |         |         |         |     |                     |         |     |      |     |     |     |     |

## Addendum

| Date |               | Ι.  |     | l   |     |     |     |     |     |     |     |     |     |
|------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Seen | Species       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|      | _             |     |     |     | 16  |     |     |     |     |     |     |     |     |
|      | Garganey      |     |     | L   | 00  |     |     |     |     |     |     | 1   |     |
|      |               | 21  |     |     |     |     |     |     |     |     |     |     |     |
|      | Surf Scoter   | 0   |     |     |     |     |     |     |     |     |     |     |     |
|      |               |     |     |     |     |     |     |     |     |     |     | 12  |     |
|      | Golden Eagle  |     |     |     |     |     |     |     |     |     |     | 0   |     |
|      |               | 1   |     |     |     |     |     |     | 14  |     |     |     | 26  |
|      | Red Phalarope | 1   |     | l   |     |     |     |     | 0   |     |     |     |     |
|      | Western       |     |     |     |     |     |     |     |     |     | _   | 1   |     |
|      | Kingbird      |     |     |     |     |     | 0   | 00  |     | 00  |     | 0   |     |

## New Birds

| Date<br>Seen | Species | Jan | Feb | Mar | Apr | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <u>.</u>     |         |     |     |     |     |     |     |     |     |     |     |     |     |
|              |         |     |     |     |     |     |     |     |     |     |     |     |     |
|              |         |     |     |     |     |     |     |     |     |     |     |     |     |
|              |         |     |     |     |     |     |     |     |     |     |     |     |     |
|              |         |     |     |     |     |     |     |     |     |     |     |     |     |