# Surveys of Breeding Birds Within Bear Swamp, Wicomico and Worchester Counties, Maryland 

B. J. Paxton<br>The Center for Conservation Biology, bjpaxt@wm.edu<br>F M. Smith<br>The Center for Conservation Biology, fmsmit@wm.edu

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2004<br>Interim Report

Barton J. Paxton<br>Fletcher M. Smith<br>Center for Conservation Biology<br>College of William and Mary<br>Williamsburg, VA 23187-8795



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## TABLE OF CONTENTS

Executive Summary ..... iii
BACKGROUND ..... 1
Context ..... 1
Objectives ..... 2
METHODS ..... 2
Study Area ..... 2
Bird Surveys ..... 2
Data Summary and Analysis ..... 4
RESULTS ..... 4
DISCUSSION ..... 6
ACKNOWLEDGMENTS ..... 6
LITERATURE CITED ..... 7
APPENDIX I ..... 8
APPENDIX II ..... 10
APPENDIX III ..... 33

## EXECUTIVE SUMMARY

Birds are essential components of natural ecosystems, effective indicators of environmental health, and the focus of an emerging ecotourism industry that represents a growing portion of the world's economy. An increased concern for the status of many North American bird populations has resulted in an escalation of monitoring and management efforts. Much of this concern has been focused upon the many species of forestdwelling neotropical migrants (species that migrate between forested breeding grounds in the temperate latitudes of North America and wintering grounds in Central and South America and the Caribbean) that have exhibited substantial population declines in recent decades. The mid-Atlantic Coastal Plain plays a significant role in the life cycle of many of the most vulnerable bird species in North America. The diversity of habitats available to birds during the breeding and winter periods, along with the strategic geographic position of the region for migrants, combine to make this one of the most diverse regions in eastern North America.

The Maryland/DC chapter of The Nature Conservancy is in the process of acquiring nearly 3,470 hectares (ha) of land from the E.S. Adkins Timber Company. Tracts of this property are located within or near the Pocomoke Swamp, which is a disjunct fragment of the larger, humid swamp forests of the deep south and represents the northern range limit for some neotropical migrant bird species. Monitoring populations of these species should be a local conservation priority.

A total of 69 survey points, consisting of a combination of fixed-radius and unlimitedradius point count techniques, were used to measure bird density and frequency of occurrence within Bear Swamp, a portion of the land to be acquired. A total of 2,754 detections of 76 bird species were made during the initial survey year. These detections were comprised of 38 neotropical migrant species, 16 temperate migrant species, and 22 nonmigratory (resident) species.

The results of the first of two years of surveys provide an account of the abundance and distribution of bird species that occupy the varied habitat types of Bear Swamp. The majority of species observed during the first year of surveys are typical of those normally found within deciduous forest, pine plantations, and early successional habitats of the midAtlantic region. A complete comparison of densities and diversities between habitat types will be presented in the final report submitted after the second year of the study.

## BACKGROUND

## Context

Birds are essential components of natural ecosystems, effective indicators of environmental health, and the focus of an emerging ecotourism industry that represents a growing portion of the world's economy. During the course of the twentieth century, the living space and infrastructure required by an expanding human population has had a pervasive impact on the natural landscape, resulting in a direct change in the availability and distribution of the habitats required by many bird species. Restoring and maintaining healthy bird populations within these altered landscapes represents one of the most complex conservation challenges for the twenty-first century.

An increased concern for the status of many North American bird populations has resulted in an escalation of monitoring and management efforts. Much of this concern has been focused upon the many species of forest-dwelling neotropical migrants (species that migrate between forested breeding grounds in the temperate latitudes of North America and wintering grounds in Central and South America and the Caribbean) that have exhibited substantial population declines in recent decades. There is increasing evidence that habitat loss and fragmentation are two of the leading causes for the observed population declines (Faaborg et al. 1995, Robinson et al. 1995).

The mid-Atlantic Coastal Plain plays a significant role in the life cycle of many of the most vulnerable bird species in North America. The diversity of habitats available to birds during the breeding and winter periods, along with the strategic geographic position of the region for migrants, combine to make this one of the most diverse regions in eastern North America. The region was the site of the first successful European settlement in North America and has been altered by European culture for nearly four centuries. Currently, the urban crescent that runs from Baltimore, south to Richmond, and east to Norfolk is one of the fastest growing regions in North America. Growth is projected to continue for the foreseeable future, placing increasing demands on the region's natural resources. The landscape along the Delmarva Peninsula continues to be rural in character. However, immigration of residents from more urban areas will place increasing pressures on this landscape in the future (Watts 1999).

Vegetation within the mid-Atlantic Coastal Plain is most closely associated with that of the southeastern Coastal Plain. More than 100 plant species that are centered in the southeast reach their northern range limit in coastal New Jersey. Many more species reach their limit farther south within the region. Upland forests remain an important component of the regional landscape. Forests form a natural gradient in composition from pine-dominated forests on the outer Coastal Plain to hardwood-dominated forests on the inner Coastal Plain.

The Maryland/DC chapter of The Nature Conservancy is in the process of acquiring nearly 3,470 hectares (ha) of land from the E.S. Adkins Timber Company. Tracts of this property are located within or near the Pocomoke Swamp, which is a disjunct fragment of the larger, humid swamp forests of the deep south and represents the northern range limit for some neotropical migrant bird species. Monitoring populations of these species should be a local conservation priority.

## Objectives

The overall objective of this project is to evaluate the breeding bird community within the Bear Swamp Unit of the Adkins Tract. The focal area is a mosaic of forest blocks within the Pocomoke drainage. Information provided through this project will provide resource staff with information important for making management decisions and establish a benchmark for future comparisons.

## METHODS

## Study Area

This study was conducted entirely within the Bear Swamp portion of the Adkins Tract, located within Wicomico and Worchester Counties on the coastal plain of Maryland (Figure 1). The Bear Swamp portion of the Adkins Tract consists primarily of a matrix of mature forested wetland and pine plantation and is associated with Nassawango Creek and the Pocomoke River. The composition of the forested wetland habitat is primarily Red Maple (Acer rubrum), Mockernut Hickory (Carya tomentosa), Black Gum (Nyssa sy/vatica), and Bald Cypress (Taxodium distichum) with a well developed understory of Red Maple (A. rubrum), American Holly (llex opaca), and Sweet Bay (Magnolia virginiana). The composition of the pine plantation habitat is primarily densely stocked Loblolly Pine (Pinus taeda) in stands of generally uniformily aged trees. Ages of pine stands ranged from recently cut to more than 30 years old.

## Bird Surveys

A combination of fixed-radius and unlimited-radius point count techniques were used to measure bird density and frequency of occurrence. A survey plot (point count) consisted of a $50-\mathrm{m}$ radius circle (used to determine density) flagged at its center. Surveys were conducted along roadways, trails, and within forest patches. Points situated along roads and trails had the plot centers positioned at the road or trail edge.

Initially, 63 points were established within the Bear Swamp study area. After completion of surveys on round 1 , it became evident that survey time constraints would allow an additional 6 points, resulting in a total of 69 points. Points were established along


Figure 1. Map of study area within Bear Swamp of the Adkins Tract. Study points indicated by yellow dots.
the gradient of habitat types available, with a minimum of 250 m between each point (see Appendix I for list of points, coordinates, and associated habitat types). While an effort was made to associate each $50-\mathrm{m}$ fixed-radius point count to a single habitat type, space and habitat limitations resulted in some points occurring along the edge of 2 habitat types.

Bird surveys were conducted by a single observer standing at the point center and counting all birds seen or heard within a 5 -minute period. Birds detected were stratified according to time period and location. The count period was subdivided into an initial 3min period and a subsequent $2-\mathrm{min}$ period. Birds were recorded as either within or beyond the $50-\mathrm{m}$ radius. Each point was surveyed 3 times between 10 June 2004 and 8 July 2004, with a minimum of 7 days between survey rounds. The order in which points were surveyed was changed each round to reduce the impact of time-of-day effects. All surveys were conducted between 0.5 and 4.5 hrs after sunrise on days with no precipitation and wind speeds of less than $24 \mathrm{~km} / \mathrm{h}(15 \mathrm{mph})$.

## Data Summary and Analysis

Bird survey data were summarized to determine overall bird abundance and species richness for individual habitat types as well as the entire study area. Bird densities were calculated from the number of birds detected within the $50-\mathrm{m}$ radius point count. For each bird species, the survey visit with the greatest number of individuals detected was used for analysis. Species richness values were calculated using the accumulated number of species detected within or beyond the $50-\mathrm{m}$ radius point count.

## RESULTS

A total of 2,754 detections of 76 bird species were made during the 2004 surveys. These were comprised of 38 neotropical migrant species, 16 temperate migrant species, and 22 non-migratory (resident) species (see Appendix Il for summary of detections by point and survey round and Appendix III for list of birds detected with migration status). Common Yellowthoat, Ovenbird, Eastern Towhee, Prairie Warbler, Pine Warbler, Whiteeyed Vireo, and Yellow-breasted Chat were the most commonly detected species, accounting for nearly $40 \%$ of all detections.

The overall number of species detected within each habitat type (only points associated with a single habitat type were included in analysis) ranged from 26 , within the mature pine habitat, to 60, within the young pine habitat (Figure 2). Bird densities, for points associated with a single habitat type, were highest within the clearcut habitat ( 7.80 birds/ha +6.59 SD ) and lowest within the mature pine habitat ( 5.56 birds/ha +2.75 SD) (Figure 3). Differences in densities among the different habitat types were not significant (one-way ANOVA $p>0.05$ ).


Figure2. Species richnessvalues forhabitatypeswithinBearSwamp. Values are basedon the accumulated number of species detected atpoints associated with a singlehabitattype over three survey visits.


Figure3. Bird density valuesforhabitat typeswithinBear Swamp. Values arebased on the mean densities for all birds detected with the 50-m radius plots of points associated with asingle habitattypeoverthreesurveyvisits.

## DISCUSSION

The results of the first of two years of surveys provide an account of the abundance and distribution of bird species that occupy the varied habitat types of Bear Swamp. The majority of species observed during the first year of surveys are typical of those normally found within deciduous forest, pine plantations, and early successional habitats of the midAtlantic region.

While the density and diversity of birds within the early successional habitats were higher than those found in the mature forest, the forested wetland and mature pine habitats provide critical nesting habitat for numerous species. Many of the species that rely on this mature habitat for breeding have been found to nest at low densities within the Coastal Plain of Maryland (Robbins and Blom 1996). The higher diversity and density of birds within the early successional habitats can be attributed to the fact than many species of neotropical migrants will utilize the early successional habitat along with the temperate migrant and resident species that are tolerant of disturbed habitat (Johnson and Landers 1982). A more complete comparison of densities and diversities between habitat types will be presented in the final report submitted after the second year of the study.

## ACKNOWLEDGMENTS

This project would not have been possible without the efforts of many people. Deborah Landau provided the opportunity to conduct the study and administrative support. Bill Turner was helpful in providing access to study sites. Lydia Whitaker, Carlton Adams, Renee Peace, Anne Womack, Gloria Sciole, Mark Roberts, and Cheryl Pope provided important administrative support from the College of William and Mary. This study was funded through a cooperative agreement between the Maryland/DC Chapter of The Nature Conservancy and the Center for Conservation Biology at the College of William and Mary.

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Appendix I. Bird point count coordinates and habitat association.

| Point Number | Latitude | Longitude | Habitat |
| :---: | :---: | :---: | :---: |
| 1 | 38.28155709 | -75.41428199 | Young Pine |
| 2 | 38.28377034 | -75.41573298 | Young Pine |
| 3 | 38.28612733 | -75.41664066 | Mixed Pine/Deciduous |
| 4 | 38.28836345 | -75.41745027 | Young Pine |
| 5 | 38.29547592 | -75.42546697 | Young Pine, Mixed Pine/Deciduous |
| 6 | 38.29387606 | -75.42338591 | Young Pine, Mixed Pine/Deciduous |
| 7 | 38.29215584 | -75.42143770 | Clearcut, Mixed Pine/Deciduous |
| 8 | 38.29041325 | -75.41947098 | Mature Pine |
| 9 | 38.29146383 | -75.41683671 | Mature Pine |
| 10 | 38.29494442 | -75.41342578 | Mature Pine |
| 11 | 38.29016648 | -75.41247192 | Mature Pine |
| 12 | 38.27276414 | -75.42920530 | Mature Pine, Clearcut |
| 13 | 38.27121751 | -75.42698166 | Young Pine, Clearcut |
| 14 | 38.27106857 | -75.42099170 | Young Pine |
| 15 | 38.27265769 | -75.41872524 | Young Pine |
| 16 | 38.27318676 | -75.41609743 | Young Pine |
| 17 | 38.27339522 | -75.41331061 | Young Pine |
| 18 | 38.27508300 | -75.41097072 | Young Pine |
| 19 | 38.27728140 | -75.41017964 | Young Pine, Mature Pine |
| 20 | 38.27945299 | -75.41179340 | Young Pine |
| 21 | 38.28376531 | -75.43349507 | Clearcut, Mixed Pine/Deciduous |
| 22 | 38.28511261 | -75.43099584 | Clearcut, Mixed Pine/Deciduous |
| 23 | 38.28692193 | -75.42680481 | Young Pine, Mixed Pine/Deciduous |
| 26 | 38.28139214 | -75.42992564 | Moist Deciduous |
| 27 | 38.28143111 | -75.43280323 | Moist Deciduous |
| 28 | 38.27903238 | -75.43232580 | Moist Deciduous |
| 29 | 38.27684722 | -75.43322610 | Young Pine, Moist Deciduous |
| 30 | 38.27467974 | -75.43131930 | Young Pine, Mixed Pine/Deciduous |
| 31 | 38.28385307 | -75.43970975 | Clearcut |
| 32 | 38.28222463 | -75.44560835 | Young Pine |
| 33 | 38.28300280 | -75.44278876 | Young Pine |
| 34 | 38.28181149 | -75.44034476 | Young Pine |
| 35 | 38.27708920 | -75.44172476 | Clearcut |
| 36 | 38.27909885 | -75.43961579 | Clearcut |
| 37 | 38.28089107 | -75.43761251 | Young Pine, Clearcut |

Appendix I (continued). Bird point count coordinates and habitat association.

| Point Number | Latitude | Longitude | Habitat |
| :---: | :---: | :---: | :---: |
| 38 | 38.28642732 | -75.43873971 | Clearcut |
| 39 | 38.28488152 | -75.43627845 | Clearcut |
| 40 | 38.28260676 | -75.43584812 | Young Pine, Clearcut |
| 41 | 38.29323367 | -75.43727028 | Young Pine, Clearcut |
| 42 | 38.29390624 | -75.44008258 | Young Pine |
| 43 | 38.29454376 | -75.44297383 | Young Pine |
| 44 | 38.29436850 | -75.44587456 | Mixed Pine/Deciduous |
| 45 | 38.29275238 | -75.44791111 | Young Pine, Clearcut |
| 46 | 38.29036170 | -75.44802317 | Young Pine, Mixed Pine/Deciduous |
| 47 | 38.28910827 | -75.44540928 | Moist Deciduous, Clearcut |
| 48 | 38.28695068 | -75.44391009 | Clearcut |
| 49 | 38.28524144 | -75.44201779 | Clearcut |
| 50 | 38.28806581 | -75.44870412 | Young Pine, Mixed Pine/Deciduous |
| 51 | 38.28575400 | -75.44995076 | Young Pine, Mixed Pine/Deciduous |
| 52 | 38.28406060 | -75.45190643 | Young Pine, Mixed Pine/Deciduous |
| 53 | 38.28168592 | -75.45175052 | Young Pine, Moist Deciduous |
| 54 | 38.27937352 | -75.45178019 | Young Pine, Mixed Pine/Deciduous |
| 55 | 38.27738341 | -75.45328743 | Moist Deciduous |
| 57 | 38.29132268 | -75.43194719 | Young Pine, Clearcut |
| 58 | 38.29266320 | -75.43440853 | Young Pine, Clearcut |
| 59 | 38.27880934 | -75.43545744 | Young Pine, Mixed Pine/Deciduous |
| 60 | 38.29402819 | -75.41588612 | Mature Pine |
| 61 | 38.29200271 | -75.41420043 | Mature Pine |
| 62 | 38.28806430 | -75.41108781 | Mixed Pine/Deciduous |
| 63 | 38.29470629 | -75.42816284 | Young Pine |
| 64 | 38.29295338 | -75.42999169 | Young Pine |
| 65 | 38.27054822 | -75.42410390 | Young Pine |
| 66 | 38.28808031 | -75.43121461 | Clearcut |
| 80 | 38.28588610 | -75.42009224 | Mixed Pine/Deciduous |
| 81 | 38.27776319 | -75.40639646 | Young Pine |
| 95 | 38.28115133 | -75.44877914 | Moist Deciduous |
| 97 | 38.29258483 | -75.44414042 | Moist Deciduous |
| 98 | 38.29006724 | -75.44278038 | Moist Deciduous |
| 99 | 38.28808601 | -75.44069219 | Moist Deciduous |

Appendix II. Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ACFL | 1 | 2 | 0 | 0 | 2 |
| ACFL | 2 | 2 | 0 | 0 | 2 |
| ACFL | 3 | 1 | 0 | 0 | 1 |
| ACFL | 4 | 0 | 1 | 1 | 2 |
| ACFL | 7 | 1 | 2 | 2 | 5 |
| ACFL | 8 | 1 | 0 | 0 | 1 |
| ACFL | 9 | 2 | 1 | 2 | 5 |
| ACFL | 20 | 2 | 0 | 0 | 2 |
| ACFL | 22 | 1 | 0 | 0 | 1 |
| ACFL | 26 | 1 | 1 | 1 | 3 |
| ACFL | 27 | 3 | 1 | 2 | 6 |
| ACFL | 40 | 2 | 1 | 0 | 3 |
| ACFL | 42 | 0 | 0 | 1 | 1 |
| ACFL | 44 | 0 | 2 | 0 | 2 |
| ACFL | 46 | 1 | 1 | 1 | 3 |
| ACFL | 50 | 1 | 1 | 0 | 2 |
| ACFL | 51 | 1 | 1 | 0 | 2 |
| ACFL | 52 | 2 | 0 | 2 | 4 |
| ACFL | 53 | 0 | 0 | 2 | 2 |
| ACFL | 54 | 1 | 0 | 0 | 1 |
| ACFL | 55 | 1 | 1 | 0 | 2 |
| ACFL | 61 | 1 | 2 | 2 | 5 |
| ACFL | 62 | 0 | 0 | 1 | 1 |
| ACFL | 81 | 1 | 0 | 0 | 1 |
| ACFL | 95 | 0 | 1 | 2 | 3 |
| ACFL | 98 | 1 | 1 | 1 | 3 |
| ACFL | 99 | 2 | 0 | 1 | 3 |
| Total |  | 30 | 17 | 21 | 68 |
| EATO | 1 | 2 | 1 | 2 | 5 |
| EATO | 2 | 1 | 0 | 0 | 1 |
| EATO | 6 | 1 | 2 | 1 | 4 |
| EATO | 7 | 2 | 0 | 1 | 3 |
| EATO | 12 | 2 | 1 | 0 | 3 |
| EATO | 13 | 2 | 0 | 2 | 4 |
| EATO | 14 | 2 | 3 | 4 | 9 |
| EATO | 15 | 1 | 3 | 2 | 6 |
| EATO | 16 | 3 | 2 | 1 | 6 |
| EATO | 17 | 3 | 4 | 3 | 10 |
| EATO | 18 | 2 | 1 | 1 | 4 |
| EATO | 19 | 2 | 1 | 1 | 4 |
| EATO | 20 | 2 | 2 | 3 | 7 |
| EATO | 21 | 0 | 1 | 1 | 2 |
| EATO | 22 | 1 | 0 | 2 | 3 |
| EATO | 23 | 2 | 1 | 1 | 4 |
| EATO | 27 | 0 | 0 | 1 | 1 |
| EATO | 29 | 0 | 2 | 1 | 3 |
| EATO | 30 | 0 | 1 | 1 | 2 |
| EATO | 31 | 0 | 2 | 3 | 5 |
| EATO | 34 | 0 | 1 | 1 | 2 |
| EATO | 35 | 1 | 0 | 0 | 1 |
| EATO | 36 | 0 | 1 | 2 | 3 |
| EATO | 37 | 2 | 1 | 1 | 4 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EATO | 38 | 0 | 1 | 0 | 1 |
| EATO | 39 | 2 | 0 | 0 | 2 |
| EATO | 40 | 1 | 1 | 1 | 3 |
| EATO | 41 | 0 | 1 | 0 | 1 |
| EATO | 46 | 1 | 0 | 0 | 1 |
| EATO | 47 | 1 | 1 | 0 | 2 |
| EATO | 48 | 1 | 1 | 3 | 5 |
| EATO | 49 | 3 | 1 | 5 | 9 |
| EATO | 50 | 2 | 0 | 3 | 5 |
| EATO | 51 | 0 | 4 | 0 | 4 |
| EATO | 52 | 1 | 0 | 2 | 3 |
| EATO | 53 | 1 | 0 | 0 | 1 |
| EATO | 54 | 0 | 0 | 1 | 1 |
| EATO | 57 | 3 | 1 | 1 | 5 |
| EATO | 58 | 1 | 1 | 0 | 2 |
| EATO | 59 | 1 | 0 | 0 | 1 |
| EATO | 63 | 2 | 2 | 1 | 5 |
| EATO | 64 | 2 | 0 | 1 | 3 |
| EATO | 65 | 3 | 4 | 3 | 10 |
| EATO | 66 | 2 | 0 | 0 | 2 |
| EATO | 81 | 0 | 1 | 0 | 1 |
| EATO | 97 | 0 | 3 | 0 | 3 |
| EATO | 99 | 1 | 0 | 0 | 1 |
| Total |  | 59 | 52 | 56 | 167 |
| BHCO | 1 | 1 | 0 | 0 | 1 |
| BHCO | 8 | 2 | 1 | 0 | 3 |
| BHCO | 9 | 2 | 0 | 0 | 2 |
| BHCO | 12 | 2 | 2 | 0 | 4 |
| BHCO | 14 | 1 | 0 | 0 | 1 |
| BHCO | 15 | 0 | 2 | 0 | 2 |
| BHCO | 16 | 0 | 3 | 0 | 3 |
| BHCO | 17 | 0 | 4 | 0 | 4 |
| BHCO | 18 | 1 | 3 | 0 | 4 |
| BHCO | 19 | 1 | 0 | 0 | 1 |
| BHCO | 20 | 2 | 0 | 0 | 2 |
| BHCO | 23 | 0 | 3 | 2 | 5 |
| BHCO | 26 | 0 | 1 | 0 | 1 |
| BHCO | 34 | 0 | 2 | 1 | 3 |
| BHCO | 36 | 0 | 2 | 0 | 2 |
| BHCO | 41 | 1 | 0 | 0 | 1 |
| BHCO | 42 | 0 | 0 | 1 | 1 |
| BHCO | 43 | 2 | 0 | 0 | 2 |
| BHCO | 45 | 0 | 3 | 0 | 3 |
| BHCO | 50 | 3 | 0 | 0 | 3 |
| BHCO | 51 | 1 | 6 | 2 | 9 |
| BHCO | 52 | 1 | 2 | 3 | 6 |
| BHCO | 53 | 1 | 1 | 2 | 4 |
| BHCO | 54 | 3 | 0 | 3 | 6 |
| BHCO | 58 | 0 | 0 | 1 | 1 |
| BHCO | 59 | 1 | 0 | 0 | 1 |
| BHCO | 63 | 1 | 0 | 0 | 1 |
| BHCO | 80 | 0 | 1 | 3 | 4 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  | 26 | 36 | 18 | 80 |
| OVEN | 1 | 2 | 0 | 0 | 2 |
| OVEN | 2 | 2 | 1 | 1 | 4 |
| OVEN | 3 | 2 | 1 | 1 | 4 |
| OVEN | 4 | 0 | 1 | 1 | 2 |
| OVEN | 5 | 2 | 2 | 0 | 4 |
| OVEN | 6 | 2 | 0 | 0 | 2 |
| OVEN | 7 | 1 | 0 | 0 | 1 |
| OVEN | 8 | 2 | 1 | 2 | 5 |
| OVEN | 9 | 1 | 3 | 2 | 6 |
| OVEN | 10 | 0 | 2 | 1 | 3 |
| OVEN | 11 | 0 | 3 | 2 | 5 |
| OVEN | 12 | 1 | 0 | 0 | 1 |
| OVEN | 13 | 1 | 0 | 0 | 1 |
| OVEN | 14 | 1 | 0 | 0 | 1 |
| OVEN | 19 | 2 | 1 | 0 | 3 |
| OVEN | 20 | 1 | 1 | 1 | 3 |
| OVEN | 21 | 1 | 2 | 0 | 3 |
| OVEN | 22 | 1 | 0 | 0 | 1 |
| OVEN | 23 | 1 | 1 | 0 | 2 |
| OVEN | 26 | 1 | 3 | 1 | 5 |
| OVEN | 27 | 2 | 1 | 3 | 6 |
| OVEN | 28 | 2 | 1 | 2 | 5 |
| OVEN | 29 | 1 | 1 | 0 | 2 |
| OVEN | 30 | 2 | 0 | 0 | 2 |
| OVEN | 32 | 0 | 1 | 0 | 1 |
| OVEN | 33 | 1 | 1 | 1 | 3 |
| OVEN | 34 | 1 | 0 | 0 | 1 |
| OVEN | 36 | 1 | 0 | 0 | 1 |
| OVEN | 37 | 1 | 0 | 0 | 1 |
| OVEN | 39 | 0 | 1 | 1 | 2 |
| OVEN | 40 | 1 | 1 | 2 | 4 |
| OVEN | 41 | 1 | 1 | 1 | 3 |
| OVEN | 42 | 2 | 3 | 0 | 5 |
| OVEN | 43 | 2 | 2 | 1 | 5 |
| OVEN | 44 | 1 | 2 | 0 | 3 |
| OVEN | 45 | 1 | 0 | 0 | 1 |
| OVEN | 47 | 1 | 1 | 2 | 4 |
| OVEN | 48 | 2 | 0 | 1 | 3 |
| OVEN | 50 | 0 | 1 | 1 | 2 |
| OVEN | 51 | 0 | 1 | 2 | 3 |
| OVEN | 52 | 2 | 0 | 0 | 2 |
| OVEN | 53 | 2 | 1 | 0 | 3 |
| OVEN | 54 | 1 | 1 | 1 | 3 |
| OVEN | 55 | 2 | 2 | 2 | 6 |
| OVEN | 59 | 1 | 0 | 0 | 1 |
| OVEN | 60 | 0 | 1 | 2 | 3 |
| OVEN | 61 | 1 | 2 | 0 | 3 |
| OVEN | 62 | 0 | 1 | 1 | 2 |
| OVEN | 63 | 2 | 0 | 0 | 2 |
| OVEN | 65 | 2 | 0 | 0 | 2 |
| OVEN | 80 | 2 | 2 | 1 | 5 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OVEN | 81 | 3 | 1 | 1 | 5 |
| OVEN | 95 | 0 | 2 | 1 | 3 |
| OVEN | 97 | 0 | 3 | 2 | 5 |
| OVEN | 98 | 2 | 2 | 2 | 6 |
| OVEN | 99 | 0 | 1 | 1 | 2 |
| Total |  | 66 | 59 | 43 | 168 |
| EAWP | 1 | 1 | 0 | 0 | 1 |
| EAWP | 3 | 1 | 0 | 0 | 1 |
| EAWP | 4 | 1 | 0 | 0 | 1 |
| EAWP | 8 | 1 | 0 | 0 | 1 |
| EAWP | 15 | 0 | 0 | 1 | 1 |
| EAWP | 19 | 0 | 1 | 0 | 1 |
| EAWP | 23 | 1 | 0 | 0 | 1 |
| EAWP | 26 | 0 | 1 | 0 | 1 |
| EAWP | 27 | 1 | 0 | 1 | 2 |
| EAWP | 30 | 1 | 0 | 0 | 1 |
| EAWP | 34 | 2 | 0 | 0 | 2 |
| EAWP | 45 | 1 | 1 | 0 | 2 |
| EAWP | 46 | 0 | 1 | 0 | 1 |
| EAWP | 47 | 1 | 0 | 1 | 2 |
| EAWP | 48 | 1 | 0 | 1 | 2 |
| EAWP | 49 | 0 | 1 | 0 | 1 |
| EAWP | 51 | 1 | 0 | 0 | 1 |
| EAWP | 52 | 1 | 2 | 0 | 3 |
| EAWP | 53 | 0 | 2 | 1 | 3 |
| EAWP | 54 | 1 | 0 | 1 | 2 |
| EAWP | 58 | 0 | 0 | 1 | 1 |
| EAWP | 63 | 0 | 0 | 1 | 1 |
| EAWP | 66 | 0 | 0 | 1 | 1 |
| EAWP | 99 | 1 | 0 | 0 | 1 |
| Total |  | 16 | 9 | 9 | 34 |
| COYE | 1 | 1 | 0 | 0 | 1 |
| COYE | 2 | 0 | 3 | 4 | 7 |
| COYE | 4 | 1 | 1 | 1 | 3 |
| COYE | 5 | 3 | 2 | 1 | 6 |
| COYE | 7 | 1 | 1 | 1 | 3 |
| COYE | 8 | 2 | 0 | 0 | 2 |
| COYE | 12 | 2 | 2 | 2 | 6 |
| COYE | 13 | 1 | 1 | 2 | 4 |
| COYE | 14 | 1 | 1 | 1 | 3 |
| COYE | 15 | 2 | 2 | 4 | 8 |
| COYE | 16 | 1 | 2 | 2 | 5 |
| COYE | 17 | 1 | 3 | 1 | 5 |
| COYE | 18 | 1 | 0 | 0 | 1 |
| COYE | 19 | 0 | 1 | 1 | 2 |
| COYE | 20 | 2 | 0 | 0 | 2 |
| COYE | 21 | 0 | 0 | 1 | 1 |
| COYE | 22 | 0 | 3 | 2 | 5 |
| COYE | 23 | 2 | 2 | 0 | 4 |
| COYE | 29 | 2 | 4 | 1 | 7 |
| COYE | 30 | 1 | 0 | 3 | 4 |
| COYE | 31 | 3 | 2 | 3 | 8 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| COYE | 32 | 0 | 1 | 0 | 1 |
| COYE | 33 | 2 | 2 | 0 | 4 |
| COYE | 34 | 1 | 2 | 2 | 5 |
| COYE | 35 | 2 | 3 | 3 | 8 |
| COYE | 36 | 1 | 0 | 1 | 2 |
| COYE | 37 | 0 | 2 | 2 | 4 |
| COYE | 38 | 4 | 2 | 2 | 8 |
| COYE | 39 | 1 | 2 | 2 | 5 |
| COYE | 40 | 2 | 0 | 2 | 4 |
| COYE | 41 | 1 | 0 | 2 | 3 |
| COYE | 42 | 0 | 3 | 2 | 5 |
| COYE | 44 | 0 | 3 | 2 | 5 |
| COYE | 45 | 1 | 1 | 2 | 4 |
| COYE | 46 | 0 | 2 | 2 | 4 |
| COYE | 47 | 2 | 1 | 2 | 5 |
| COYE | 48 | 4 | 3 | 3 | 10 |
| COYE | 49 | 0 | 1 | 3 | 4 |
| COYE | 50 | 1 | 1 | 0 | 2 |
| COYE | 51 | 1 | 0 | 0 | 1 |
| COYE | 53 | 1 | 0 | 0 | 1 |
| COYE | 54 | 1 | 0 | 0 | 1 |
| COYE | 57 | 1 | 2 | 2 | 5 |
| COYE | 58 | 2 | 3 | 3 | 8 |
| COYE | 59 | 1 | 3 | 2 | 6 |
| COYE | 63 | 2 | 3 | 2 | 7 |
| COYE | 64 | 4 | 2 | 3 | 9 |
| COYE | 65 | 2 | 2 | 0 | 4 |
| COYE | 66 | 1 | 1 | 2 | 4 |
| COYE | 80 | 3 | 1 | 2 | 6 |
| COYE | 81 | 2 | 1 | 2 | 5 |
| COYE | 99 | 0 | 1 | 0 | 1 |
| Total |  | 70 | 78 | 80 | 228 |
| WEVI | 1 | 1 | 2 | 2 | 5 |
| WEVI | 2 | 1 | 0 | 0 | 1 |
| WEVI | 4 | 2 | 1 | 1 | 4 |
| WEVI | 5 | 1 | 0 | 0 | 1 |
| WEVI | 6 | 1 | 1 | 0 | 2 |
| WEVI | 7 | 0 | 1 | 2 | 3 |
| WEVI | 11 | 0 | 1 | 2 | 3 |
| WEVI | 12 | 1 | 0 | 0 | 1 |
| WEVI | 14 | 2 | 1 | 0 | 3 |
| WEVI | 15 | 1 | 1 | 1 | 3 |
| WEVI | 16 | 0 | 2 | 1 | 3 |
| WEVI | 17 | 1 | 0 | 0 | 1 |
| WEVI | 18 | 1 | 1 | 1 | 3 |
| WEVI | 21 | 1 | 1 | 1 | 3 |
| WEVI | 22 | 1 | 2 | 1 | 4 |
| WEVI | 23 | 1 | 0 | 0 | 1 |
| WEVI | 30 | 2 | 2 | 0 | 4 |
| WEVI | 31 | 1 | 0 | 1 | 2 |
| WEVI | 32 | 1 | 2 | 3 | 6 |
| WEVI | 33 | 0 | 2 | 2 | 4 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| WEVI | 34 | 1 | 0 | 0 | 1 |
| WEVI | 36 | 1 | 0 | 1 | 2 |
| WEVI | 37 | 0 | 1 | 2 | 3 |
| WEVI | 38 | 2 | 0 | 0 | 2 |
| WEVI | 39 | 1 | 1 | 1 | 3 |
| WEVI | 40 | 2 | 1 | 0 | 3 |
| WEVI | 41 | 1 | 2 | 2 | 5 |
| WEVI | 42 | 1 | 1 | 1 | 3 |
| WEVI | 43 | 1 | 1 | 1 | 3 |
| WEVI | 44 | 1 | 0 | 0 | 1 |
| WEVI | 45 | 0 | 1 | 2 | 3 |
| WEVI | 47 | 0 | 2 | 1 | 3 |
| WEVI | 48 | 0 | 0 | 1 | 1 |
| WEVI | 49 | 1 | 2 | 0 | 3 |
| WEVI | 50 | 2 | 1 | 1 | 4 |
| WEVI | 51 | 2 | 0 | 2 | 4 |
| WEVI | 52 | 0 | 0 | 2 | 2 |
| WEVI | 53 | 0 | 1 | 0 | 1 |
| WEVI | 54 | 0 | 1 | 0 | 1 |
| WEVI | 55 | 0 | 0 | 1 | 1 |
| WEVI | 58 | 1 | 1 | 0 | 2 |
| WEVI | 59 | 0 | 1 | 0 | 1 |
| WEVI | 63 | 1 | 1 | 1 | 3 |
| WEVI | 64 | 2 | 0 | 0 | 2 |
| WEVI | 65 | 1 | 1 | 1 | 3 |
| WEVI | 66 | 2 | 0 | 1 | 3 |
| WEVI | 97 | 0 | 3 | 4 | 7 |
| WEVI | 98 | 1 | 1 | 2 | 4 |
| WEVI | 99 | 0 | 1 | 1 | 2 |
| Total |  | 43 | 44 | 46 | 133 |
| HOWA | 1 | 1 | 0 | 0 | 1 |
| HOWA | 11 | 0 | 1 | 1 | 2 |
| HOWA | 43 | 1 | 0 | 0 | 1 |
| HOWA | 99 | 0 | 0 | 1 | 1 |
| Total |  | 2 | 1 | 2 | 5 |
| TUTI | 1 | 2 | 0 | 0 | 2 |
| TUTI | 2 | 2 | 0 | 0 | 2 |
| TUTI | 3 | 1 | 0 | 0 | 1 |
| TUTI | 4 | 3 | 0 | 0 | 3 |
| TUTI | 5 | 0 | 2 | 0 | 2 |
| TUTI | 7 | 1 | 2 | 1 | 4 |
| TUTI | 8 | 0 | 2 | 1 | 3 |
| TUTI | 10 | 0 | 1 | 3 | 4 |
| TUTI | 11 | 0 | 1 | 0 | 1 |
| TUTI | 12 | 1 | 1 | 0 | 2 |
| TUTI | 14 | 1 | 0 | 0 | 1 |
| TUTI | 20 | 1 | 0 | 0 | 1 |
| TUTI | 22 | 0 | 2 | 0 | 2 |
| TUTI | 27 | 0 | 0 | 3 | 3 |
| TUTI | 28 | 0 | 1 | 0 | 1 |
| TUTI | 29 | 2 | 0 | 0 | 2 |
| TUTI | 30 | 0 | 1 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TUTI | 32 | 0 | 3 | 0 | 3 |
| TUTI | 40 | 2 | 2 | 1 | 5 |
| TUTI | 41 | 0 | 1 | 2 | 3 |
| TUTI | 42 | 1 | 0 | 0 | 1 |
| TUTI | 44 | 2 | 0 | 0 | 2 |
| TUTI | 47 | 1 | 0 | 1 | 2 |
| TUTI | 48 | 2 | 0 | 0 | 2 |
| TUTI | 50 | 0 | 1 | 0 | 1 |
| TUTI | 51 | 1 | 0 | 0 | 1 |
| TUTI | 53 | 0 | 1 | 0 | 1 |
| TUTI | 54 | 0 | 0 | 2 | 2 |
| TUTI | 55 | 0 | 2 | 0 | 2 |
| TUTI | 60 | 0 | 3 | 1 | 4 |
| TUTI | 61 | 0 | 1 | 1 | 2 |
| TUTI | 62 | 0 | 1 | 0 | 1 |
| TUTI | 66 | 1 | 0 | 0 | 1 |
| TUTI | 95 | 0 | 3 | 1 | 4 |
| TUTI | 97 | 0 | 2 | 0 | 2 |
| TUTI | 98 | 1 | 0 | 2 | 3 |
| TUTI | 99 | 0 | 0 | 1 | 1 |
| Total |  | 25 | 33 | 20 | 78 |
| PIWA | 1 | 1 | 3 | 2 | 6 |
| PIWA | 2 | 3 | 1 | 1 | 5 |
| PIWA | 3 | 2 | 3 | 1 | 6 |
| PIWA | 4 | 1 | 0 | 0 | 1 |
| PIWA | 5 | 1 | 2 | 0 | 3 |
| PIWA | 7 | 0 | 1 | 1 | 2 |
| PIWA | 9 | 1 | 0 | 1 | 2 |
| PIWA | 13 | 0 | 0 | 1 | 1 |
| PIWA | 14 | 1 | 0 | 1 | 2 |
| PIWA | 18 | 1 | 0 | 0 | 1 |
| PIWA | 19 | 2 | 2 | 2 | 6 |
| PIWA | 20 | 0 | 1 | 1 | 2 |
| PIWA | 21 | 2 | 0 | 1 | 3 |
| PIWA | 27 | 2 | 1 | 0 | 3 |
| PIWA | 29 | 1 | 0 | 0 | 1 |
| PIWA | 30 | 3 | 0 | 0 | 3 |
| PIWA | 31 | 0 | 0 | 1 | 1 |
| PIWA | 32 | 1 | 1 | 2 | 4 |
| PIWA | 33 | 2 | 2 | 2 | 6 |
| PIWA | 37 | 2 | 0 | 0 | 2 |
| PIWA | 38 | 0 | 1 | 2 | 3 |
| PIWA | 39 | 0 | 1 | 0 | 1 |
| PIWA | 40 | 1 | 0 | 0 | 1 |
| PIWA | 41 | 1 | 3 | 0 | 4 |
| PIWA | 42 | 3 | 2 | 1 | 6 |
| PIWA | 43 | 2 | 0 | 0 | 2 |
| PIWA | 44 | 0 | 1 | 0 | 1 |
| PIWA | 47 | 2 | 1 | 1 | 4 |
| PIWA | 48 | 2 | 1 | 0 | 3 |
| PIWA | 49 | 1 | 2 | 0 | 3 |
| PIWA | 50 | 1 | 1 | 1 | 3 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PIWA | 51 | 1 | 1 | 1 | 3 |
| PIWA | 52 | 1 | 2 | 1 | 4 |
| PIWA | 53 | 1 | 2 | 1 | 4 |
| PIWA | 54 | 4 | 0 | 1 | 5 |
| PIWA | 55 | 2 | 0 | 0 | 2 |
| PIWA | 59 | 2 | 0 | 0 | 2 |
| PIWA | 61 | 1 | 2 | 3 | 6 |
| PIWA | 63 | 1 | 4 | 1 | 6 |
| PIWA | 64 | 0 | 2 | 0 | 2 |
| PIWA | 65 | 1 | 0 | 2 | 3 |
| PIWA | 66 | 1 | 0 | 0 | 1 |
| PIWA | 80 | 0 | 1 | 0 | 1 |
| PIWA | 81 | 2 | 0 | 2 | 4 |
| PIWA | 99 | 0 | 1 | 0 | 1 |
| Total |  | 56 | 45 | 34 | 135 |
| RBWO | 1 | 1 | 0 | 0 | 1 |
| RBWO | 14 | 1 | 0 | 0 | 1 |
| RBWO | 15 | 0 | 0 | 1 | 1 |
| RBWO | 16 | 0 | 0 | 1 | 1 |
| RBWO | 18 | 1 | 0 | 0 | 1 |
| RBWO | 35 | 0 | 0 | 1 | 1 |
| RBWO | 40 | 0 | 0 | 1 | 1 |
| RBWO | 41 | 1 | 0 | 0 | 1 |
| RBWO | 42 | 0 | 2 | 1 | 3 |
| RBWO | 45 | 0 | 0 | 1 | 1 |
| RBWO | 46 | 1 | 0 | 1 | 2 |
| RBWO | 48 | 1 | 0 | 1 | 2 |
| RBWO | 52 | 0 | 1 | 0 | 1 |
| RBWO | 53 | 0 | 0 | 1 | 1 |
| RBWO | 54 | 0 | 1 | 0 | 1 |
| RBWO | 57 | 0 | 0 | 1 | 1 |
| RBWO | 66 | 0 | 0 | 1 | 1 |
| RBWO | 97 | 0 | 0 | 1 | 1 |
| RBWO | 98 | 0 | 0 | 1 | 1 |
| Total |  | 6 | 4 | 13 | 23 |
| GCFL | 1 | 1 | 0 | 0 | 1 |
| GCFL | 4 | 1 | 0 | 0 | 1 |
| GCFL | 8 | 1 | 0 | 0 | 1 |
| GCFL | 12 | 0 | 2 | 0 | 2 |
| GCFL | 13 | 0 | 1 | 0 | 1 |
| GCFL | 20 | 0 | 2 | 0 | 2 |
| GCFL | 26 | 2 | 0 | 0 | 2 |
| GCFL | 27 | 2 | 0 | 0 | 2 |
| GCFL | 28 | 2 | 2 | 2 | 6 |
| GCFL | 29 | 0 | 2 | 1 | 3 |
| GCFL | 35 | 0 | 0 | 1 | 1 |
| GCFL | 42 | 0 | 1 | 0 | 1 |
| GCFL | 43 | 0 | 1 | 0 | 1 |
| GCFL | 44 | 1 | 1 | 0 | 2 |
| GCFL | 46 | 0 | 0 | 1 | 1 |
| GCFL | 47 | 0 | 1 | 0 | 1 |
| GCFL | 48 | 0 | 1 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NOCA | 10 | 0 | 1 | 1 | 2 |
| NOCA | 11 | 0 | 1 | 0 | 1 |
| NOCA | 13 | 0 | 0 | 1 | 1 |
| NOCA | 15 | 0 | 0 | 1 | 1 |
| NOCA | 16 | 1 | 0 | 0 | 1 |
| NOCA | 22 | 2 | 0 | 0 | 2 |
| NOCA | 27 | 0 | 0 | 1 | 1 |
| NOCA | 29 | 1 | 0 | 0 | 1 |
| NOCA | 41 | 2 | 0 | 0 | 2 |
| NOCA | 42 | 0 | 1 | 0 | 1 |
| NOCA | 44 | 0 | 0 | 1 | 1 |
| NOCA | 45 | 0 | 0 | 2 | 2 |
| NOCA | 47 | 1 | 1 | 1 | 3 |
| NOCA | 48 | 0 | 0 | 2 | 2 |
| NOCA | 50 | 0 | 1 | 0 | 1 |
| NOCA | 51 | 0 | 2 | 0 | 2 |
| NOCA | 53 | 0 | 1 | 1 | 2 |
| NOCA | 57 | 1 | 0 | 0 | 1 |
| NOCA | 58 | 2 | 0 | 0 | 2 |
| NOCA | 62 | 0 | 0 | 1 | 1 |
| NOCA | 63 | 2 | 0 | 0 | 2 |
| NOCA | 80 | 0 | 0 | 2 | 2 |
| NOCA | 81 | 0 | 0 | 1 | 1 |
| NOCA | 97 | 0 | 0 | 1 | 1 |
| NOCA | 98 | 0 | 1 | 0 | 1 |
| Total |  | 13 | 11 | 20 | 44 |
| BLJA | 1 | 0 | 1 | 0 | 1 |
| BLJA | 43 | 0 | 1 | 0 | 1 |
| BLJA | 50 | 0 | 1 | 1 | 2 |
| Total |  | 0 | 3 | 1 | 4 |
| WEWA | 2 | 1 | 1 | 1 | 3 |
| WEWA | 3 | 1 | 1 | 1 | 3 |
| WEWA | 7 | 2 | 0 | 0 | 2 |
| WEWA | 9 | 3 | 1 | 2 | 6 |
| WEWA | 10 | 0 | 3 | 3 | 6 |
| WEWA | 11 | 0 | 0 | 2 | 2 |
| WEWA | 19 | 1 | 1 | 1 | 3 |
| WEWA | 26 | 1 | 0 | 0 | 1 |
| WEWA | 28 | 3 | 3 | 2 | 8 |
| WEWA | 37 | 1 | 0 | 0 | 1 |
| WEWA | 40 | 0 | 2 | 0 | 2 |
| WEWA | 41 | 0 | 1 | 0 | 1 |
| WEWA | 43 | 0 | 1 | 1 | 2 |
| WEWA | 48 | 0 | 0 | 1 | 1 |
| WEWA | 50 | 0 | 1 | 0 | 1 |
| WEWA | 51 | 2 | 2 | 2 | 6 |
| WEWA | 53 | 0 | 2 | 1 | 3 |
| WEWA | 54 | 0 | 1 | 0 | 1 |
| WEWA | 60 | 0 | 3 | 3 | 6 |
| WEWA | 61 | 3 | 1 | 1 | 5 |
| WEWA | 62 | 0 | 2 | 3 | 5 |
| WEWA | 80 | 0 | 1 | 2 | 3 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| WEWA | 81 | 0 | 2 | 0 | 2 |
| WEWA | 95 | 0 | 1 | 2 | 3 |
| Total |  | 18 | 30 | 28 | 76 |
| MODO | 2 | 1 | 0 | 0 | 1 |
| MODO | 13 | 1 | 1 | 0 | 2 |
| MODO | 15 | 0 | 1 | 0 | 1 |
| MODO | 17 | 1 | 1 | 0 | 2 |
| MODO | 18 | 0 | 1 | 0 | 1 |
| MODO | 45 | 0 | 1 | 0 | 1 |
| MODO | 48 | 0 | 0 | 2 | 2 |
| MODO | 57 | 2 | 0 | 0 | 2 |
| MODO | 63 | 2 | 0 | 0 | 2 |
| Total |  | 7 | 5 | 2 | 14 |
| WOTH | 2 | 1 | 0 | 0 | 1 |
| WOTH | 7 | 1 | 0 | 0 | 1 |
| WOTH | 8 | 0 | 1 | 2 | 3 |
| WOTH | 9 | 1 | 1 | 0 | 2 |
| WOTH | 10 | 0 | 1 | 0 | 1 |
| WOTH | 11 | 0 | 1 | 2 | 3 |
| WOTH | 21 | 0 | 0 | 1 | 1 |
| WOTH | 22 | 0 | 0 | 1 | 1 |
| WOTH | 23 | 1 | 0 | 1 | 2 |
| WOTH | 26 | 0 | 1 | 1 | 2 |
| WOTH | 27 | 0 | 1 | 2 | 3 |
| WOTH | 28 | 0 | 1 | 0 | 1 |
| WOTH | 32 | 0 | 0 | 1 | 1 |
| WOTH | 35 | 0 | 1 | 0 | 1 |
| WOTH | 44 | 0 | 0 | 1 | 1 |
| WOTH | 45 | 1 | 0 | 1 | 2 |
| WOTH | 46 | 1 | 0 | 2 | 3 |
| WOTH | 50 | 0 | 1 | 0 | 1 |
| WOTH | 51 | 0 | 1 | 0 | 1 |
| WOTH | 52 | 0 | 1 | 0 | 1 |
| WOTH | 61 | 1 | 2 | 0 | 3 |
| WOTH | 62 | 0 | 1 | 1 | 2 |
| WOTH | 95 | 0 | 0 | 1 | 1 |
| WOTH | 97 | 0 | 1 | 0 | 1 |
| WOTH | 98 | 1 | 1 | 1 | 3 |
| WOTH | 99 | 0 | 0 | 1 | 1 |
| Total |  | 8 | 16 | 19 | 43 |
| REVI | 2 | 1 | 0 | 0 | 1 |
| REVI | 14 | 0 | 1 | 0 | 1 |
| REVI | 19 | 1 | 0 | 0 | 1 |
| REVI | 22 | 0 | 1 | 0 | 1 |
| REVI | 26 | 0 | 0 | 2 | 2 |
| REVI | 27 | 0 | 1 | 0 | 1 |
| REVI | 29 | 1 | 0 | 0 | 1 |
| REVI | 40 | 0 | 0 | 1 | 1 |
| REVI | 44 | 0 | 1 | 1 | 2 |
| REVI | 46 | 0 | 2 | 0 | 2 |
| REVI | 48 | 0 | 0 | 1 | 1 |
| REVI | 50 | 1 | 0 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| REVI | 51 | 1 | 1 | 0 | 2 |
| REVI | 52 | 1 | 0 | 0 | 1 |
| REVI | 53 | 1 | 0 | 0 | 1 |
| REVI | 55 | 0 | 1 | 1 | 2 |
| REVI | 95 | 0 | 0 | 1 | 1 |
| REVI | 99 | 1 | 0 | 1 | 2 |
| Total |  | 8 | 8 | 8 | 24 |
| YTWA | 2 | 1 | 1 | 2 | 4 |
| YTWA | 3 | 0 | 2 | 1 | 3 |
| YTWA | 4 | 0 | 2 | 2 | 4 |
| YTWA | 21 | 2 | 0 | 0 | 2 |
| YTWA | 27 | 2 | 1 | 0 | 3 |
| YTWA | 28 | 0 | 1 | 1 | 2 |
| YTWA | 30 | 1 | 1 | 0 | 2 |
| YTWA | 33 | 0 | 0 | 1 | 1 |
| YTWA | 38 | 1 | 0 | 0 | 1 |
| YTWA | 41 | 0 | 2 | 0 | 2 |
| YTWA | 42 | 0 | 0 | 1 | 1 |
| YTWA | 46 | 1 | 1 | 1 | 3 |
| YTWA | 48 | 0 | 1 | 2 | 3 |
| YTWA | 49 | 1 | 0 | 1 | 2 |
| YTWA | 50 | 1 | 2 | 1 | 4 |
| YTWA | 52 | 1 | 3 | 0 | 4 |
| YTWA | 53 | 1 | 1 | 0 | 2 |
| YTWA | 54 | 1 | 1 | 0 | 2 |
| YTWA | 55 | 0 | 3 | 0 | 3 |
| YTWA | 59 | 2 | 0 | 0 | 2 |
| YTWA | 80 | 1 | 0 | 0 | 1 |
| YTWA | 98 | 0 | 1 | 1 | 2 |
| Total |  | 16 | 23 | 14 | 53 |
| BHNU | 2 | 0 | 2 | 2 | 4 |
| Total |  | 0 | 2 | 2 | 4 |
| AMGO | 2 | 0 | 1 | 0 | 1 |
| AMGO | 10 | 0 | 1 | 0 | 1 |
| AMGO | 13 | 5 | 0 | 2 | 7 |
| AMGO | 17 | 0 | 2 | 3 | 5 |
| AMGO | 19 | 0 | 1 | 0 | 1 |
| AMGO | 20 | 1 | 0 | 0 | 1 |
| AMGO | 26 | 1 | 0 | 0 | 1 |
| AMGO | 29 | 1 | 0 | 3 | 4 |
| AMGO | 30 | 2 | 0 | 0 | 2 |
| AMGO | 36 | 1 | 0 | 0 | 1 |
| AMGO | 41 | 0 | 1 | 1 | 2 |
| AMGO | 42 | 2 | 0 | 0 | 2 |
| AMGO | 43 | 1 | 0 | 0 | 1 |
| AMGO | 46 | 0 | 2 | 0 | 2 |
| AMGO | 47 | 1 | 0 | 0 | 1 |
| AMGO | 50 | 1 | 0 | 0 | 1 |
| AMGO | 52 | 1 | 0 | 0 | 1 |
| AMGO | 53 | 0 | 0 | 1 | 1 |
| AMGO | 57 | 0 | 0 | 1 | 1 |
| AMGO | 59 | 0 | 0 | 1 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AMGO | 60 | 0 | 1 | 0 | 1 |
| AMGO | 62 | 0 | 1 | 0 | 1 |
| AMGO | 64 | 0 | 1 | 0 | 1 |
| AMGO | 65 | 0 | 1 | 0 | 1 |
| Total |  | 17 | 12 | 12 | 41 |
| NOPA | 2 | 0 | 1 | 0 | 1 |
| NOPA | 4 | 0 | 1 | 2 | 3 |
| NOPA | 5 | 0 | 1 | 0 | 1 |
| NOPA | 6 | 0 | 1 | 1 | 2 |
| NOPA | 8 | 0 | 2 | 2 | 4 |
| NOPA | 11 | 0 | 1 | 1 | 2 |
| NOPA | 44 | 0 | 0 | 1 | 1 |
| NOPA | 46 | 1 | 1 | 0 | 2 |
| NOPA | 53 | 0 | 1 | 0 | 1 |
| NOPA | 55 | 1 | 0 | 1 | 2 |
| NOPA | 95 | 0 | 0 | 1 | 1 |
| Total |  | 2 | 9 | 9 | 20 |
| RSHA | 4 | 1 | 1 | 0 | 2 |
| RSHA | 6 | 1 | 1 | 0 | 2 |
| RSHA | 48 | 0 | 1 | 0 | 1 |
| RSHA | 52 | 0 | 0 | 1 | 1 |
| RSHA | 53 | 0 | 2 | 0 | 2 |
| RSHA | 54 | 0 | 0 | 1 | 1 |
| Total |  | 2 | 5 | 2 | 9 |
| PRAW | 4 | 0 | 1 | 0 | 1 |
| PRAW | 5 | 4 | 0 | 0 | 4 |
| PRAW | 6 | 4 | 1 | 1 | 6 |
| PRAW | 7 | 0 | 1 | 2 | 3 |
| PRAW | 8 | 2 | 1 | 0 | 3 |
| PRAW | 12 | 1 | 1 | 0 | 2 |
| PRAW | 13 | 1 | 1 | 0 | 2 |
| PRAW | 14 | 3 | 2 | 2 | 7 |
| PRAW | 15 | 2 | 2 | 0 | 4 |
| PRAW | 16 | 3 | 1 | 0 | 4 |
| PRAW | 17 | 2 | 1 | 0 | 3 |
| PRAW | 18 | 5 | 3 | 1 | 9 |
| PRAW | 19 | 2 | 0 | 0 | 2 |
| PRAW | 20 | 0 | 2 | 2 | 4 |
| PRAW | 21 | 1 | 1 | 0 | 2 |
| PRAW | 22 | 2 | 1 | 0 | 3 |
| PRAW | 23 | 1 | 1 | 1 | 3 |
| PRAW | 29 | 1 | 2 | 0 | 3 |
| PRAW | 30 | 2 | 2 | 0 | 4 |
| PRAW | 31 | 2 | 1 | 0 | 3 |
| PRAW | 32 | 1 | 1 | 1 | 3 |
| PRAW | 33 | 2 | 2 | 0 | 4 |
| PRAW | 34 | 0 | 2 | 2 | 4 |
| PRAW | 35 | 3 | 5 | 0 | 8 |
| PRAW | 36 | 1 | 0 | 0 | 1 |
| PRAW | 37 | 3 | 0 | 0 | 3 |
| PRAW | 38 | 2 | 0 | 1 | 3 |
| PRAW | 39 | 2 | 1 | 1 | 4 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PRAW | 40 | 1 | 1 | 0 | 2 |
| PRAW | 44 | 1 | 0 | 0 | 1 |
| PRAW | 45 | 3 | 1 | 0 | 4 |
| PRAW | 47 | 1 | 1 | 0 | 2 |
| PRAW | 48 | 1 | 0 | 0 | 1 |
| PRAW | 49 | 1 | 0 | 0 | 1 |
| PRAW | 50 | 1 | 1 | 1 | 3 |
| PRAW | 57 | 2 | 0 | 1 | 3 |
| PRAW | 58 | 3 | 2 | 1 | 6 |
| PRAW | 59 | 2 | 2 | 0 | 4 |
| PRAW | 63 | 2 | 1 | 0 | 3 |
| PRAW | 64 | 1 | 0 | 0 | 1 |
| PRAW | 65 | 2 | 2 | 2 | 6 |
| PRAW | 66 | 2 | 1 | 0 | 3 |
| PRAW | 99 | 1 | 0 | 0 | 1 |
| Total |  | 76 | 48 | 19 | 143 |
| YBCH | 4 | 0 | 0 | 1 | 1 |
| YBCH | 7 | 2 | 0 | 0 | 2 |
| YBCH | 12 | 1 | 2 | 0 | 3 |
| YBCH | 13 | 1 | 1 | 0 | 2 |
| YBCH | 14 | 1 | 2 | 1 | 4 |
| YBCH | 15 | 2 | 2 | 0 | 4 |
| YBCH | 16 | 2 | 3 | 1 | 6 |
| YBCH | 17 | 2 | 3 | 0 | 5 |
| YBCH | 18 | 0 | 3 | 1 | 4 |
| YBCH | 19 | 0 | 1 | 1 | 2 |
| YBCH | 21 | 0 | 2 | 0 | 2 |
| YBCH | 22 | 1 | 1 | 0 | 2 |
| YBCH | 29 | 0 | 2 | 0 | 2 |
| YBCH | 30 | 1 | 1 | 0 | 2 |
| YBCH | 31 | 3 | 1 | 5 | 9 |
| YBCH | 34 | 0 | 2 | 2 | 4 |
| YBCH | 35 | 3 | 3 | 1 | 7 |
| YBCH | 36 | 1 | 0 | 2 | 3 |
| YBCH | 37 | 1 | 4 | 0 | 5 |
| YBCH | 38 | 2 | 2 | 2 | 6 |
| YBCH | 39 | 1 | 1 | 1 | 3 |
| YBCH | 40 | 0 | 2 | 1 | 3 |
| YBCH | 44 | 1 | 0 | 0 | 1 |
| YBCH | 45 | 3 | 0 | 1 | 4 |
| YBCH | 48 | 0 | 0 | 2 | 2 |
| YBCH | 49 | 0 | 3 | 2 | 5 |
| YBCH | 57 | 3 | 3 | 0 | 6 |
| YBCH | 58 | 2 | 1 | 2 | 5 |
| YBCH | 59 | 0 | 3 | 1 | 4 |
| YBCH | 63 | 2 | 3 | 0 | 5 |
| YBCH | 64 | 3 | 3 | 2 | 8 |
| YBCH | 65 | 1 | 0 | 0 | 1 |
| YBCH | 66 | 1 | 2 | 0 | 3 |
| Total |  | 40 | 56 | 29 | 125 |
| GRCA | 12 | 0 | 1 | 0 | 1 |
| GRCA | 13 | 2 | 2 | 0 | 4 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| GRCA | 14 | 2 | 0 | 0 | 2 |
| GRCA | 15 | 2 | 0 | 2 | 4 |
| GRCA | 16 | 3 | 2 | 1 | 6 |
| GRCA | 17 | 4 | 1 | 0 | 5 |
| GRCA | 18 | 1 | 0 | 0 | 1 |
| GRCA | 22 | 1 | 0 | 0 | 1 |
| GRCA | 31 | 2 | 0 | 0 | 2 |
| GRCA | 33 | 0 | 0 | 2 | 2 |
| GRCA | 34 | 0 | 2 | 3 | 5 |
| GRCA | 36 | 5 | 3 | 1 | 9 |
| GRCA | 37 | 1 | 2 | 1 | 4 |
| GRCA | 38 | 3 | 0 | 0 | 3 |
| GRCA | 39 | 3 | 5 | 3 | 11 |
| GRCA | 40 | 1 | 1 | 0 | 2 |
| GRCA | 45 | 1 | 2 | 2 | 5 |
| GRCA | 49 | 1 | 0 | 0 | 1 |
| GRCA | 51 | 1 | 0 | 0 | 1 |
| GRCA | 57 | 0 | 1 | 0 | 1 |
| GRCA | 58 | 0 | 0 | 1 | 1 |
| GRCA | 59 | 0 | 1 | 1 | 2 |
| GRCA | 63 | 0 | 1 | 0 | 1 |
| GRCA | 65 | 1 | 1 | 0 | 2 |
| Total |  | 34 | 25 | 17 | 76 |
| FISP | 7 | 0 | 1 | 0 | 1 |
| FISP | 13 | 0 | 1 | 1 | 2 |
| FISP | 14 | 1 | 0 | 0 | 1 |
| FISP | 15 | 1 | 1 | 1 | 3 |
| FISP | 16 | 3 | 1 | 3 | 7 |
| FISP | 17 | 3 | 3 | 2 | 8 |
| FISP | 18 | 1 | 1 | 0 | 2 |
| FISP | 29 | 0 | 2 | 0 | 2 |
| FISP | 30 | 0 | 0 | 1 | 1 |
| FISP | 31 | 2 | 2 | 2 | 6 |
| FISP | 34 | 0 | 0 | 1 | 1 |
| FISP | 35 | 1 | 1 | 2 | 4 |
| FISP | 36 | 1 | 1 | 1 | 3 |
| FISP | 37 | 0 | 4 | 1 | 5 |
| FISP | 39 | 0 | 0 | 2 | 2 |
| FISP | 40 | 0 | 0 | 1 | 1 |
| FISP | 44 | 1 | 0 | 0 | 1 |
| FISP | 45 | 0 | 0 | 1 | 1 |
| FISP | 49 | 0 | 0 | 1 | 1 |
| FISP | 57 | 0 | 0 | 1 | 1 |
| FISP | 59 | 1 | 0 | 2 | 3 |
| FISP | 65 | 0 | 2 | 1 | 3 |
| FISP | 66 | 1 | 0 | 0 | 1 |
| Total |  | 16 | 20 | 24 | 60 |
| BAWW | 14 | 1 | 0 | 0 | 1 |
| BAWW | 18 | 1 | 0 | 0 | 1 |
| BAWW | 28 | 1 | 0 | 0 | 1 |
| BAWW | 42 | 0 | 1 | 0 | 1 |
| BAWW | 44 | 1 | 0 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BAWW | 46 | 1 | 0 | 0 | 1 |
| BAWW | 50 | 0 | 1 | 0 | 1 |
| BAWW | 51 | 1 | 0 | 0 | 1 |
| BAWW | 53 | 0 | 1 | 0 | 1 |
| BAWW | 54 | 1 | 0 | 0 | 1 |
| BAWW | 61 | 0 | 1 | 1 | 2 |
| BAWW | 97 | 0 | 0 | 1 | 1 |
| BAWW | 98 | 2 | 0 | 0 | 2 |
| Total |  | 9 | 4 | 2 | 15 |
| YBCU | 3 | 0 | 1 | 0 | 1 |
| YBCU | 5 | 1 | 0 | 0 | 1 |
| YBCU | 6 | 0 | 1 | 1 | 2 |
| YBCU | 7 | 1 | 0 | 0 | 1 |
| YBCU | 13 | 0 | 1 | 0 | 1 |
| YBCU | 14 | 1 | 0 | 0 | 1 |
| YBCU | 15 | 1 | 0 | 0 | 1 |
| YBCU | 17 | 0 | 1 | 0 | 1 |
| YBCU | 18 | 1 | 0 | 0 | 1 |
| YBCU | 23 | 1 | 0 | 0 | 1 |
| YBCU | 26 | 0 | 1 | 0 | 1 |
| YBCU | 27 | 1 | 0 | 2 | 3 |
| YBCU | 28 | 1 | 0 | 0 | 1 |
| YBCU | 30 | 0 | 1 | 0 | 1 |
| YBCU | 31 | 0 | 0 | 1 | 1 |
| YBCU | 35 | 1 | 0 | 0 | 1 |
| YBCU | 37 | 1 | 0 | 0 | 1 |
| YBCU | 38 | 0 | 1 | 0 | 1 |
| YBCU | 41 | 1 | 1 | 0 | 2 |
| YBCU | 42 | 0 | 2 | 0 | 2 |
| YBCU | 44 | 0 | 1 | 0 | 1 |
| YBCU | 45 | 0 | 1 | 0 | 1 |
| YBCU | 47 | 0 | 0 | 1 | 1 |
| YBCU | 48 | 0 | 1 | 0 | 1 |
| YBCU | 49 | 0 | 0 | 1 | 1 |
| YBCU | 50 | 2 | 0 | 0 | 2 |
| YBCU | 53 | 1 | 0 | 0 | 1 |
| YBCU | 54 | 0 | 1 | 0 | 1 |
| YBCU | 55 | 1 | 0 | 0 | 1 |
| YBCU | 59 | 1 | 0 | 0 | 1 |
| YBCU | 63 | 1 | 0 | 0 | 1 |
| YBCU | 66 | 1 | 0 | 0 | 1 |
| YBCU | 99 | 1 | 0 | 0 | 1 |
| Total |  | 19 | 14 | 6 | 39 |
| NOFL | 14 | 0 | 2 | 0 | 2 |
| NOFL | 19 | 1 | 0 | 0 | 1 |
| NOFL | 22 | 0 | 0 | 2 | 2 |
| NOFL | 29 | 1 | 0 | 0 | 1 |
| NOFL | 31 | 1 | 0 | 0 | 1 |
| NOFL | 35 | 2 | 0 | 0 | 2 |
| NOFL | 39 | 1 | 0 | 0 | 1 |
| NOFL | 41 | 1 | 0 | 0 | 1 |
| NOFL | 42 | 1 | 0 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NOFL | 43 | 0 | 1 | 0 | 1 |
| NOFL | 44 | 0 | 1 | 0 | 1 |
| NOFL | 46 | 0 | 1 | 0 | 1 |
| NOFL | 47 | 1 | 0 | 0 | 1 |
| NOFL | 49 | 1 | 0 | 0 | 1 |
| NOFL | 55 | 0 | 2 | 0 | 2 |
| NOFL | 81 | 1 | 0 | 0 | 1 |
| Total |  | 11 | 7 | 2 | 20 |
| AMCR | 3 | 0 | 0 | 2 | 2 |
| AMCR | 5 | 0 | 1 | 0 | 1 |
| AMCR | 6 | 0 | 3 | 0 | 3 |
| AMCR | 7 | 0 | 1 | 0 | 1 |
| AMCR | 9 | 0 | 1 | 3 | 4 |
| AMCR | 12 | 1 | 1 | 0 | 2 |
| AMCR | 13 | 0 | 3 | 0 | 3 |
| AMCR | 14 | 0 | 1 | 0 | 1 |
| AMCR | 15 | 0 | 1 | 0 | 1 |
| AMCR | 16 | 1 | 0 | 0 | 1 |
| AMCR | 17 | 2 | 2 | 0 | 4 |
| AMCR | 18 | 0 | 1 | 0 | 1 |
| AMCR | 19 | 1 | 1 | 0 | 2 |
| AMCR | 20 | 3 | 0 | 0 | 3 |
| AMCR | 31 | 1 | 0 | 0 | 1 |
| AMCR | 32 | 0 | 0 | 2 | 2 |
| AMCR | 35 | 1 | 0 | 0 | 1 |
| AMCR | 38 | 1 | 0 | 3 | 4 |
| AMCR | 39 | 1 | 0 | 0 | 1 |
| AMCR | 42 | 0 | 0 | 1 | 1 |
| AMCR | 44 | 1 | 0 | 0 | 1 |
| AMCR | 45 | 0 | 1 | 2 | 3 |
| AMCR | 46 | 0 | 0 | 1 | 1 |
| AMCR | 47 | 0 | 0 | 1 | 1 |
| AMCR | 54 | 0 | 0 | 1 | 1 |
| AMCR | 58 | 1 | 0 | 0 | 1 |
| AMCR | 65 | 0 | 1 | 0 | 1 |
| Total |  | 14 | 18 | 16 | 48 |
| BGGN | 12 | 0 | 2 | 0 | 2 |
| BGGN | 13 | 0 | 1 | 0 | 1 |
| BGGN | 14 | 0 | 0 | 1 | 1 |
| BGGN | 18 | 0 | 0 | 2 | 2 |
| BGGN | 19 | 0 | 1 | 0 | 1 |
| BGGN | 21 | 2 | 0 | 0 | 2 |
| BGGN | 23 | 0 | 2 | 0 | 2 |
| BGGN | 26 | 1 | 0 | 0 | 1 |
| BGGN | 35 | 3 | 0 | 0 | 3 |
| BGGN | 38 | 0 | 1 | 0 | 1 |
| BGGN | 40 | 0 | 2 | 1 | 3 |
| BGGN | 41 | 1 | 0 | 0 | 1 |
| BGGN | 42 | 2 | 1 | 1 | 4 |
| BGGN | 44 | 0 | 0 | 1 | 1 |
| BGGN | 46 | 0 | 1 | 2 | 3 |
| BGGN | 47 | 0 | 2 | 1 | 3 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BGGN | 48 | 0 | 3 | 0 | 3 |
| BGGN | 50 | 0 | 1 | 0 | 1 |
| BGGN | 51 | 0 | 1 | 0 | 1 |
| BGGN | 52 | 0 | 1 | 0 | 1 |
| BGGN | 53 | 1 | 0 | 0 | 1 |
| BGGN | 54 | 1 | 2 | 0 | 3 |
| BGGN | 55 | 1 | 0 | 0 | 1 |
| BGGN | 58 | 0 | 0 | 2 | 2 |
| BGGN | 62 | 0 | 2 | 2 | 4 |
| BGGN | 98 | 2 | 0 | 0 | 2 |
| BGGN | 99 | 0 | 2 | 0 | 2 |
| Total |  | 14 | 25 | 13 | 52 |
| CARW | 3 | 0 | 0 | 1 | 1 |
| CARW | 5 | 0 | 2 | 0 | 2 |
| CARW | 7 | 0 | 1 | 1 | 2 |
| CARW | 15 | 1 | 0 | 0 | 1 |
| CARW | 16 | 1 | 0 | 0 | 1 |
| CARW | 27 | 1 | 0 | 0 | 1 |
| CARW | 28 | 0 | 0 | 1 | 1 |
| CARW | 32 | 1 | 1 | 2 | 4 |
| CARW | 34 | 1 | 0 | 0 | 1 |
| CARW | 37 | 0 | 1 | 0 | 1 |
| CARW | 43 | 0 | 1 | 0 | 1 |
| CARW | 44 | 1 | 0 | 1 | 2 |
| CARW | 46 | 0 | 0 | 2 | 2 |
| CARW | 48 | 1 | 0 | 1 | 2 |
| CARW | 51 | 0 | 0 | 2 | 2 |
| CARW | 53 | 2 | 0 | 1 | 3 |
| CARW | 57 | 0 | 0 | 2 | 2 |
| CARW | 58 | 2 | 0 | 0 | 2 |
| CARW | 59 | 1 | 0 | 0 | 1 |
| CARW | 60 | 0 | 0 | 1 | 1 |
| CARW | 63 | 0 | 1 | 1 | 2 |
| CARW | 64 | 0 | 0 | 1 | 1 |
| CARW | 66 | 2 | 0 | 0 | 2 |
| CARW | 80 | 1 | 0 | 0 | 1 |
| CARW | 81 | 1 | 0 | 0 | 1 |
| CARW | 97 | 0 | 1 | 0 | 1 |
| CARW | 99 | 0 | 1 | 0 | 1 |
| Total |  | 16 | 9 | 17 | 42 |
| INBU | 5 | 1 | 0 | 0 | 1 |
| INBU | 7 | 1 | 0 | 0 | 1 |
| INBU | 12 | 1 | 0 | 0 | 1 |
| INBU | 13 | 1 | 4 | 0 | 5 |
| INBU | 15 | 0 | 1 | 0 | 1 |
| INBU | 16 | 1 | 1 | 0 | 2 |
| INBU | 17 | 2 | 1 | 0 | 3 |
| INBU | 29 | 0 | 1 | 0 | 1 |
| INBU | 31 | 1 | 0 | 0 | 1 |
| INBU | 34 | 0 | 1 | 1 | 2 |
| INBU | 36 | 0 | 1 | 0 | 1 |
| INBU | 37 | 3 | 2 | 0 | 5 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INBU | 38 | 4 | 2 | 2 | 8 |
| INBU | 40 | 1 | 0 | 0 | 1 |
| INBU | 42 | 1 | 0 | 0 | 1 |
| INBU | 45 | 6 | 4 | 0 | 10 |
| INBU | 46 | 0 | 1 | 0 | 1 |
| INBU | 48 | 2 | 0 | 0 | 2 |
| INBU | 50 | 1 | 0 | 0 | 1 |
| INBU | 51 | 1 | 0 | 0 | 1 |
| INBU | 55 | 1 | 0 | 0 | 1 |
| INBU | 57 | 0 | 1 | 1 | 2 |
| INBU | 58 | 0 | 0 | 1 | 1 |
| INBU | 59 | 1 | 0 | 0 | 1 |
| INBU | 64 | 1 | 0 | 0 | 1 |
| INBU | 66 | 0 | 2 | 0 | 2 |
| INBU | 81 | 0 | 1 | 0 | 1 |
| Total |  | 30 | 23 | 5 | 58 |
| SUTA | 13 | 0 | 0 | 1 | 1 |
| SUTA | 15 | 0 | 1 | 0 | 1 |
| SUTA | 17 | 0 | 1 | 0 | 1 |
| SUTA | 26 | 0 | 0 | 1 | 1 |
| SUTA | 27 | 0 | 5 | 0 | 5 |
| SUTA | 42 | 0 | 0 | 1 | 1 |
| SUTA | 43 | 2 | 0 | 0 | 2 |
| SUTA | 51 | 0 | 1 | 1 | 2 |
| SUTA | 54 | 0 | 1 | 1 | 2 |
| SUTA | 55 | 0 | 0 | 1 | 1 |
| SUTA | 61 | 1 | 0 | 0 | 1 |
| SUTA | 65 | 0 | 0 | 1 | 1 |
| SUTA | 98 | 0 | 1 | 0 | 1 |
| Total |  | 3 | 10 | 7 | 20 |
| BARS | 15 | 0 | 1 | 0 | 1 |
| BARS | 18 | 1 | 0 | 0 | 1 |
| BARS | 57 | 0 | 0 | 1 | 1 |
| Total |  | 1 | 1 | 1 | 3 |
| BLGR | 12 | 0 | 0 | 1 | 1 |
| BLGR | 13 | 1 | 1 | 0 | 2 |
| BLGR | 15 | 0 | 0 | 1 | 1 |
| BLGR | 17 | 1 | 1 | 0 | 2 |
| BLGR | 22 | 0 | 0 | 1 | 1 |
| BLGR | 30 | 0 | 0 | 1 | 1 |
| BLGR | 33 | 0 | 0 | 2 | 2 |
| BLGR | 37 | 0 | 0 | 1 | 1 |
| BLGR | 38 | 0 | 1 | 2 | 3 |
| BLGR | 45 | 0 | 0 | 1 | 1 |
| BLGR | 57 | 0 | 0 | 2 | 2 |
| BLGR | 59 | 0 | 0 | 1 | 1 |
| BLGR | 64 | 0 | 1 | 0 | 1 |
| BLGR | 66 | 0 | 0 | 2 | 2 |
| Total |  | 2 | 4 | 15 | 21 |
| BRTH | 16 | 1 | 0 | 0 | 1 |
| BRTH | 36 | 0 | 1 | 0 | 1 |
| BRTH | 57 | 0 | 1 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| BRTH | 64 | 0 | 2 | 0 | 2 |
| BRTH | 65 | 0 | 0 | 1 | 1 |
| BRTH | 66 | 0 | 1 | 0 | 1 |
| Total |  | 1 | 5 | 1 | 7 |
| COGR | 3 | 0 | 1 | 0 | 1 |
| COGR | 5 | 0 | 1 | 0 | 1 |
| COGR | 6 | 1 | 0 | 0 | 1 |
| COGR | 16 | 0 | 1 | 0 | 1 |
| COGR | 17 | 0 | 5 | 0 | 5 |
| COGR | 19 | 0 | 0 | 3 | 3 |
| COGR | 20 | 0 | 0 | 3 | 3 |
| COGR | 22 | 0 | 1 | 0 | 1 |
| COGR | 30 | 0 | 16 | 0 | 16 |
| COGR | 31 | 0 | 0 | 1 | 1 |
| COGR | 33 | 0 | 3 | 0 | 3 |
| COGR | 34 | 0 | 3 | 0 | 3 |
| COGR | 36 | 5 | 11 | 0 | 16 |
| COGR | 37 | 5 | 0 | 0 | 5 |
| COGR | 38 | 0 | 1 | 0 | 1 |
| COGR | 48 | 2 | 0 | 0 | 2 |
| COGR | 49 | 0 | 4 | 0 | 4 |
| COGR | 53 | 0 | 2 | 0 | 2 |
| COGR | 57 | 0 | 0 | 1 | 1 |
| COGR | 59 | 0 | 9 | 1 | 10 |
| COGR | 66 | 0 | 1 | 0 | 1 |
| Total |  | 13 | 59 | 9 | 81 |
| TUVU | 5 | 1 | 0 | 0 | 1 |
| TUVU | 8 | 3 | 0 | 0 | 3 |
| TUVU | 12 | 0 | 0 | 1 | 1 |
| TUVU | 17 | 1 | 0 | 3 | 4 |
| TUVU | 21 | 0 | 1 | 3 | 4 |
| TUVU | 22 | 2 | 3 | 0 | 5 |
| TUVU | 31 | 0 | 4 | 0 | 4 |
| TUVU | 35 | 0 | 1 | 1 | 2 |
| TUVU | 38 | 0 | 0 | 4 | 4 |
| TUVU | 39 | 0 | 6 | 4 | 10 |
| TUVU | 40 | 0 | 0 | 2 | 2 |
| TUVU | 44 | 1 | 0 | 0 | 1 |
| TUVU | 47 | 0 | 2 | 0 | 2 |
| TUVU | 48 | 1 | 3 | 0 |  |
| TUVU | 49 | 0 | 1 | 0 | 1 |
| TUVU | 50 | 0 | 0 | 1 | 1 |
| TUVU | 51 | 0 | 0 | 1 | 1 |
| TUVU | 57 | 0 | 1 | 1 | 2 |
| TUVU | 58 | 0 | 3 | 0 | 3 |
| Total |  | 9 | 25 | 21 | 55 |
| RTHA | 17 | 0 | 1 | 0 | 1 |
| RTHA | 28 | 0 | 0 | 1 | 1 |
| RTHA | 31 | 0 | 0 | 1 | 1 |
| RTHA | 65 | 1 | 0 | 0 | 1 |
| Total |  | 1 | 1 | 2 | 4 |
| RBGU | 18 | 1 | 0 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  | 1 | 0 | 0 | 1 |
| GBHE | 18 | 0 | 1 | 0 | 1 |
| Total |  | 0 | 1 | 0 | 1 |
| EAKI | 18 | 0 | 0 | 1 | 1 |
| EAKI | 23 | 0 | 0 | 1 | 1 |
| EAKI | 34 | 0 | 1 | 0 | 1 |
| EAKI | 36 | 1 | 2 | 0 | 3 |
| EAKI | 59 | 0 | 0 | 1 | 1 |
| Total |  | 1 | 3 | 3 | 7 |
| PROW | 3 | 0 | 1 | 1 | 2 |
| PROW | 7 | 2 | 0 | 0 | 2 |
| PROW | 10 | 0 | 1 | 1 | 2 |
| PROW | 26 | 1 | 3 | 2 | 6 |
| PROW | 27 | 1 | 0 | 2 | 3 |
| PROW | 28 | 1 | 1 | 1 | 3 |
| PROW | 31 | 1 | 0 | 0 | 1 |
| PROW | 32 | 0 | 0 | 1 | 1 |
| PROW | 33 | 0 | 1 | 0 | 1 |
| PROW | 38 | 2 | 1 | 0 | 3 |
| PROW | 43 | 0 | 2 | 0 | 2 |
| PROW | 44 | 1 | 3 | 1 | 5 |
| PROW | 46 | 0 | 3 | 2 | 5 |
| PROW | 47 | 1 | 1 | 0 | 2 |
| PROW | 48 | 1 | 1 | 0 | 2 |
| PROW | 49 | 2 | 0 | 0 | 2 |
| PROW | 50 | 1 | 3 | 2 | 6 |
| PROW | 51 | 2 | 0 | 0 | 2 |
| PROW | 52 | 1 | 1 | 0 | 2 |
| PROW | 53 | 1 | 1 | 0 | 2 |
| PROW | 54 | 2 | 2 | 0 | 4 |
| PROW | 55 | 4 | 3 | 1 | 8 |
| PROW | 81 | 1 | 0 | 1 | 2 |
| PROW | 98 | 2 | 2 | 1 | 5 |
| PROW | 99 | 4 | 0 | 0 | 4 |
| Total |  | 31 | 30 | 16 | 77 |
| OROR | 30 | 0 | 3 | 0 | 3 |
| OROR | 31 | 0 | 1 | 1 | 2 |
| OROR | 33 | 2 | 2 | 2 | 6 |
| OROR | 34 | 1 | 3 | 3 | 7 |
| OROR | 36 | 0 | 0 | 1 | 1 |
| OROR | 37 | 0 | 0 | 1 | 1 |
| OROR | 38 | 0 | 0 | 2 | 2 |
| OROR | 43 | 0 | 1 | 1 | 2 |
| OROR | 45 | 0 | 0 | 1 | 1 |
| OROR | 49 | 0 | 2 | 0 | 2 |
| OROR | 66 | 0 | 1 | 0 | 1 |
| Total |  | 3 | 13 | 12 | 28 |
| EUST | 34 | 0 | 1 | 0 | 1 |
| EUST | 64 | 5 | 0 | 1 | 6 |
| Total |  | 5 | 1 | 1 | 7 |
| DOWO | 21 | 0 | 0 | 1 | 1 |
| DOWO | 34 | 0 | 0 | 1 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DOWO | 40 | 2 | 0 | 1 | 3 |
| DOWO | 44 | 1 | 0 | 0 | 1 |
| DOWO | 51 | 2 | 3 | 0 | 5 |
| DOWO | 52 | 0 | 1 | 0 | 1 |
| DOWO | 53 | 0 | 0 | 1 | 1 |
| DOWO | 55 | 0 | 1 | 1 | 2 |
| DOWO | 57 | 2 | 0 | 0 | 2 |
| DOWO | 66 | 1 | 0 | 0 | 1 |
| DOWO | 81 | 0 | 1 | 0 | 1 |
| DOWO | 95 | 0 | 1 | 0 | 1 |
| DOWO | 97 | 0 | 1 | 0 | 1 |
| Total |  | 8 | 8 | 5 | 21 |
| CHSP | 13 | 1 | 0 | 0 | 1 |
| CHSP | 31 | 0 | 0 | 1 | 1 |
| CHSP | 36 | 0 | 1 | 0 | 1 |
| CHSP | 37 | 1 | 0 | 0 | 1 |
| CHSP | 42 | 1 | 0 | 0 | 1 |
| CHSP | 45 | 1 | 1 | 0 | 2 |
| CHSP | 63 | 1 | 0 | 0 | 1 |
| Total |  | 5 | 2 | 1 | 8 |
| YEWA | 42 | 1 | 0 | 0 | 1 |
| YEWA | 43 | 0 | 0 | 1 | 1 |
| YEWA | 46 | 1 | 0 | 0 | 1 |
| YEWA | 51 | 1 | 0 | 0 | 1 |
| YEWA | 98 | 0 | 1 | 0 | 1 |
| Total |  | 3 | 1 | 1 | 5 |
| RTHU | 13 | 1 | 0 | 0 | 1 |
| RTHU | 27 | 2 | 0 | 0 | 2 |
| RTHU | 29 | 1 | 0 | 0 | 1 |
| RTHU | 30 | 0 | 0 | 1 | 1 |
| RTHU | 40 | 1 | 0 | 0 | 1 |
| RTHU | 41 | 1 | 0 | 0 | 1 |
| RTHU | 42 | 1 | 0 | 0 | 1 |
| RTHU | 43 | 1 | 0 | 0 | 1 |
| RTHU | 47 | 0 | 0 | 1 | 1 |
| RTHU | 58 | 1 | 0 | 1 | 2 |
| RTHU | 99 | 1 | 0 | 1 | 2 |
| Total |  | 10 | 0 | 4 | 14 |
| PIWO | 27 | 2 | 0 | 0 | 2 |
| PIWO | 28 | 2 | 0 | 0 | 2 |
| PIWO | 38 | 2 | 0 | 0 | 2 |
| PIWO | 42 | 0 | 1 | 0 | 1 |
| PIWO | 43 | 0 | 1 | 0 | 1 |
| PIWO | 46 | 1 | 0 | 0 | 1 |
| PIWO | 47 | 0 | 0 | 1 | 1 |
| PIWO | 48 | 1 | 0 | 0 | 1 |
| PIWO | 50 | 1 | 0 | 0 | 1 |
| PIWO | 54 | 0 | 0 | 1 |  |
| PIWO | 97 | 0 | 2 | 0 | 2 |
| PIWO | 98 | 1 | 0 | 0 | 1 |
| Total |  | 10 | 4 | 2 | 16 |
| NOBO | 21 | 0 | 0 | 1 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NOBO | 31 | 0 | 1 | 3 | 4 |
| NOBO | 42 | 0 | 1 | 0 | 1 |
| NOBO | 43 | 0 | 1 | 0 | 1 |
| NOBO | 44 | 0 | 1 | 0 | 1 |
| NOBO | 45 | 0 | 1 | 0 | 1 |
| NOBO | 57 | 0 | 0 | 1 | 1 |
| NOBO | 64 | 0 | 0 | 2 | 2 |
| NOBO | 66 | 0 | 0 | 1 | 1 |
| Total |  | 0 | 5 | 8 | 13 |
| YTVI | 26 | 0 | 1 | 2 | 3 |
| YTVI | 27 | 1 | 1 | 1 | 3 |
| YTVI | 42 | 0 | 1 | 0 | 1 |
| YTVI | 46 | 0 | 2 | 1 | 3 |
| YTVI | 47 | 1 | 0 | 0 | 1 |
| YTVI | 48 | 2 | 0 | 0 | 2 |
| YTVI | 51 | 1 | 0 | 0 | 1 |
| YTVI | 52 | 1 | 0 | 0 | 1 |
| YTVI | 54 | 0 | 0 | 1 | 1 |
| YTVI | 55 | 1 | 1 | 2 | 4 |
| YTVI | 98 | 0 | 0 | 1 | 1 |
| Total |  | 7 | 6 | 8 | 21 |
| SCTA | 11 | 0 | 1 | 0 | 1 |
| SCTA | 43 | 0 | 1 | 0 | 1 |
| SCTA | 55 | 0 | 2 | 0 | 2 |
| Total |  | 0 | 4 | 0 | 4 |
| HAWO | 6 | 0 | 1 | 0 | 1 |
| HAWO | 30 | 0 | 1 | 0 | 1 |
| HAWO | 43 | 0 | 3 | 0 | 3 |
| HAWO | 54 | 0 | 0 | 1 | 1 |
| Total |  | 0 | 5 | 1 | 6 |
| RHWO | 57 | 0 | 0 | 1 | 1 |
| RHWO | 64 | 2 | 2 | 0 | 4 |
| Total |  | 2 | 2 | 1 | 5 |
| WITU | 3 | 1 | 0 | 0 | 1 |
| WITU | 23 | 0 | 1 | 0 | 1 |
| WITU | 64 | 1 | 0 | 0 | 1 |
| Total |  | 2 | 1 | 0 | 3 |
| PUMA | 61 | 2 | 0 | 0 | 2 |
| PUMA | 64 | 0 | 0 | 3 | 3 |
| Total |  | 2 | 0 | 3 | 5 |
| KILL | 13 | 0 | 2 | 0 | 2 |
| Total |  | 0 | 2 | 0 | 2 |
| EAPH | 37 | 0 | 1 | 0 | 1 |
| Total |  | 0 | 1 | 0 | 1 |
| CHSW | 22 | 0 | 1 | 0 | 1 |
| CHSW | 29 | 0 | 1 | 0 | 1 |
| CHSW | 40 | 0 | 0 | 1 | 1 |
| Total |  | 0 | 2 | 1 | 3 |
| KEWA | 46 | 0 | 1 | 0 | 1 |
| KEWA | 48 | 0 | 1 | 0 | 1 |
| KEWA | 54 | 0 | 1 | 0 | 1 |
| KEWA | 98 | 0 | 1 | 0 | 1 |

Appendix II (continued). Bird species and numbers of detections by point and round.

| Species | Point | Round 1 | Round 2 | Round 3 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  | 0 | 4 | 0 | 4 |
| LAGU | 46 | 0 | 1 | 0 | 1 |
| Total |  | 0 | 1 | 0 | 1 |
| LOWA | 44 | 0 | 1 | 0 | 1 |
| LOWA | 46 | 0 | 1 | 0 | 1 |
| LOWA | 52 | 1 | 1 | 0 | 2 |
| LOWA | 53 | 1 | 0 | 0 | 1 |
| LOWA | 98 | 0 | 1 | 1 | 2 |
| LOWA | 99 | 0 | 0 | 1 | 1 |
| Total |  | 2 | 4 | 2 | 8 |
| WBNU | 50 | 2 | 0 | 0 | 2 |
| WBNU | 55 | 1 | 0 | 2 | 3 |
| Total |  | 3 | 0 | 2 | 5 |
| AMRE | 30 | 1 | 1 | 0 | 2 |
| AMRE | 44 | 0 | 1 | 0 | 1 |
| AMRE | 51 | 1 | 0 | 0 | 1 |
| AMRE | 55 | 0 | 1 | 1 | 2 |
| AMRE | 60 | 0 | 1 | 0 | 1 |
| AMRE | 98 | 0 | 1 | 1 | 2 |
| Total |  | 2 | 5 | 2 | 9 |
| FICR | 12 | 0 | 1 | 0 | 1 |
| Total |  | 0 | 1 | 0 | 1 |
| TRES | 12 | 0 | 1 | 0 | 1 |
| TRES | 35 | 0 | 0 | 1 | 1 |
| Total |  | 0 | 1 | 1 | 2 |
| SWWA | 55 | 1 | 0 | 0 | 1 |
| Total |  | 1 | 0 | 0 | 1 |
| BAOW | 55 | 1 | 0 | 0 | 1 |
| Total |  | 1 | 0 | 0 | 1 |
| AMWO | 98 | 0 | 1 | 0 | 1 |
| Total |  | 0 | 1 | 0 | 1 |
| SOSP | 48 | 1 | 0 | 0 | 1 |
| Total |  | 1 | 0 | 0 | 1 |
| GRHE | 45 | 0 | 2 | 0 | 2 |
| Total |  | 0 | 2 | 0 | 2 |
| HOWR | 45 | 0 | 2 | 0 | 2 |
| Total |  | 0 | 2 | 0 | 2 |
| Column Total |  | 953 | 1020 | 781 | 2754 |

Appendix III. List of species detected with scientific name, alpha code, and migration status.

| Common Name | Genus | Species | AOU Alpha code | Migration Status |
| :---: | :---: | :---: | :---: | :---: |
| Great Blue Heron | Ardea | herodias | GBHE | Resident |
| Green Heron | Butorides | virescens | GRHE | Temperate Migrant |
| Turkey Vulture | Cathartes | aura | TUVU | Temperate Migrant |
| Red-shouldered Hawk | Buteo | lineatus | RSHA | Resident |
| Red-tailed Hawk | Buteo | jamaicensis | RTHA | Temperate Migrant |
| Wild Turkey | Meleagris | gallopavo | WITU | Resident |
| Northern Bobwhite | Colinus | virginianus | NOBO | Resident |
| Killdeer | Charadrius | vociferous | KILL | Temperate Migrant |
| American Woodcock | Scolopax | minor | AMWO | Temperate Migrant |
| Laughing Gull | Larus | atricilla | LAGU | Neotropical Migrant |
| Ring-billed Gull | Larus | delawarensis | RBGU | Temperate Migrant |
| Mourning Dove | Zenaida | macroura | MODO | Resident |
| Yellow-billed Cuckoo | Coccyzus | americanus | YBCU | Neotropical Migrant |
| Barred Owl | Strix | varia | BAOW | Resident |
| Chimney Swift | Chaetura | pelagica | CHSW | Neotropical Migrant |
| Ruby-throated Hummingbird | Archilochus | colubris | RTHU | Neotropical Migrant |
| Red-headed Woodpecker | Melanerpes | erythrocephalus | RHWO | Resident |
| Red-bellied Woodpecker | Melanerpes | carolinus | RBWO | Resident |
| Downy Woodpecker | Picoides | pubescens | DOWO | Resident |
| Hairy Woodpecker | Picoides | villosus | HAWO | Resident |
| Northern Flicker | Colaptes | auratus | NOFL | Temperate Migrant |
| Pileated Woodpecker | Dryocopus | pileatus | PIWO | Resident |
| Eastern Wood-Pewee | Contopus | virens | EAWP | Neotropical Migrant |
| Acadian Flycatcher | Empidonax | virescens | ACFL | Neotropical Migrant |
| Eastern Phoebe | Sayornis | phoebe | EAPH | Temperate Migrant |
| Great Crested Flycatcher | Myiarchus | crinitus | GCFL | Neotropical Migrant |
| Eastern Kingbird | Tyrannus | tyrannus | EAKI | Neotropical Migrant |
| White-eyed Vireo | Vireo | griseus | WEVI | Neotropical Migrant |
| Yellow-throated Vireo | Vireo | flavifrons | YTVI | Neotropical Migrant |
| Red-eyed Vireo | Vireo | olivaceus | REVI | Neotropical Migrant |
| Blue Jay | Cyanocitta | cristata | BLJA | Temperate Migrant |
| American Crow | Corvus | brachyrhynchos | AMCR | Resident |
| Fish Crow | Corvus | ossifragus | FICR | Resident |
| Purple Martin | Progne | subis | PUMA | Neotropical Migrant |
| Tree Swallow | Tachycineta | bicolor | TRES | Neotropical Migrant |
| Barn Swallow | Hirundo | rustica | BARS | Neotropical Migrant |
| Carolina Chickadee | Poecile | carolinensis | CACH | Resident |
| Eastern Tufted Titmouse | Baeolophus | bicolor | ETTI | Resident |

Appendix III (continued). List of species detected with scientific name, alpha code, and migration status.

| Common Name | Genus | Species | AOU <br> Alpha code | Migration Status |
| :---: | :---: | :---: | :---: | :---: |
| White-breasted Nuthatch | Sitta | carolinensis | WBNU | Resident |
| Brown-headed Nuthatch | Sitta | pusilla | BHNU | Resident |
| Carolina Wren | Thryothorus | ludovicianus | CARW | Resident |
| House Wren | Troglodytes | aedon | HOWR | Neotropical Migrant |
| Blue-gray Gnatcatcher | Polioptila | caerulea | BGGN | Neotropical Migrant |
| Wood Thrush | Hylocichla | mustelina | WOTH | Neotropical Migrant |
| Gray Catbird | Dumetella | carolinensis | GRCA | Neotropical Migrant |
| Brown Thrasher | Toxostoma | rufum | BRTH | Temperate Migrant |
| European Starling | Sturnus | vulgaris | EUST | Resident |
| Northern Parula | Parula | americana | NOPA | Neotropical Migrant |
| Yellow Warbler | Dendroica | petechia | YWAR | Neotropical Migrant |
| Yellow-throated Warbler | Dendroica | dominica | YTWA | Neotropical Migrant |
| Pine Warbler | Dendroica | pinus | PIWA | Temperate Migrant |
| Prairie Warbler | Dendroica | discolor | PRAW | Neotropical Migrant |
| Black-and-white Warbler | Mniotilta | varia | BAWW | Neotropical Migrant |
| American Redstart | Setophaga | ruticilla | AMRE | Neotropical Migrant |
| Prothonotary Warbler | Protonotaria | citrea | PROW | Neotropical Migrant |
| Worm-eating Warbler | Helmitheros | vermivorum | WEWA | Neotropical Migrant |
| Ovenbird | Seiurus | aurocapilla | OVEN | Neotropical Migrant |
| Louisiana Waterthrush | Seiurus | motacilla | LOWA | Neotropical Migrant |
| Swainson's Warbler | Limnothlypis | swainsonii | SWWA | Neotropical Migrant |
| Kentucky Warbler | Oporornis | formosus | KEWA | Neotropical Migrant |
| Common Yellowthroat | Geothlypis | trichas | COYE | Neotropical Migrant |
| Hooded Warbler | Wilsonia | citrina | HOWA | Neotropical Migrant |
| Yellow-breasted Chat | Icteria | virens | YBCH | Neotropical Migrant |
| Summer Tanager | Piranga | rubra | SUTA | Neotropical Migrant |
| Scarlet Tanager | Piranga | olivacea | SCTA | Neotropical Migrant |
| Eastern Towhee | Pipilo | erythrophthalmus | EATO | Temperate Migrant |
| Chipping Sparrow | Spizella | passerina | CHSP | Temperate Migrant |
| Field Sparrow | Spizella | pusilla | FISP | Temperate Migrant |
| Song Sparrow | Melospiza | melodia | SOSP | Temperate Migrant |
| Northern Cardinal | Cardinalis | cardinalis | NOCA | Resident |
| Blue Grosbeak | Passerina | caerulea | BLGR | Neotropical Migrant |
| Indigo Bunting | Passerina | cyanea | INBU | Neotropical Migrant |
| Common Grackle | Quiscalus | quiscula | COGR | Resident |
| Brown-headed Cowbird | Molothrus | ater | BHCO | Resident |
| Orchard Oriole | Icterus | spurius | OROR | Neotropical Migrant |
| American Goldfinch | Carduelis | tristis | AMGO | Temperate Migrant |

