



Organización de Aviación Civil Internacional

BOLETÍN ELECTRÓNICO

A título informativo únicamente

EB 2017/25

12 de mayo de 2017

ANÁLISIS DE LOS CHOQUES CON FAUNA SILVESTRE (IBIS) CORRESPONDIENTE AL PERÍODO 2008 - 2015

Los análisis de los informes de choques con fauna silvestre correspondientes al período comprendido entre 2008 y 2015 se basan en 97 751 informes que se recibieron de 91 Estados para notificar choques ocurridos en 105 Estados y territorios, según figura en el Adjunto A. En el Adjunto B se incluye un resumen de los choques con fauna silvestre notificados al Sistema de notificación de la OACI de los choques con aves (IBIS) entre 2008 y 2015. En el Adjunto C figuran las estadísticas mundiales de choques con fauna silvestre del IBIS y en el Adjunto D, la lista de tipos de fauna silvestre. Se puede acceder a dichos adjuntos (disponibles en inglés únicamente) en www.icao.int/IBIS.

Los análisis de los datos sobre choques con fauna silvestre y las actividades de observación y seguimiento de la fauna silvestre pueden revelar tendencias que ayudarán a las autoridades aeroportuarias a identificar áreas de preocupación, que deberían tratarse mediante un programa de control de la fauna silvestre bien administrado. Las estadísticas sobre choques con fauna silvestre también pueden analizarse para determinar las épocas, o el día del año, en que es más necesario efectuar controles de la fauna silvestre.

A fin de facilitar aún más la notificación de sucesos y el análisis de datos, la OACI ha reemplazado la aplicación por computadora del IBIS con un nuevo sistema de notificación basado en la plataforma del Centro europeo de coordinación de sistemas de informes de incidentes y accidentes de aviación (ECCAIRS). Se puede descargar el manual del usuario y el manual de instalación del soporte lógico en www.icao.int/IBIS. Se alienta a los Estados a presentar informes sobre choques con fauna silvestre, bien sea a través de los ficheros ECCAIRS e5f/e4f, o mediante el formulario en Excel del ECCAIRS que también puede descargarse desde el sitio www.icao.int/IBIS.

Adjuntos:

- A – Lista de Estados y territorios correspondiente al período 2008-2015
- B – Resumen de los choques con fauna silvestre notificados al Sistema de notificación de la OACI de los choques con aves (IBIS) correspondiente al período 2008-2015
- C – Estadísticas mundiales de choques con fauna silvestre del IBIS correspondientes al período 2008-2015
- D – Lista de tipos de fauna silvestre correspondiente al período 2008-2015

Publicado bajo la responsabilidad de la Secretaria General

ATTACHMENT A to EB 2017/25

LIST OF STATES AND TERRITORIES FOR THE YEARS 2008 - 2015

States Reporting (91 States)

| | | |
|------------------------|---------------------|----------------------|
| Angola | Japan | South Korea |
| Armenia | Jordan | Spain |
| Australia | Kenya | Sri Lanka |
| Austria | Kyrgyzstan | Sweden |
| Bahrain | Latvia | Switzerland |
| Bangladesh | Lebanon | Tanzania |
| Barbados | Macedonia | Thailand |
| Belarus | Madagascar | Togo |
| Belgium | Maldives | Tonga |
| Bolivia | Malta | Trinidad & Tobago |
| Bosnia and Herzegovina | Mauritius | Tunisia |
| Brazil | Mexico | Turkey |
| Cameroon | Mongolia | Uganda |
| Cape Verde | Montenegro | Ukraine |
| Chile | Morocco | United Arab Emirates |
| China | Myanmar | United Kingdom |
| Croatia | Nepal | United States |
| Dominican Republic | New Zealand | Uruguay |
| Ecuador | Nicaragua | Uzbekistan |
| El Salvador | Nigeria | Venezuela |
| Estonia | Oman | |
| Fiji | Pakistan | |
| Finland | Paraguay | |
| France | Peru | |
| Georgia | Philippines | |
| Germany | Poland | |
| Greece | Portugal | |
| Hong Kong | Qatar | |
| India | Republic of Korea | |
| Indonesia | Republic of Moldova | |
| Iran | Romania | |
| Ireland | Russian Federation | |
| Israel | Rwanda | |
| Italy | Saudi Arabia | |
| Jamaica | Singapore | |
| Japan | Slovakia | |

States/Territories of Occurrence (105 States)

| | | |
|-----------------------------------|------------------|--------------------------|
| Algeria | Finland | Norway |
| Argentina | French Antilles | Panama |
| Angola | French Guyana | Peru |
| Armenia | French Polynesia | Philippines |
| Australia | Gabon | Portugal |
| Austria | Germany | Puerto Rico |
| Bahamas | Greece | Reunion |
| Bahrain | Guinea | Romania |
| Belize | Haiti | Russian Federation |
| Belgium | Honduras | Saudi Arabia |
| Benin | Hong Kong | Senegal |
| British Virgin Islands | Hungary | Sierra Leone |
| Bolivia | Ireland | Singapore |
| Burkina Faso | India | Slovenia |
| Cambodia | Indonesia | Sri Lanka |
| Cameroon | Israel | Spain |
| Canada | Italy | Sweden |
| Canary Islands | Ivory Coast | Switzerland |
| Chad | Japan | Thailand |
| Chile | Kenya | Togo |
| China | Korea, South | Tunisia |
| Croatia | Latvia | Turkey |
| Colombia | Lebanon | Turks and Caicos Islands |
| Congo, the Republic of | Madagascar | Uganda |
| Congo, the Democratic Republic of | Malaysia | United Arab Emirates |
| Costa Rica | Mali | United Kingdom |
| Cyprus | Mariana Islands | United States of America |
| Czech Republic | Marshall Islands | Uruguay |
| Denmark | Mauritius | Vanuatu |
| Djibouti | Mexico | Venezuela |
| Dominican Republic | Midway | Vietnam |
| Egypt | Morocco | |
| Ecuador | Netherlands | |
| El Salvador | New Caledonia | |
| Estonia | New Zealand | |
| France | Niger | |
| Fiji | Nigeria | |

ATTACHMENT B to EB 2017/25

SUMMARY OF WILDLIFE STRIKES REPORTED TO THE ICAO BIRD STRIKE INFORMATION SYSTEM (IBIS) FOR THE YEARS 2008 - 2015

1. INTRODUCTION

1.1 The ICAO Bird Strike Information System (IBIS) was created to collect and disseminate information on wildlife strikes to aircraft.

1.2 This statistical summary is intended to provide the reader with an overview of the global wildlife strike situation, as reported to ICAO for the years 2008 to 2015. It supplements the IBIS World Statistics in Attachment D to this Electronic Bulletin.

2. STATISTICAL ANALYSIS FOR THE YEARS 2008-2015

2.1 *Wildlife strikes at Global Level:* The previous data period covered the years 2001 to 2007, seven years in total. This data period covers the years 2008 to 2015, eight years in total. Although the change in data period is only of one year, the number of wildlife strikes reported to ICAO has increased significantly from 42 508 to 97 751. The global trend in terms of wildlife strike characteristics remains to be very similar, as shown further within this document.

2.2 *Wildlife strikes by ICAO Region:* For the years 2008 to 2015, the 97 751 wildlife strikes were reported to ICAO by 91 States. These occurred in 105 States and Territories throughout the world. Charts 1 and 2 below illustrate a comparison between the number of States and Territories of occurrence and States reporting, and reported strikes distributed by the Region in which they occurred.

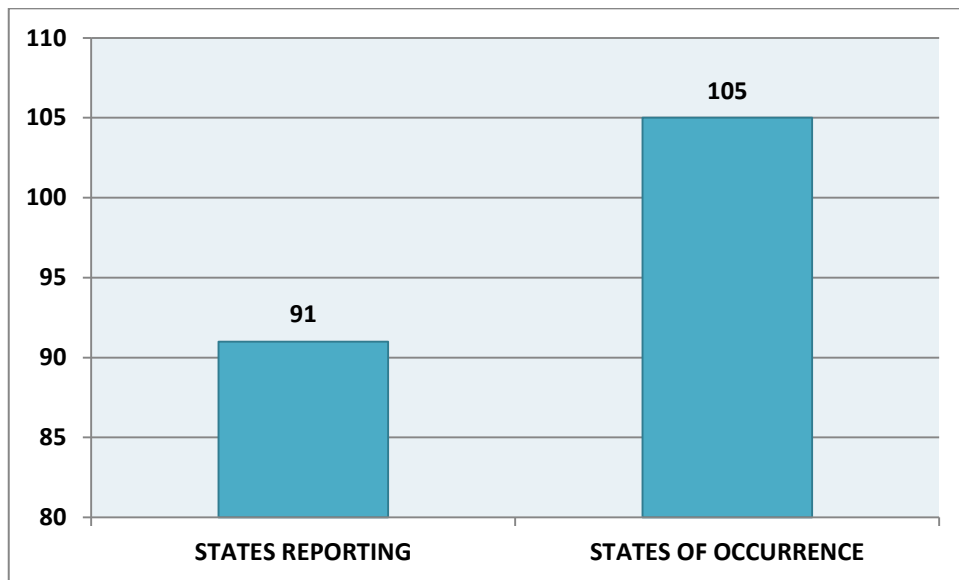


Chart 1: States/Territories of Occurrences and States Reporting

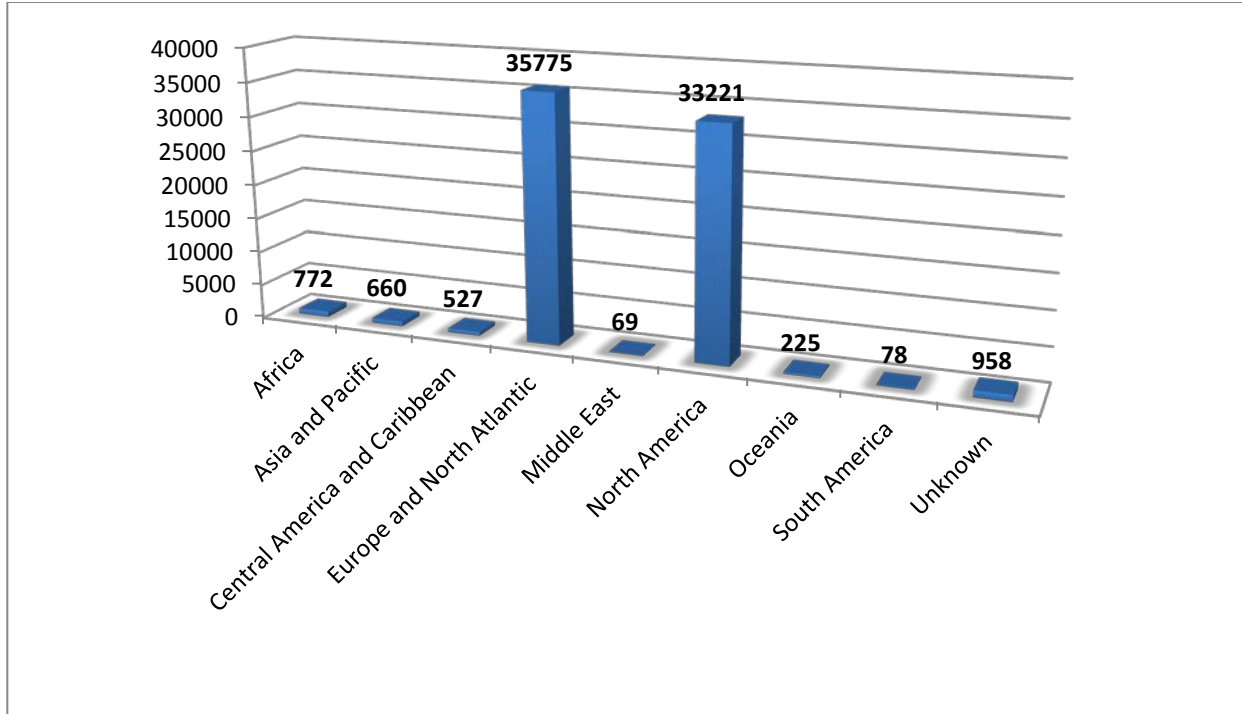


Chart 2: Strikes reported distributed by Region in which they occurred

2.3 **When the wildlife strikes occurred:** 68 per cent of the bird strikes occurred during the day and 25 per cent occurred at night time, as illustrated in Chart 3.

Day time remains to be the highest activity of wildlife strikes when compared with the previous data period 2001 to 2007. Although there is a sharp increase in the data gathered from 2008 to 2015 with twice the amount of wildlife strikes both during daytime and at night time, the pattern remains the same in terms of wildlife strikes in relation to the time of the day.

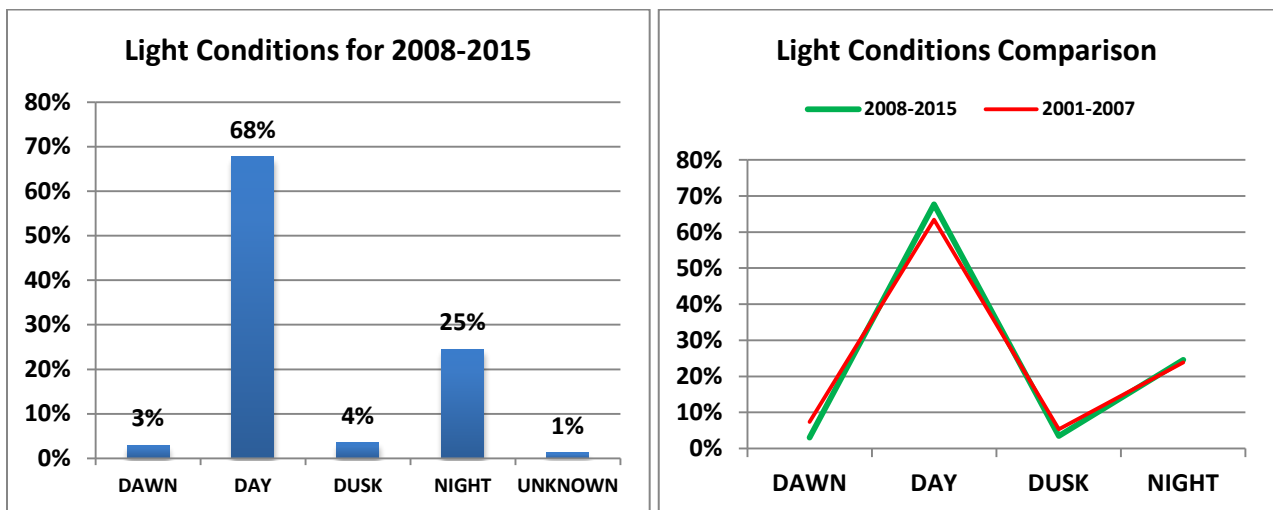


Chart 3: Light Conditions for Wildlife Strikes in 2008-2015 and Comparison

Although wildlife strikes occurred throughout the year, the busiest months are May through October, as illustrated in Chart 4. The months with the least reported number of wildlife strikes are January and February. August remains to be the month of the highest wildlife strike activity for both of the data periods of 2001 to 2007 and 2008 to 2015, which follow a similar pattern as shown below. This monthly distribution also reflects the fact that the majority of the wildlife strikes were reported by States located in the Northern Hemisphere.

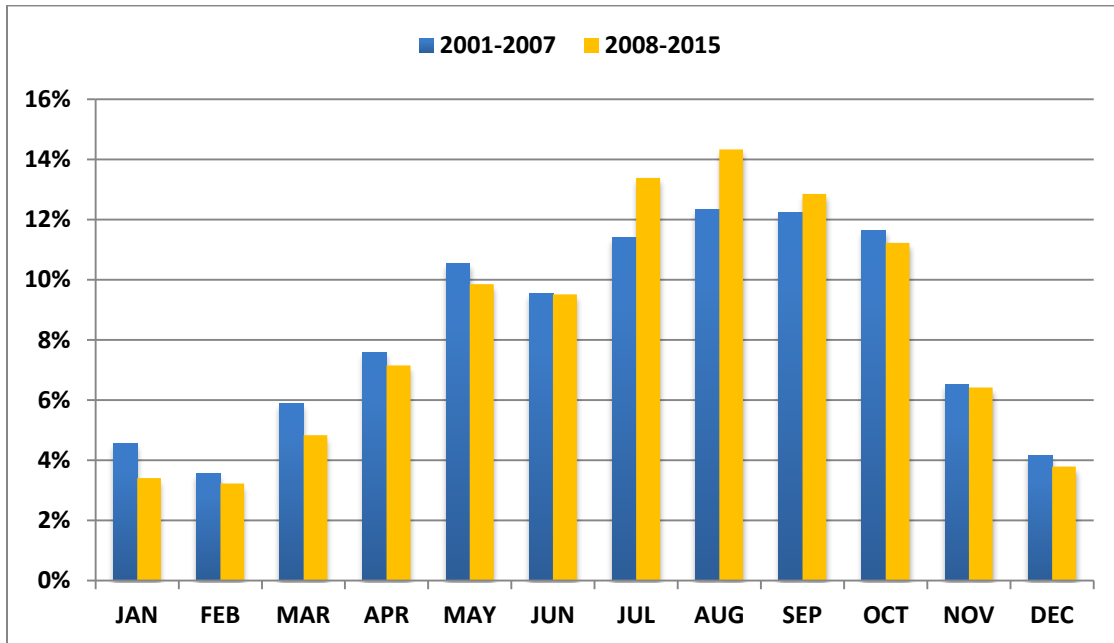
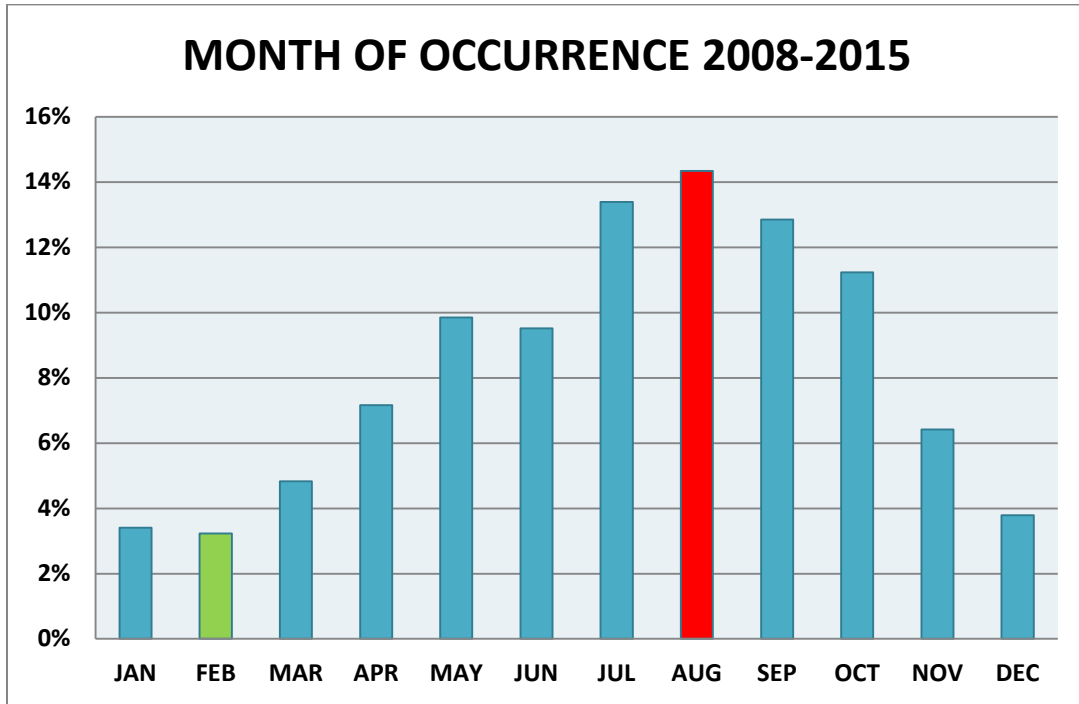


Chart 4 : Strikes reported according to season

2.4 **Where the wildlife strikes occurred:** Chart 5 illustrates that 91 per cent of the strikes for which location data was furnished occurred on or near the aerodrome. 31 per cent of these occurred during the take-off phase while 59 per cent occurred during the approach and landing phase. A similar pattern is followed, as compared with 2001 to 2007 data period.

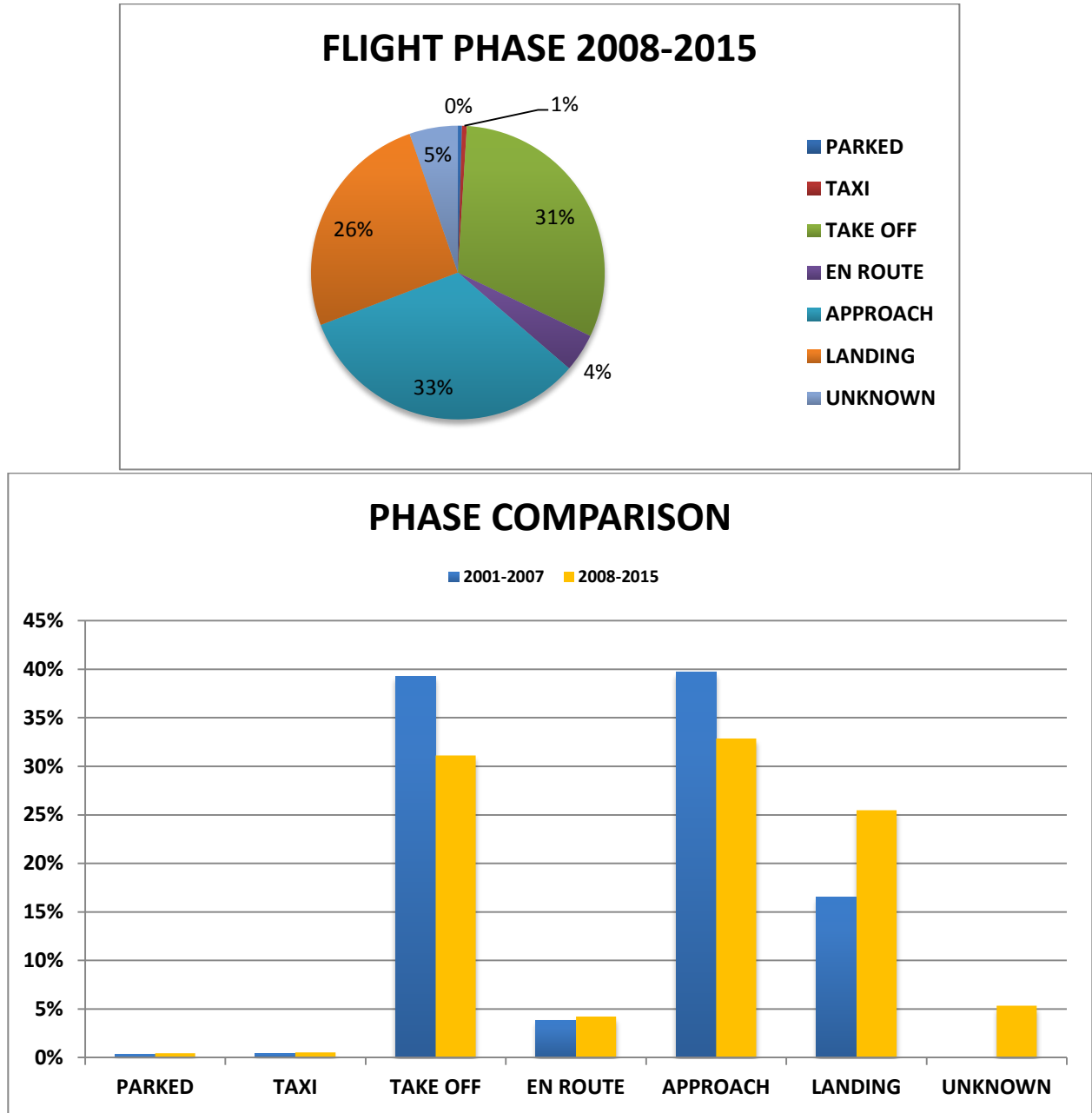


Chart 5: Strikes reported according to flight phase

2.5 **Damage to the aircraft:** The extent of damage to the aircraft was coded for 33 376 wildlife strikes, which is approximately 34 per cent of the total number of strikes reported. Of the wildlife strikes for which the damage was coded, seventeen aircraft were destroyed, 600 caused substantial damage to the

aircraft, 1 874 caused minor damage and 30 817 or approximately 92 per cent caused no appreciable damage.

2.6 **Wildlife types most frequently struck:** The wildlife type was reported in 47 748 cases. Most frequently struck species were: American Mourning Dove with 2 634 strikes which represents 6 per cent, then Barn Swallow with 2 592 strikes or 5.4 per cent, Gulls with 2 128 strikes or 4.5 per cent, Eurasian Kestrel with 1 923 strikes or 4 per cent and Killdeer with 1 773 strikes or 3.7 per cent. Mammals including bats, and non-flying including hares account for 2 378 or 5 per cent of total known occurrences. The percentages of wildlife types struck are shown in Chart 6.

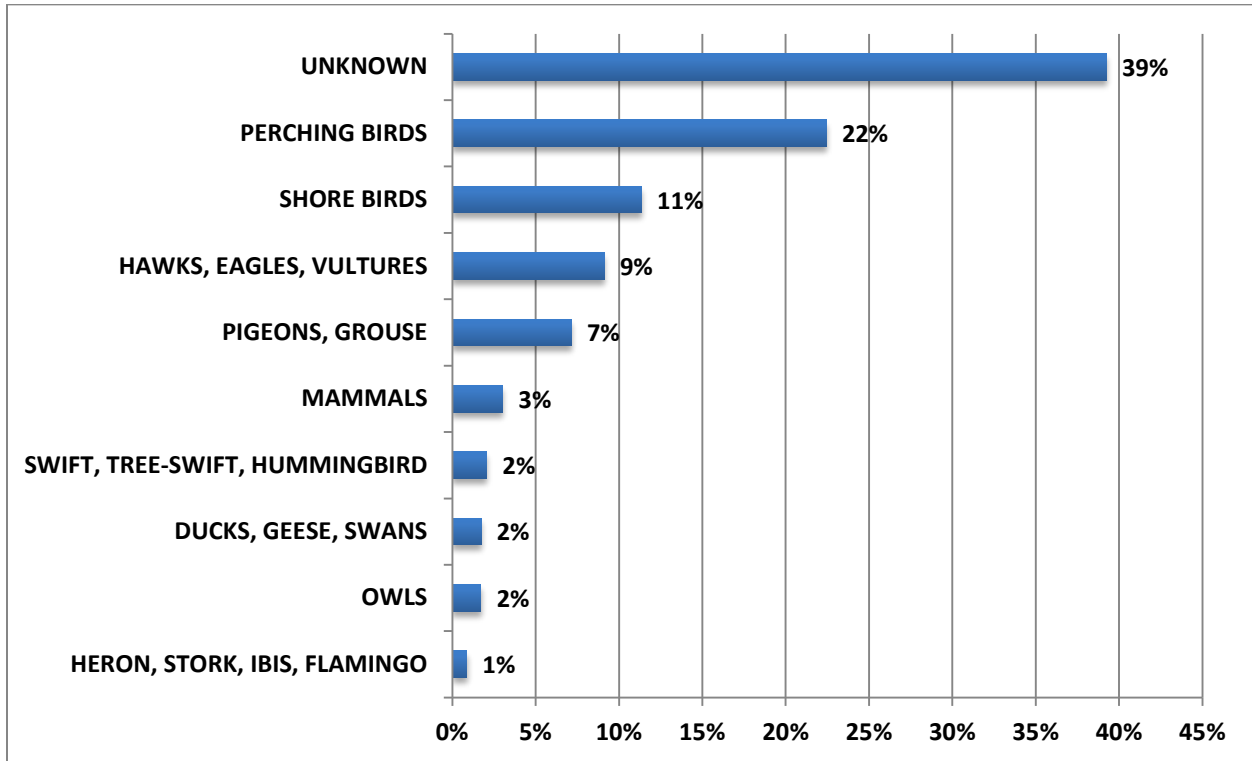


Chart 6: Comparison between wildlife struck among species

2.7 **Effects of the wildlife strike on flight:** The effect of the wildlife strike on the flight was reported 12 227 times. Out of those, 2 501 had a clear indication of an effect on the flight, while the rest had no effect or no clear indication. These 2 501 cases represent 20 per cent of the total number in which the effects were reported. There were 1 230 precautionary landings, which account for the highest number of effects. The effects also include 513 cases of aborted take offs and 63 cases of engine(s) being shut down. The other category includes but is not limited to flight delay, declaring technical emergency and aircraft return. Delayed flights were reported 211 times followed by declaring technical emergency 54 times and aircraft forced to return 137 times. Chart 7 shows the percentages of different effects of wildlife strikes on flights.

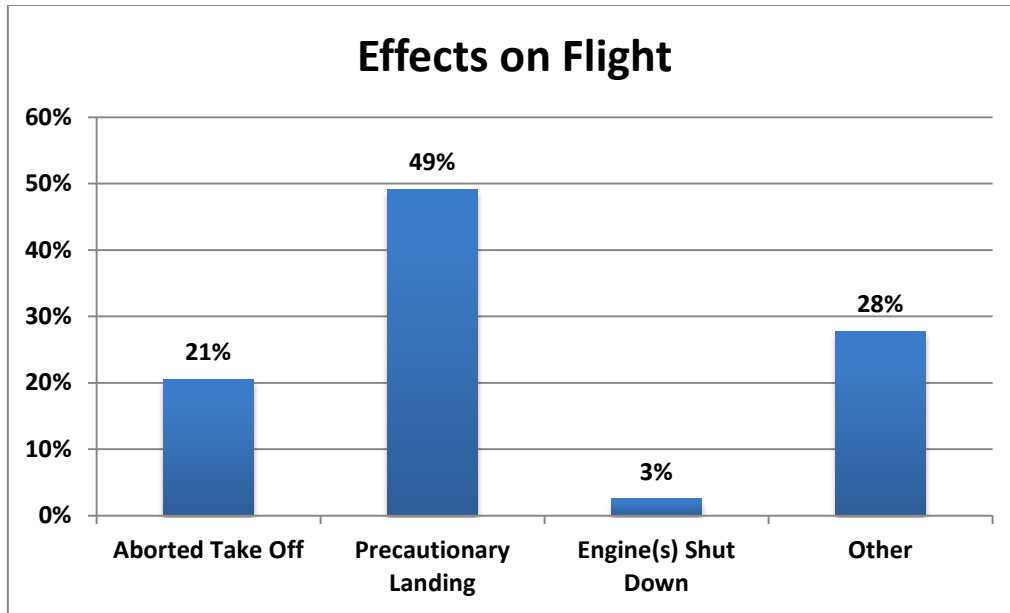


Chart 7: Effects on Flight

2.8 ***Parts of Aircraft Struck and/or Damaged:*** Parts of aircraft struck were reported 56,093 times. A 44 per cent increase compared to previous period of 2001 to 2007. The part struck most, as reported, remains to be the Windshield, with 8 296 strikes followed by the Wings with 7 955 strikes and then by the nose with 7 756 strikes. The following illustrations show the percentages of the parts struck by wildlife. Chart 8 illustrates the percentages of parts struck by wildlife. Chart 9 illustrates the percentages of the parts damaged by wildlife strikes. Chart 10 illustrates the comparison between the parts struck and the parts damaged by wildlife strikes.

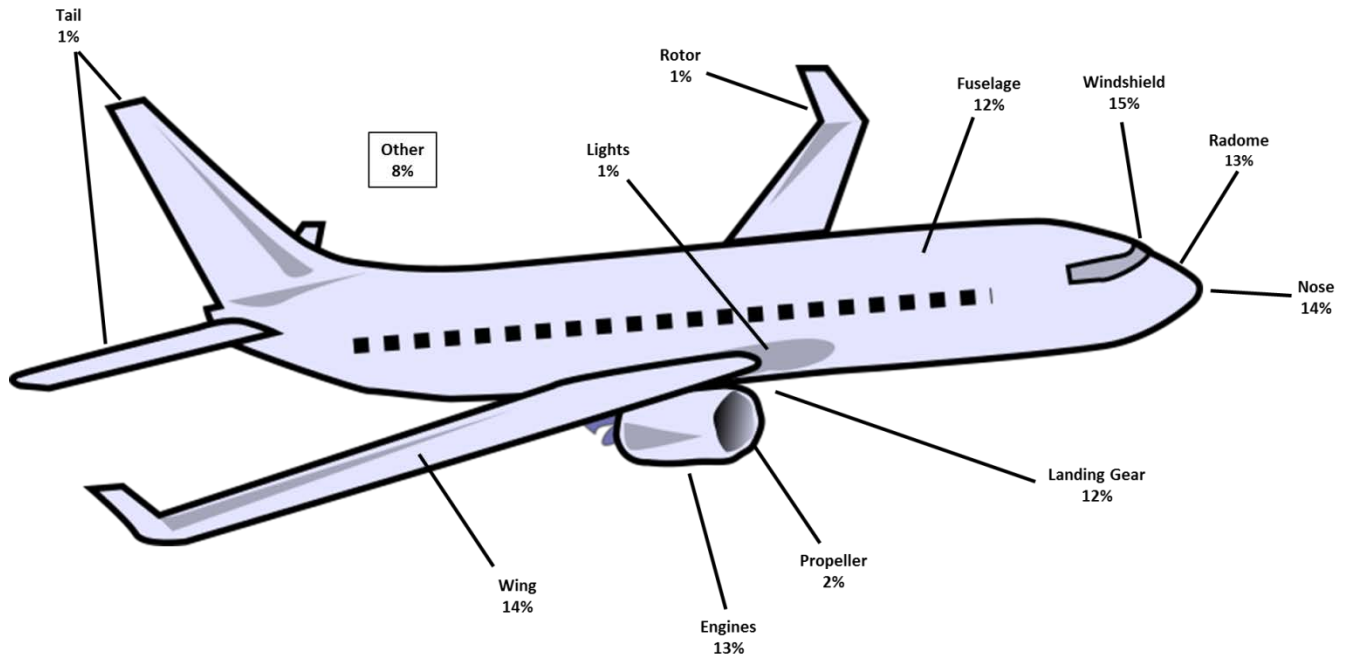


Chart 8: Parts of Aircraft Struck

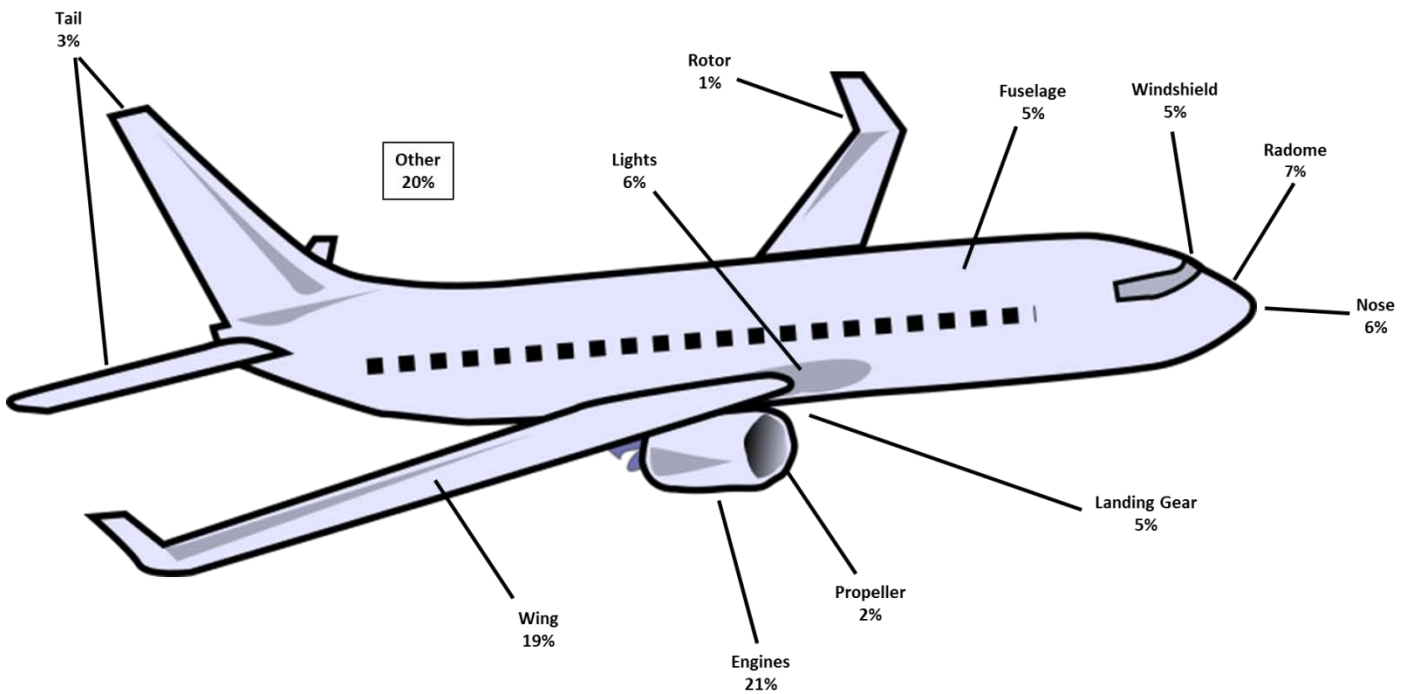


Chart 9: Parts of Aircraft Damage

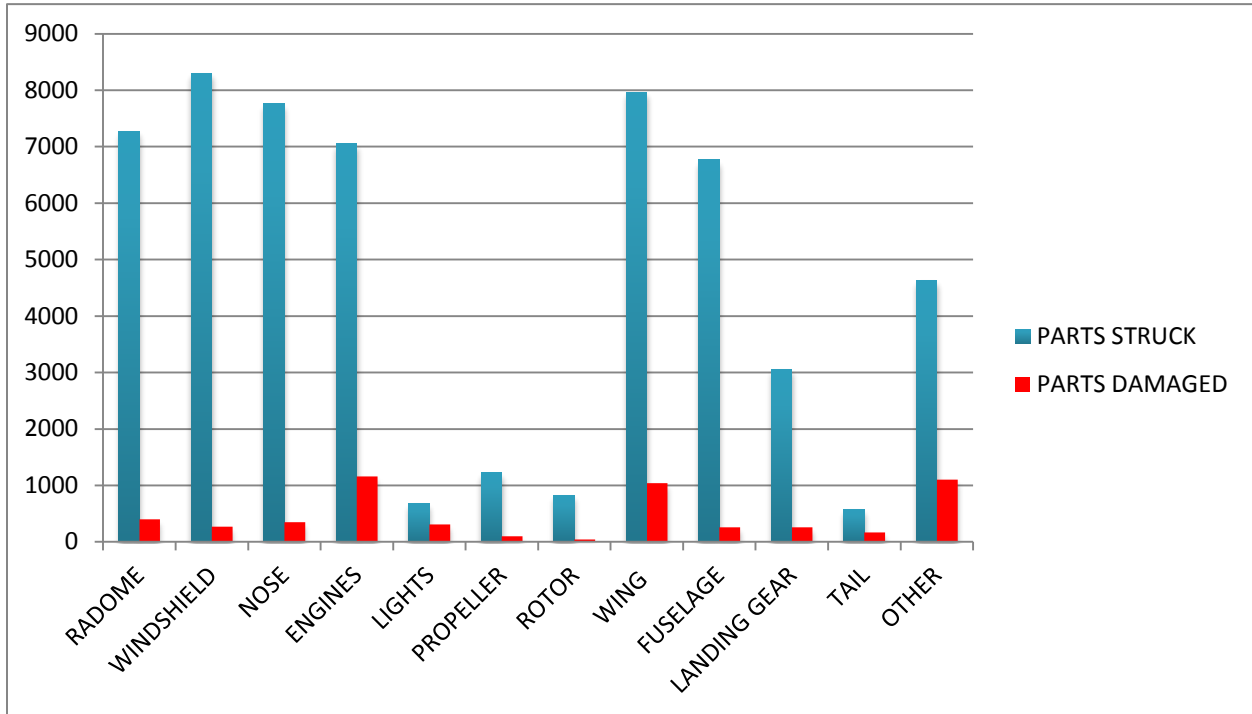


Chart 10: Comparison with Parts of Aircraft Damage and Struck

2.9 Table 1 below provides a brief summary of wildlife strike characteristics for the data periods of 2001 to 2007 and 2008 to 2015.

| Data Comparison 2001-2007 to 2008-2015 | | |
|---|------------------|------------------|
| | <i>2001-2007</i> | <i>2008-2015</i> |
| No. of States Reporting | 51 | 91 |
| No. of States/Territories of Occurrence | 145 | 105 |
| No. of Strikes | 42 508 | 97 751 |
| Day Time Strikes | 63% | 68% |
| Night Time Strikes | 24% | 25% |
| Peak Month Activity | 12% (August) | 14% (August) |
| Strikes during Takeoff | 39% | 31% |
| Strikes during Approach | 40% | 33% |
| Strikes during Landing | 17% | 26% |

Table 1: Data Comparison

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IBIS WORLD BIRD STRIKE STATISTICS 2008-2015

| | TOTAL | 1-2-2C | A-I | J-N | O-X | Y-Z | Unknown/Others |
|----------------------------|--------------|---------------|------------|------------|------------|------------|-----------------------|
| MONTH OF OCCURRENCE | | | | | | | |
| JAN | 2681 | 106 | 155 | 782 | 286 | 412 | 940 |
| FEB | 2539 | 109 | 149 | 646 | 261 | 427 | 947 |
| MAR | 3797 | 163 | 207 | 1013 | 289 | 615 | 1510 |
| APR | 5628 | 164 | 225 | 1248 | 483 | 969 | 2539 |
| MAY | 7748 | 196 | 286 | 1300 | 874 | 1774 | 3318 |
| JUN | 7480 | 240 | 330 | 1253 | 1176 | 1983 | 2498 |
| JUL | 10527 | 301 | 375 | 2195 | 1297 | 2861 | 3498 |
| AUG | 11272 | 372 | 464 | 2344 | 1344 | 2777 | 3971 |
| SEP | 10105 | 288 | 390 | 2068 | 1115 | 1862 | 4382 |
| OCT | 8829 | 227 | 311 | 1914 | 713 | 1645 | 4019 |
| NOV | 5044 | 157 | 215 | 1152 | 529 | 893 | 2098 |
| DEC | 2980 | 105 | 163 | 832 | 333 | 420 | 1127 |
| LIGHT CONDITIONS | | | | | | | |
| DAWN | 1413 | 43 | 20 | 371 | 159 | 203 | 617 |
| DAY | 31809 | 240 | 376 | 7053 | 3218 | 7246 | 13676 |
| DUSK | 1648 | 63 | 16 | 359 | 185 | 260 | 765 |
| NIGHT | 11542 | 610 | 99 | 1303 | 719 | 796 | 8015 |
| UNKNOWN | 579 | 10 | 5 | 86 | 41 | 99 | 338 |
| FLIGHT PHASE | | | | | | | |
| PARKE D | 250 | 4 | 4 | 28 | 21 | 16 | 177 |
| TAXI | 298 | 47 | 11 | 66 | 31 | 39 | 104 |
| TAKE OFF | 17346 | 307 | 243 | 3605 | 1789 | 3226 | 8176 |
| EN ROUTE | 2350 | 27 | 31 | 370 | 68 | 263 | 1591 |
| APPROACH | 18320 | 188 | 161 | 2714 | 979 | 2688 | 11590 |
| LANDING | 14204 | 507 | 133 | 3227 | 1625 | 3386 | 5326 |
| UNKNOWN | 2969 | 146 | 19 | 1020 | 622 | 646 | 516 |
| PARTS STRUCK | | | | | | | |
| RADOME | 7274 | 78 | 47 | 892 | 475 | 1432 | 4350 |

IBIS WORLD BIRD STRIKE STATISTICS 2008-2015

| | TOTAL | 1-2-2C | A-I | J-N | O-X | Y-Z | Unknown/Others |
|-----------------------|-------|--------|-----|------|------|------|----------------|
| WINDSHIELD | 8296 | 72 | 78 | 991 | 578 | 1762 | 4815 |
| NOSE | 7756 | 77 | 63 | 1087 | 569 | 1661 | 4299 |
| ENGINES | 7047 | 61 | 130 | 1671 | 585 | 1120 | 3480 |
| LIGHTS | 688 | 18 | 7 | 116 | 39 | 127 | 381 |
| PROPELLER | 1220 | 57 | 29 | 414 | 159 | 189 | 372 |
| ROTOR | 817 | 7 | 19 | 134 | 30 | 134 | 493 |
| WING | 7955 | 134 | 102 | 1778 | 540 | 1401 | 4000 |
| FUSELAGE | 6764 | 67 | 63 | 1149 | 500 | 1121 | 3864 |
| LANDING GEAR | 3061 | 455 | 43 | 1001 | 314 | 424 | 824 |
| TAIL | 581 | 15 | 21 | 182 | 36 | 67 | 260 |
| OTHER | 4634 | 60 | 77 | 922 | 507 | 1222 | 1846 |
| PARTS DAMAGED | | | | | | | |
| RADOME | 396 | 1 | 12 | 132 | 27 | 28 | 196 |
| WINDSHIELD | 269 | 3 | 25 | 106 | 11 | 16 | 108 |
| NOSE | 350 | 15 | 19 | 143 | 22 | 16 | 135 |
| ENGINES | 1160 | 24 | 46 | 470 | 116 | 74 | 430 |
| LIGHTS | 309 | 8 | 5 | 84 | 23 | 42 | 147 |
| PROPELLER | 99 | 40 | 3 | 27 | 3 | 5 | 21 |
| ROTOR | 41 | 1 | 2 | 14 | 0 | 1 | 23 |
| WING | 1039 | 57 | 24 | 444 | 57 | 49 | 408 |
| FUSELAGE | 258 | 21 | 16 | 108 | 14 | 16 | 83 |
| LANDING GEAR | 255 | 78 | 10 | 93 | 16 | 7 | 51 |
| TAIL | 168 | 15 | 9 | 63 | 3 | 8 | 70 |
| OTHER | 1104 | 38 | 25 | 276 | 76 | 192 | 497 |
| HEIGHT (FT) | | | | | | | |
| 0-1000 | 28886 | 627 | 355 | 5668 | 2969 | 6094 | 13173 |
| 1001-2500 | 3458 | 22 | 30 | 486 | 124 | 315 | 2481 |
| ABOVE 2500 | 3542 | 31 | 27 | 311 | 78 | 348 | 2747 |
| SPEED IAS (KT) | | | | | | | |
| 0-150 | 18377 | 294 | 209 | 3584 | 1473 | 3561 | 9256 |
| 151-250 | 5859 | 48 | 51 | 670 | 214 | 651 | 4225 |
| ABOVE 250 | 160 | 2 | 2 | 28 | 3 | 8 | 117 |
| PILOT WARNED | | | | | | | |
| NO | 22364 | 372 | 214 | 4106 | 1645 | 3368 | 12659 |
| UNKNOWN | 876 | 13 | 10 | 112 | 48 | 98 | 595 |
| YES | 12199 | 194 | 191 | 2730 | 1057 | 3164 | 4863 |

IBIS WORLD BIRD STRIKE STATISTICS 2008-2015

| | TOTAL | 1-2-2C | A-I | J-N | O-X | Y-Z | Unknown/Others |
|--------------------|--------------|---------------|------------|------------|------------|------------|-----------------------|
| BIRD SEEN | | | | | | | |
| 1 | 18505 | 423 | 247 | 3755 | 1537 | 3392 | 9151 |
| 11-100 | 2226 | 6 | 39 | 594 | 237 | 658 | 692 |
| 2 TO 10 | 9101 | 96 | 110 | 2155 | 939 | 2013 | 3788 |
| MORE | 963 | 4 | 7 | 61 | 34 | 180 | 677 |
| UNKNOWN | 4143 | 53 | 8 | 597 | 452 | 731 | 2302 |
| BIRD STRUCK | | | | | | | |
| 1 | 58101 | 1841 | 668 | 13152 | 6926 | 12940 | 22574 |
| 11-100 | 416 | 3 | 4 | 91 | 57 | 181 | 80 |
| 2 TO 10 | 7681 | 89 | 73 | 1849 | 1006 | 2356 | 2308 |
| MORE | 18 | 0 | 0 | 0 | 1 | 12 | 5 |
| UNKNOWN | 2377 | 26 | 1 | 177 | 75 | 134 | 1964 |

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LIST OF BIRD TYPES FOR THE YEARS 2008 - 2015

| CODE | SCIENTIFIC NAME | ENGLISH NAME | NUMBER OF CASES |
|-------------|------------------------|-----------------------------|------------------------|
| 1 | MAMMALIA | MAMMALS | 2295 |
| 1 | MAMMALIA | MAMMALS | 48 |
| 1A1 | DIDELPHUS VIRGINIANU | OPOSSUM | 81 |
| 1B1 | DASYPUS NOVEMCINCTUS | ARMADILLO | 11 |
| 1C | CHIROPTERA | BATS | 144 |
| 1C1 | MEGACHIROPTERA | OLD WORLD FRUIT BATS | 7 |
| 1C2 | MICROCHIROPTERA | ECHO LOCATING BATS | 247 |
| 1C21 | LASIURUS BOREALIS | RED BAT | 35 |
| 1C22 | TADARIDA BRASILIENSI | BRAZILIAN FREE-TAILED BAT | 92 |
| 1C23 | LASIURUS CINEREUS | HOARY BAT | 13 |
| 1C25 | MYOTIS LUCIFUGUS | LITTLE BROWN BAT | 30 |
| 1C26 | EPTESICUS FUSCUS | BIG BROWN BAT | 27 |
| 1C27 | LASIONYCTERIS NOCT. | SILVER-HAIRED BAT | 17 |
| 1D | LAGOMORPHA | LAGOMORPHS (RABBITS, HARES) | 1 |
| 1D1 | SILVILAGUS SPP | HARES | 358 |
| 1D11 | LEPUS SPP | BLACK-TAILED JACKRABBIT | 160 |
| 1D2 | LAPORIDAE | RABBITS | 160 |
| 1D21 | SYLVILAGUS FLORIDANU | EASTERN COTTON TAIL RABBIT | 15 |
| 1E | RODENTIA | RODENTS | 4 |
| 1E3 | SCURIDAE | SQUIRRELS | 1 |
| 1E31 | CYNOMYS SP | PRAIRIE DOG | 42 |
| 1E32 | MARMOTA MONAX | WOODCHUCK | 37 |
| 1E41 | CASTOR CANADENSIS | AMERICAN BEAVER | 2 |
| 1E52 | ONDATRA ZIBETHICUS | MUSKRAT | 11 |
| 1E6 | MURIDAE | OLD WORLD RATS | 2 |
| 1E7 | ERETHIZONTIDAE | NEW WORLD PORCUPINES | 3 |
| 1E71 | ERETHIZON DORSATUM | NORTH AMERICAN PORCUPINE | 1 |
| 1E8101 | MYOCASTOR COYPUS | NUTRIA | 1 |
| 1F11 | CANIS LATRANS | COYOTE | 148 |
| 1F12 | CANIS FAMILIARIS | DOMESTIC DOG | 44 |
| 1F13 | CANIDAE (FOXES) | FOX | 113 |
| 1F131 | VULPES FULVA | RED FOX | 66 |
| 1F132 | UROCYON CINEREOARGEN | COMMON GRAY FOX | 4 |
| 1F31 | PROCYON LOTOR | RACCOON | 36 |

D-2

| | | | |
|----------|--------------------------|---------------------------------------|-----------|
| 1F4 | MEPHITIDAE | SKUNKS | 31 |
| 1F41 | MEPHITIS MEPHITIS | STRIPED SKUNK | 135 |
| 1F5 | MUSTLIDAE | MUSTELIDS | 4 |
| 1F52 | TAXIDEA TAXUS | BADGER | 5 |
| 1F6 | FELIDAE | CATS | 9 |
| 1F61 | FELIS SILVESTRIS | HOUSE CAT | 12 |
| 1F7 | HERPESTIDAE | CIVETS (MONGOOSES) | 1 |
| 1G1 | ODOCOILEUS | DEER | 8 |
| 1G11 | ODOCOILEUS VIRGINIAN | WHITE-TAILED DEER | 116 |
| 1G12 | ODOCOILEUS HEMIONUS | MULE DEER | 6 |
| 1G2 | CERVIS ELAPHUS | WAPITI (ELK) | 1 |
| 1G51 | BOS TAURUS | CATTLE | 4 |
| 1G51 | BOVIDAE | CATTLE, SHEEP | 1 |
| 1G71 | SUS SCROFA | SWINE (PIGS) | 1 |
| 2 | REPTILIA | REPTILE | 52 |
| 2 | REPTILIA | REPTILE | 1 |
| 2A | CHELONIA | TURTLES | 25 |
| 2A1 | TRIONYX SEROX | FLORIDA SOFT SHELL TURTLE | 1 |
| 2A2 | TERRAPENE CAROLINA | BOX TURTLE | 4 |
| 2A3 | CHELYDRA SERPENTINA | COMMON SNAPPING TURTLE | 5 |
| 2A4 | MALACLEMYS TERRAPIN | DIAMONDBACK TERRAPIN | 12 |
| 2B1 | ALLIGATOR MISSISSIPP | ALLIGATOR | 4 |
| C | APTERYGIFORMES | KIWI | 19 |
| E | GAVIIFORMES | LOONS | 2 |
| E1 | GAVIIDAE | LOON | 5 |
| E1001 | GAVIA IMMER | COMMON LOON | 12 |
| F | PODICIPEDIFORMES | GREBES | 28 |
| F1 | PODICIPEDIDAE | GREBES | 3 |
| F1002 | AECHMO. OCCIDENTALIS | WESTERN GREBE | 7 |
| F1003 | PODILYMBUS PODICEPS | PIED-BILLED GREBE | 13 |
| F1004 | PODICEPS AURITUS | HORNED GREBE | 4 |
| F1005 | PODICEPS GRISEGENA | RED-NECKED GREBE | 1 |
| G | PROCELLARIIFORMES | ALBATROSS, SHEARWATERS, PETREL | 26 |
| G1 | DIOMEDEIDAE | ALBATROSSES | 2 |

| | | | |
|----------|-----------------------|--------------------------------------|------------|
| G1001 | PHOEB. IMMUTABILIS | LAYSAN ALBATROS | 7 |
| G21 | PROCELLARIIDAE | PETRELS | 2 |
| G2101 | PTERODROMA HYPOLEUCA | BONIN PETREL | 7 |
| G2302 | PUFFINUS PACIFICUS | WEDGE-TAILED SHEARWATER | 6 |
| G2303 | PUFFINUS AURICULARIS | TOWNSENDS SHEARWATER | 2 |
| H | PELECANIFORMES | PELICANS, CORMORANTS, BOOBIES | 114 |
| H | PELECANIFORMES | PELICANS, CORMORANTS, BOOBIES | 1 |
| H1 | PHAETHONTIDAE | TROPICBIRDS | 4 |
| H1001 | PHAETHON LEPTURUS | WHITE-TAILED TROPICBIRD | 5 |
| H2002 | PELE. OCCIDENTALIS | BROWN PELICAN | 17 |
| H2003 | PELECANUS ERYTHRORHY | AMERICAN WHITE PELICAN | 9 |
| H4 | PHALACROCORACIDAE | CORMORANTS, SHAGS | 1 |
| H41 | PHALACROCORACIDAE | CORMORANTS | 5 |
| H4101 | PHALACROCORAX CARBO | GREAT CORMORANT | 5 |
| H4105 | PHALA. AURITUS | DOUBLE CRESTED CORMORANT | 48 |
| H4201 | PHALA. ARISTOTELIS | COMMON SHAG | 2 |
| H5101 | ANHINGA ANHINGA | ANHINGA | 10 |
| H6 | FREGATIDAE | FRIGATEBIRDS | 6 |
| H6003 | FREGATA MINOR | GREAT FRIGATEBIRD | 1 |
| I | CICONIIFORMES | HERON, STORK, IBIS, FLAMINGO | 628 |
| I | CICONIIFORMES | HERON, STORK, IBIS, FLAMINGO | 2 |
| I1 | ARDEIDAE | HERONS, BITTERN, EGRETS | 2 |
| I11 | ARDEIDAE | HERONS | 37 |
| I1101 | ARDEA CINEREA | GREY HERON | 57 |
| I1102 | ARDEA HERODIAS | GREAT BLUE HERON | 112 |
| I1103 | ARD. NOVAEHOLLANDIAE | WHITE-FACED HERON | 4 |
| I1105 | NYCTICORAX NYCTICORAX | BLACK-CROWNED NIGHT HERON | 33 |
| I1109 | EGRETTA CAERULEA | LITTLE BLUE HERON | 3 |
| I1110 | BUTORIDES VIRESCENS | GREEN HERON | 7 |
| I1111 | NYCTANASSA VIOLACEA | YELLOW-CROWNED NIGHT-HERON | 14 |
| I12 | ARDEIDAE | BITTERNS | 2 |
| I1202 | BOTAUR. LENTIGINOSUS | AMERICAN BITTERN | 2 |
| I1203 | IXOBRYCJIS SINENSIS | YELLOW BITTERN | 6 |
| I13 | CICONIIFORMES | EGRET | 80 |
| I1301 | BUBULCUS IBIS | CATTLE EGRET | 162 |
| I1302 | EGRETTA ALBA | GREAT EGRET | 27 |
| I1303 | EGRETTA GARZETTA | LITTLE EGRET | 6 |
| I1304 | EGRETTA INTERMEDIA | INTERMEDIATE EGRET | 3 |
| I1305 | EGRETTA SACRA | EASTERN REEF EGRET | 1 |

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| I1306 | EGRETTA THULA | SNOWY EGRET | 13 |
| I5 | CICONIIDAE | STORKS | 20 |
| I5001 | CICONIA CICONIA | WHITE STORK | 4 |
| I5004 | CICONIA NIGRA | BLACK STORK | 3 |
| I5006 | MYCTERIA AMERICANA | WOOD STORK | 6 |
| I6104 | PLEGADIS FALCINELLUS | GLOSSY IBIS | 1 |
| I6106 | EUDOCIMUS ALBUS | AMERICAN WHITE IBIS | 6 |
| I6107 | PLEGADIS CHIHI | WHITE-FACED IBIS | 5 |
| I6203 | AJAIA AJAJA | ROSEATE SPOONBILL | 1 |
| I7 | PHOENICOPTERIDAE | FLAMINGOS | 4 |
| I7001 | PHOENICOPTERUS RUBER | COMMON FLAMINGO | 5 |
| J | ANSERIFORMES | DUCKS, GEESE, SWANS | 1284 |
| J2 | ANATIDAE | DUCKS, GEESE, SWANS | 11 |
| J21 | ANATIDAE | DUCKS | 145 |
| J2102 | TADORNA TADORNA | COMMON SHELDUCK | 2 |
| J2103 | ANAS AMERICANA | AMERICAN WIGEON | 31 |
| J2104 | ANAS ACUTA | NORTHERN PINTAIL | 74 |
| J2106 | ANAS CRECCA | GREEN-WINGED TEAL | 30 |
| J2107 | ANAS DISCORS | BLUE-WINGED TEAL | 11 |
| J2108 | ANAS PENELOPE | EUROPEAN WIGEON | 1 |
| J2109 | ANAS PLATYRHYNCHOS | MALLARD | 303 |
| J2112 | AYTHYA COLLARIS | RING-NECKED DUCK | 11 |
| J2113 | AYTHYA MARILA | GREATER SCAUP | 4 |
| J2114 | AIX SPONSA | AMERICAN WOOD DUCK | 22 |
| J2116 | BUCEPHALA CLANGULA | COMMON GOLDENEYE | 5 |
| J2117 | MERGUS SERRATOR | R. BREAST. MERGANSER | 1 |
| J2118 | LOPHO. CUCULLA | HOODED MERGANSER | 4 |
| J2130 | MERGUS MERGANSER | COMMON MERGANSER | 2 |
| J2131 | ANAS CLYPEATA | SHOVELLER | 32 |
| J2132 | AYTHYA FERINA | COMMON POCHARD | 1 |
| J2134 | ANAS STREPERA | GADWELL | 33 |
| J2136 | AYTHYA VALISINERIA | CANVASBACK DUCK | 6 |
| J2137 | ANAS RUBRIPES | AMERICAN BLACK DUCK | 20 |
| J2138 | ANAS FULVIGULA | MOTTLED DUCK | 12 |
| J2139 | AYTHYA AFFINIS | LESSER SCAUP | 21 |
| J2140 | OXYURA JAMAICENSIS | RUDDY DUCK | 24 |
| J2141 | AYTHYA AMERICANA | REDHEAD | 1 |
| J2142 | BUCEPHALA ALBEOLA | BUFFLEHEAD | 5 |
| J2143 | CLANGULA HYEMALIS | LONG-TAIL DUCK | 3 |
| J2145 | DENDROCYGNA AUTUMN | BLACK-BELIED WHISTLING DUCK | 2 |
| J2146 | ANAS CYANOPTERA | CINNAMON TEAL | 3 |

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| J22 | ANATIDAE | GEESE | 49 |
| J2201 | ANSER ANSER | GREYLAG GOOSE | 15 |
| J2202 | CHEN CAERULESCENS | SNOW GOOSE | 38 |
| J2204 | BRANTA CANADENSIS | CANADA GOOSE | 277 |
| J2208 | ANSER BRANCHYRHYNCHE | PINK-FOOTED GOOSE | 12 |
| J2209 | BRANTA BERNICLA | BRENT GOOSE | 8 |
| J2210 | ANSER ALBIFRONS | G. WHITE-FRONTED GOOSE | 28 |
| J2211 | CHEN CANAGICA | EMPEROR GOOSE | 1 |
| J2212 | CHLOEPHAGA PICTA | UPLAND GOOSE | 4 |
| J23 | ANATIDAE | SWANS | 1 |
| J2302 | CYGNUS OLOR | MUTE SWAN | 25 |
| J2303 | CYGNUS COLUMBIANUS | TUNDRA SWAN | 5 |
| J2305 | CYGNUS BUCCINATOR | TRUMPETER SWAN | 1 |
| K | FALCONIFORMES | HAWKS, EAGLES, VULTURES | 6304 |
| K | FALCONIFORMES | HAWKS, EAGLES, VULTURES | 19 |
| K1 | CATHARTIDAE | NEW WORLD VULTURES | 54 |
| K1001 | CORAGYPS ATRATUS | AMERICAN BLACK VULTURE | 60 |
| K1002 | CATHARTES AURA | TURKEY VULTURE | 196 |
| K2 | PANDIONIDAE | OSPREYS | 1 |
| K2001 | PANDION HALIAETUS | OSPREY | 105 |
| K3 | ACCIPITRIDAE | KITES, EAGLES, HAWKS | 8 |
| K31 | ACCIPITRIDAE | KITES | 52 |
| K3102 | MILVUS MIGRANS | BLACK KITE | 114 |
| K3103 | MILVUS MILVUS | RED KITE | 6 |
| K3104 | HALIASTUR INDUS | BRAHMINY KITE | 2 |
| K3108 | ICTINIA MISSISSIPP. | MISSISSIPPI KITE | 1 |
| K3109 | ELANOIDES FORFICATUS | SWALLOW-TAILED KITE | 1 |
| K32 | ACCIPITRIDAE | EAGLES | 81 |
| K3201 | HAL. LEUCOCEPHALUS | BALD EAGLE | 53 |
| K3204 | ICTINAET. MALAYENSIS | INDIAN BLACK EAGLE | 2 |
| K3206 | AQUILA CHRYSAETOS | GOLDEN EAGLE | 5 |
| K3208 | HIERAETUS MORPHNOIDE | LITTLE EAGLE | 1 |
| K33 | ACCIPITRIDAE | HAWKS | 418 |
| K3301 | ACCIPITER GENTILIS | NORTHERN GOSHAWK | 3 |
| K3302 | BUTEO JAMAICENSIS | RED-TAILED HAWK | 785 |
| K3303 | BUTEO LAGOPUS | ROUGH-LEGGED HAWK | 43 |
| K3304 | BUTEO LINEATUS | RED-SHOULDERED HAWK | 16 |
| K3305 | BUTEO SWAINSONI | SWAINSON'S HAWK | 38 |
| K3307 | ACCIPITER CIRRHOCYPH | COLLARED SPARROWHAWK | 13 |
| K3309 | ACCIPITER NISUS | EUROPEAN SPARROW-HAWK | 20 |
| K3310 | ACCIPITER STRIATUS | SHARP-SHINNED HAWK | 9 |

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| K3311 | ACCIPITER COOPERII | COOPER'S HAWK | 37 |
| K3312 | BUTEO REGALIS | FERRUGINOUS HAWK | 10 |
| K3313 | BUTEO PLATYPTERUS | BROAD-WINGED HAWK | 8 |
| K3314 | PARABUTEO UNICINCTUS | HARRIS'S BAY-WINGED HAWK | 2 |
| K34 | ACCIPITRIDAE | BUZZARD | 43 |
| K3401 | BUTEO BUTEO | COMMON BUZZARD | 317 |
| K3402 | PERNIS APIVORUS | HONEY BUZZARD | 1 |
| K35 | ACCIPITRIDAE | HARRIER | 12 |
| K3501 | CIRCUS AERUGINOSUS | MARSH HARRIER | 10 |
| K3502 | CIRCUS CYANEUS | NORTHERN HARRIER | 46 |
| K3503 | CIRCUS PYGARGUS | MONTAGU'S HARRIER | 3 |
| K3505 | CIRCUS APPROXIMANS | SWAMP HARRIER | 2 |
| K3604 | GYPS BENGALENSIS | INDIAN WHITE-BACKED VULTURE | 1 |
| K5 | FALCONIDAE | FALCONS | 163 |
| K5002 | FALCO PEREGRINUS | PEREGRINE FALCON | 131 |
| K5003 | FALCO RUSTICOLUS | GYRFALCON | 1 |
| K5004 | FALCO SUBBUTEO | NORTHERN HOBBY | 20 |
| K5005 | FALCO COLUMBARIUS | MERLIN | 31 |
| K5009 | POLYBORUS PLANCUS | CRESTED CARACARA | 16 |
| K5011 | MILVAGO CHIMANGO | CHIMANGO | 7 |
| K5012 | MILVAGO CHIMACHIMA | YELLOW-HEADED CARACARA | 2 |
| K5013 | FALCO MEXICANUS | PRAIRIE FALCON | 11 |
| K5102 | FALCO SPARVERIUS | AMERICAN KESTREL | 1616 |
| K5103 | FALCO TINNUNCULUS | EURASIAN KESTREL | 1708 |
| L | GALLIFORMES | CHICKEN-LIKE BIRDS | 209 |
| L | GALLIFORMES | CHICKEN-LIKE BIRDS | 1 |
| L31 | TETRAONIDAE | GROUSE | 4 |
| L3102 | CENTRO. UROPHASIANUS | SAGE GROUSE | 16 |
| L3103 | TYMPANUCHUS PHOSIANE | SHARP-TAILED GROUSE | 3 |
| L32 | TETRAONIDAE | PTARMIGANS | 1 |
| L3201 | LAGOPUS LAGOPUS | WILLOW PTARMIGAN | 3 |
| L4 | PHASIANIDAE | QUAILS, PHEASANTS | 13 |
| L4001 | FRANCO. FRANCOLINUS | BLACK FRANCOLIN | 3 |
| L41 | PHASIANIDAE | QUAILS | 5 |
| L4101 | COLINUS VIRGINIANUS | NORTHERN BOBWHITE | 2 |
| L4102 | COTURNIX COTURNIX | COMMON QUAIL | 2 |
| L4103 | COTURNIX JAPONICA | JAPANESE QUAIL | 2 |
| L42 | PHASIANIDAE | PHEASANTS | 41 |
| L4201 | PHASIANUS COLCHICUS | RING-NECKED PHEASANT | 46 |
| L43 | PHASIANIDAE | PARTRIDGES | 6 |
| L4301 | ALECTORIS RUFA | RED LEGGED PARTRIDGE | 9 |

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| L4302 | PERDIX PERDIX | GRAY PARTRIDGE | 29 |
| L4305 | FRANC. PONDICERIANUS | GREY FRANCOLIN | 2 |
| L5 | NUMIDIDAE | GUINEAFOWLS | 3 |
| L6001 | MELEAGRIS GALLOPAVO | WILD TURKEY | 18 |
| M | GRUIFORMES | CRANES, RAILS | 205 |
| M4 | GRUIDAE | CRANES | 4 |
| M4001 | GRUS CANADENSIS | SANDHILL CRANE | 35 |
| M7 | RALLIDAE | RAILS | 5 |
| M7001 | PORZANA CAROLINA | SORA | 20 |
| M7003 | GALLINULA CHLOROPUS | COMMON MOORHEN | 6 |
| M7005 | FULICA AMERICANA | AMERICAN COOT | 86 |
| M7008 | GALLINULA VENTRALIS | BLACK-TAILED NATIVE-HEN | 1 |
| M7010 | FULICA ATRA | EURASIAN COOT | 2 |
| M7012 | PORPHYRIO MARTINICA | PURPLE GALLINULE | 1 |
| M7013 | RALLUS LIMICOLA | VIRGINIA RAIL | 4 |
| M7014 | RALLUS LONGIROSTRIS | CLAPPER RAIL | 2 |
| MC | OTIDIDAE | BUSTARDS | 5 |
| MC002 | OTIS TETRAX | LITTLE BUSTARD | 34 |
| N | CHARADRIIFORMES | SHORE BIRDS | 8288 |
| N | CHARADRIIFORMES | SHORE BIRDS | 4 |
| N4001 | HAEMAT. OSTRALEGUS | OYSTERCATCHER | 29 |
| N5 | CHARADRIIDAE | PLOVERS, LAPWINGS | 2 |
| N5103 | PLUVIALIS APRICARIA | GREATER GOLD. PLOVER | 57 |
| N5104 | PLUVIALIS DOMINICA | LESSER GOLDEN PLOVER | 76 |
| N5105 | PLUVIALIS SQUATAROLA | BLACK-BELLIED PLOVER | 72 |
| N5106 | CHARA. ALEXANDRINUS | SNOWY PLOVER | 2 |
| N5107 | CHARADRIUS DUBIUS | LITTLE RINGED PLOVER | 5 |
| N5108 | CHARADRIUS HIATICULA | COM. RINGED PLOVER | 51 |
| N5111 | CHARA. VOCIFERUS | KILLDEER | 1773 |
| N5113 | CHARADRIUS VEREDUS | ORIENTAL PLOVER | 2 |
| N5115 | VANELLUS SPINOSUS | SPUR-WINGED PLOVER | 4 |
| N5122 | PLUVIALIS FULVA | PACIFIC GOLDEN-PLOVER | 250 |
| N5124 | CHARADRIUS MELODUS | PIPING PLOVER | 1 |
| N52 | CHARADRIIDAE | LAPWINGS | 61 |
| N52 | CHARADRIIDAE | PLOVERS | 38 |
| N5201 | VANELLUS VANELLUS | COMMON LAPWING | 138 |
| N5202 | VANELLUS CINEREUS | GREY-HEADED LAPWING | 1 |
| N5205 | VANELLUS CHILENSIS | SOUTHERN LAPWING | 85 |
| N6 | SCOLOPACIDAE | SANDPIPERS | 72 |

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| N6001 | BARTRAMIA LONGICAUDA | UPLAND SANDPIPER | 87 |
| N6002 | ACTITIS MACULARIA | SPOTTED SANDPIPER | 13 |
| N6006 | CATO. SEMIPALMATUS | WILLETT | 1 |
| N6008 | TRINGA TOTANUS | COMMON REDSHANK | 3 |
| N6009 | GALLINAGO GALLINAGO | COMMON SNIPE | 66 |
| N6010 | SCOLOPAX RUSTICOLA | EURAS. WOODCOCK | 8 |
| N6011 | SCOLOPAX MINOR | AMERICAN WOODCOCK | 30 |
| N6012 | CALIDRIS ACUMINATA | S.-TAILED SANDPIPER | 103 |
| N6013 | CALIDRIS ALPINA | DUNLIN | 34 |
| N6014 | CALIDRIS BAIRDII | BAIRD'S SANDPIPER | 8 |
| N6016 | CALIDRIS MAURI | WESTERN SANDPIPER | 42 |
| N6017 | CALIDRIS MELANOTOS | PECTORAL SANDPIPER | 11 |
| N6019 | CALIDRIS ALBA | SANDERLING | 15 |
| N6020 | TRY. SUBRUFICOLLIS | BUFF-BR. SANDPIPER | 15 |
| N6021 | PHILOMACHUS PUGNAX | RUFF | 1 |
| N6022 | ARENARIA INTERPRES | RUDDY TURNSTONE | 11 |
| N6024 | CALIDRIS MINUTILLA | LEAST SANDPIPER | 49 |
| N6026 | GALLINAGO HARDWICKII | JAPANESE SNIPE | 1 |
| N6028 | CALIDRIS PUSILLA | SEMI-PALMATED PLOVER | 35 |
| N6028 | CALIDRIS PUSILLA | SEMIPALMATED SANDPIPER | 22 |
| N6029 | TRINGA FLAVIPES | LESSER YELLOWLEGS | 7 |
| N6030 | LIMNODROMUS GRISEUS | SHORT-BILLED DOWITCHER | 9 |
| N6031 | LIMOSA HAEMASTICA | HUDSONIAN GODWIT | 4 |
| N6032 | TRINGA SOLITARIA | SOLITARY SANDPIPER | 1 |
| N6033 | TRINGA MELANOLEUCA | GREATER YELLOWLEGS | 2 |
| N6035 | CALIDRIS CANUTUS | RED KNOT | 3 |
| N6036 | CALIDRIS FUSCICOLLIS | WHITE-RUMPED SANDPIPER | 6 |
| N6101 | NUMENIUS ARQUATA | EUROPEAN CURLEW | 35 |
| N6103 | NUMENIUS PHAEOPUS | WHIMBREL | 11 |
| N6104 | NUMENIUS AMERICANUS | LONG-BILLED CURLEW | 3 |
| N7 | PHALAROPODIDAE | PHALAROPES | 10 |
| N8102 | RECURVIROSTRA AVOSET | PIED AVOCET | 1 |
| N8103 | RECUVIROSTRA AMERICA | AMERICAN AVOCET | 2 |
| N82 | RECURVIROSTRIDAE | AVOCETS | 1 |
| N82 | RECURVIROSTRIDAE | STILTS | 2 |
| N8203 | HIMANTOPUS MEXICANUS | BLACK-NECKED STILT | 4 |
| N9 | BURHINIDAE | CURLEW | 15 |
| N9 | BURHINIDAE | STONE CURLEWS | 210 |
| N9002 | BURHINUS OEDICNEMUS | EURAS. STONE CURLEW | 35 |
| NA2 | GLAREOLIDAE | PRATINCOLES | 1 |
| NA201 | GLAREOLA MALDIVARUM | ORIENTAL PRATINCOLE | 2 |
| ND2 | STERCORARIIDAE | JAEGERS | 2 |
| ND201 | STER. PARASITICUS | PARASITIC JAEGER | 4 |

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| NE | LARIDAE | GULLS, TERNS | 2 |
| NE101 | LARUS ARGENTATUS | HERRING GULL | 609 |
| NE102 | LARUS CANUS | MEW GULL | 282 |
| NE104 | LARUS DELAWARENSIS | RING-BILLED GULL | 458 |
| NE106 | LARUS GLAUDESCENS | GLAUCOUS-WINGED GULL | 57 |
| NE107 | LARUS GLAUROIDES | ICELAND GULL | 1 |
| NE108 | LARUS MARINUS | G. BLACK-BACKED GULL | 42 |
| NE109 | LARUS MELANOCEPHALUS | MEDITERRANEAN GULL | 3 |
| NE112 | LARUS PIPIXCAN | FRANKLIN'S GULL | 56 |
| NE114 | LARUS ATRICILLA | LAUGHING GULL | 105 |
| NE115 | LARUS PHILADELPHIA | BONAPARTE'S GULL | 13 |
| NE117 | LARUS FUSCUS | LESS BL-BACKED GULL | 95 |
| NE118 | LARUS DOMINICANUS | KELP GULL | 8 |
| NE120 | LARUS OCCIDENTALIS | WESTERN GULL | 44 |
| NE121 | LARUS CALIFORNICUS | CALIFORNIA GULL | 81 |
| NE136 | LARUS RIDIBUNDUS | BLACK-HEADED GULL | 488 |
| NE138 | LARUS CACHINNAS | YELLOW-LEGGED GULL | 184 |
| NE2 | LARIDAE | GULLS | 2047 |
| NE2 | LARIDAE | TERNs | 7 |
| NE202 | STERNA ALBIFRONS | LITTLE TERN | 1 |
| NE203 | HYDROPROGNE CASPIA | CASPIAN TERN | 4 |
| NE204 | STERNA HIRUNDO | COMMON TERN | 6 |
| NE205 | STERNA SANDVICENSIS | SANDWICH TERN | 1 |
| NE207 | STERNA NILOTICA | GULL-BILLED TERN | 3 |
| NE209 | CHLIDONIAS NIGER | BLACK TERN | 1 |
| NE210 | STERNA NERENSIS | FAIRY TERN | 2 |
| NE213 | CYGIS ALBA | WHITE TERN | 6 |
| NE214 | STERNA PARADISAEA | ARCTIC TERN | 3 |
| NE215 | STERNA DOUGALLII | ROSEATE TERN | 1 |
| NE216 | STERNA FORSTERI | FORSTER'S TERN | 5 |
| NE217 | STERNA ANTILLARUM | LEAST TERN | 11 |
| NE219 | ANOUS STOLIDUS | BROWN NODDY | 3 |
| NE220 | STERNA MAXIMA | ROYAL TERN | 1 |
| NE221 | STERNA FUSCATA | SOOTY TERN | 2 |
| NE301 | RISSA TRIDACTYLA | BLACK-LEG. KITTIWAKE | 5 |
| NF101 | RYNCHOPS NIGER | BLACK SKIMMER | 3 |
| O | COLUMBIFORMES | PIGEONS, GROUSE | 5402 |
| O | COLUMBIFORMES | PIGEONS, GROUSE | 5 |
| O1 | PTEROCLIDAE | SANDGROUSE | 5 |
| O2 | COLUMBIDAE | PIGEONS, DOVES | 10 |
| O21 | COLUMBIDAE | PIGEONS | 578 |

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| O2109 | COLUMBA PALUMBUS | COMMON WOOD-PIGEON | 500 |
| O22 | COLUMBIDAE | DOVES | 334 |
| O2201 | COLUMBA LIVIA | COMMON ROCK DOVE | 1101 |
| O2202 | COLUMBA OENAS | COMMON STOCK DOVE | 43 |
| O2203 | STREPT. DECAOCTO | COLLARED DOVE | 8 |
| O2204 | STREPT. TURTUR | COM. TURTLE-DOVE | 7 |
| O2205 | ZENAIDURA MACROURA | AM. MOURNING DOVE | 2634 |
| O2206 | STREPT. ORIENTALIS | RUFIOUS TURTLE DOVE | 4 |
| O2211 | STREPT. CHINENSIS | SPOTTED DOVE | 70 |
| O2212 | GEOPELIA STRIATA | BARRED GROUND DOVE | 72 |
| O2214 | STREPTOP. BITORQUAT | PHILIPPINE TURTLE DOVE | 1 |
| O2215 | ZENAIDA ASIATICA | WHITE-WINGED DOVE | 25 |
| O2216 | STREPTOPELIA LUGENS | DUSKY TURTLE-DOVE | 1 |
| O2217 | ZENAIDA AURICULATA | EARED DOVE | 4 |
| P | PSITTACIFORMES | PARROT, MACAW, PARAKEET, LORIE | 17 |
| P0004 | MELOP. UNDULATUS | BUDGERIGAR | 6 |
| P1 | PSITTACIDAE | PARROT, MACAW, PARAKEET, LORIE | 1 |
| P11 | PSITTACHIFORMES | PARROTS | 1 |
| P14 | PSITTACIDAE | LORIES | 9 |
| Q | CUCULIFORMES | CUCKOOS | 31 |
| Q21 | CUCULIDAE | CUCKOOS | 10 |
| Q2101 | COCCYZUS AMERICANUS | YELLOW-BILLED CUCKOO | 14 |
| Q2102 | CUCULUS CANORUS | COMMON CUCKOO | 4 |
| Q2104 | COCCYZUS ERYTHROP | BLACK-BILLED CUCKOO | 1 |
| Q2201 | GEOCOCCYX CALIFORNIA | GREATER ROAD RUNNER | 1 |
| Q23 | CUCULIDAE | COUCALS | 1 |
| R | STRIGIFORMES | OWLS | 1313 |
| R | STRIGIFORMES | OWLS | 120 |
| R11 | TYTONIDAE | BARN OWLS | 52 |
| R1101 | TYTO ALBA | COMMON BARN OWL | 562 |
| R2 | STRIGIDAE | TYPICAL OWLS | 75 |
| R2001 | NYCTEA SCANDIACA | SNOWY OWL | 41 |
| R2002 | ATHENE NOCTUA | LITTLE OWL | 22 |
| R2003 | STRIX ALUCO | TAWNY OWL | 19 |
| R2004 | ASIO FLAMMEUS | SHORT-EARED OWL | 233 |
| R2005 | ASIO OTUS | NORTH. LONG-EARED OWL | 19 |
| R2008 | AEGOLIUS ACADICUS | NORTHERN SAW-WHET OWL | 3 |

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| R2008 | ATHENE CUNICULARIA | BURROWING OWL | 59 |
| R2009 | STRIX VARIA | BARRED OWL | 11 |
| R21 | STRIGIDAE | SCOPS, SCREECH OWLS | 2 |
| R2101 | OTUS ASIO | EASTERN SCREECH OWL | 1 |
| R2201 | BUBO BUBO | EAGLE OWL | 2 |
| R2203 | BUBO VIRGINIANUS | GREAT HORNED OWL | 91 |
| R2303 | SURNIA ULULA | NORTHERN HAWK OWL | 1 |
| S | CAPRIMULGIFORMES | GOATSUCKER NIGHTJAR FROGMOUTH | 226 |
| S | CAPRIMULGIFORMES | GOATSUCKER NIGHTJAR FROGMOUTH | 1 |
| S5001 | CHORDEILES MINOR | COMMON NIGHTHAWK | 200 |
| S5101 | NYCTIDROMUS ALBICOLL | PAURAUQUE | 2 |
| S52 | CAPRIMULGIDAE | NIGHTJARS | 5 |
| S5204 | CAPRIMUL. VOCIFERUS | WHIP-POOR-WILL | 4 |
| S5208 | CAPRIMULGUS EUROPAEU | NIGHTJAR | 2 |
| S5210 | PHALAENOPT NUTTALLI | COMMON POORWILL | 4 |
| S5211 | CHORDEILES ACUTIPEN. | LESSER NIGHTHAWK | 3 |
| S5212 | CAPRIMULGUS CAROLIN. | CHUCK-WILL'S-WIDOW | 5 |
| T | APODIFORMES | SWIFT, TREE-SWIFT, HUMMINGBIRD | 1570 |
| T | APODIFORMES | SWIFT, TREE-SWIFT, HUMMINGBIRD | 4 |
| T1 | APODIDAE | SWIFTS | 477 |
| T1001 | CYPSELOIDES NIGER | BLACK SWIFT | 3 |
| T1002 | CHAETURA PELAGICA | CHIMNEY SWIFT | 179 |
| T1003 | APUS AFFINIS | HOUSE SWIFT | 2 |
| T1005 | APUS PACIFICUS | FORK-TAILED SWIFT | 3 |
| T1006 | APUS APUS | COMMON SWIFT | 861 |
| T1007 | CHAETURA VAUXI | VAUX'S SWIFT | 15 |
| T1009 | AERONAUTES SAXATALIS | WHITE-THROATED SWIFT | 13 |
| T3 | TROCHILIDAE | HUMMINGBIRDS | 4 |
| T3001 | ARCHILOCHUS COLUBRIS | RUBY-THROATED HUMMINGBIRD | 5 |
| T3003 | CALYPTE ANNA | ANNA'S HUMMINGBIRD | 4 |
| W | CORACIIFORMES | KINGFISHERS, MOTMOTS, HORNBILL | 24 |
| W | CORACIIFORMES | KINGFISHERS, MOTMOTS, HORNBILL | 2 |
| W1 | ALCEDINIDAE | KINGFISHERS | 1 |
| W1001 | CERYLE ALCYON | BELTED KINGFISHER | 2 |
| W4 | MEROPIDAE | BEE-EATERS | 13 |
| W4002 | MEROPS APIASTER | EUROPEAN BEE-EATER | 3 |
| W8001 | UPUPA EPOPS | HOOPOE | 3 |

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| X | PICIFORMES | WOODPECKERS, TOUCANS, BARBETS | 66 |
| X6 | PICIDAE | WOODPECKERS, PICULETS | 7 |
| X6001 | COLAPTES AURATUS | NORTHERN FLICKER | 37 |
| X6002 | SPHYRAPICUS VARIUS | YELLOW-BELLIED SAPSUCKER | 21 |
| X6005 | PICOIDES PUBESCENS | DOWNY WOODPECKER | 1 |
| | | | |
| Y | PASSERIFORMES | PERCHING BIRDS | 15626 |
| Y2 | FURNARIIDAE | OVENBIRDS, HORNEROS, SPINETAIL | 1 |
| Y9 | TYRANNIDAE | TYRANT FLY CATCHERS | 33 |
| Y9003 | MYIARCHUS CRINITUS | GREAT CRESTED FLYCATCHER | 4 |
| Y9004 | TYRANNUS TYRANNUS | EASTERN KINGBIRD | 11 |
| Y9005 | MUSCIVORA FORFICATA | SCISSOR-TAILED FLYCATCHER | 81 |
| Y9007 | SAYORNIS SAYA | SAY'S PHOEBE | 3 |
| Y9008 | TYRANNUS VERTICALIS | WESTERN KINGBIRD | 98 |
| Y9011 | CONTOPUS SORDIDULUS | WESTERN WOOD-PEWEE | 1 |
| Y9013 | SAYORNIS PHOEBE | EASTERN PHOEBE | 4 |
| YH | ALAUDIDAE | LARKS | 27 |
| YH001 | GALERIDA CRISTATA | CRESTED LARK | 4 |
| YH003 | ALAUDA GULGULA | SMALL SKYLARK | 1 |
| YH004 | EREMOPHILA ALPESTRIS | HORNED LARK | 1458 |
| YH007 | ALAUDA ARVENSIS | EURASIAN SKYLARK | 506 |
| YH007 | ALAUDA ARVENSIS | SKYLARK | 119 |
| YI | HIRUNDINIDAE | SWALLOWS | 1291 |
| YI001 | PROGNE SUBIS | PURPLE MARTIN | 66 |
| YI003 | RIPARIA RIPARIA | BANK SWALLOW | 414 |
| YI005 | HIRUNDO RUSTICA | BARN SWALLOW | 2397 |
| YI008 | DELICHON URBICA | HOUSE MARTIN | 190 |
| YI009 | HIRUNDO PYRRHONOTA | CLIFF SWALLOW | 544 |
| YI010 | TACHYCINETA BICOLOR | TREE SWALLOW | 255 |
| YI011 | THACHY. THALASSINA | VIOLET-GREEN SWALLOW | 7 |
| YI012 | STELGID. SERRIPENNIS | NORTH. ROUGH-WINGED SWALLOW | 17 |
| YJ | DICRURIDAE | DRONGOS | 8 |
| YL | STURNIDAE | MYNA | 7 |
| YL | STURNIDAE | STARLINGS | 104 |
| YL001 | STURNUS VULGARIS | EUROPEAN STARLING | 1364 |
| YL101 | ACRIDOTHERES TRISTIS | COMMON MYNA | 41 |
| YM | CORVIDAE | CROWS | 173 |
| YM | CORVIDAE | CROWS, JAYS, MAGPIES | 15 |
| YM | CORVIDAE | JAYS | 1 |
| YM | CORVIDAE | MAGPIE | 14 |
| YM | CORVIDAE | RAVENS | 2 |
| YM002 | CORVUS FRUGILEGUS | ROOK | 54 |

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| YM003 | CORVUS MONEDULA | COMMON JACKDAW | 9 |
| YM102 | CORV. BRACHYRHYNCHOS | AMERICAN CROW | 98 |
| YM103 | CORVUS CORONE | CARRION CROW | 132 |
| YM104 | CORV. CORONE CORNIX | HOODED CROW | 14 |
| YM108 | CORVUS CAURINUS | NORTHWESTERN CROW | 5 |
| YM201 | CYANOCITTA CRISTATA | BLUE JAY | 8 |
| YM202 | GARRULUS GLANDARIUS | COMMON JAY | 3 |
| YM301 | CORVUS CORAX | COMMON RAVEN | 13 |
| YM401 | PICA PICA | EUROPEAN MAGPIE | 43 |
| YM403 | PICA HUDSONIA | AMERICAN MAGPIE | 1 |
| YN | CRACTICIDAE | BELL MAGPIE,BUTCHERBIRD,CURRAW | 2 |
| YO002 | CORCORAX MELANORHAMP | WHITE WINGED CHOUGH | 1 |
| YR | PARIDAE | CHICKADEES | 4 |
| YR | PARIDAE | TITMICE, CHICKADEES | 3 |
| YR201 | POECILE ATRICAPILLA | BLACK-CAPPED CHICKADEE | 8 |
| YS1 | SITTIDAE | NUTHATCHES | 1 |
| Z | PASSERIFORMES | PERCHING BIRDS | 238 |
| Z1 | PYCNONOTIDAE | BULBULS | 2 |
| Z1001 | PYCNONTUS CAFER | RED-VENTED BULBUL | 11 |
| Z4 | TROGLODYTIDAE | WRENS | 21 |
| Z4001 | CISTOTHOR.PALUSTRIS | MARSH WREN | 7 |
| Z4003 | TROGLODYTES AEDON | HOUSE WREN | 14 |
| Z4004 | THRYOTHORUS LUDOVICA | CAROLINA WREN | 2 |
| Z51 | MIMIDAE | THRASHERS | 1 |
| Z5101 | TOXOSTOMA RUFUM | BROWN THRASHER | 3 |
| Z52 | MIMIDAE | MOCKINGBIRDS | 1 |
| Z5201 | MIMUS POLYGLOTTOS | NORTHERN MOCKINGBIRD | 22 |
| Z5301 | DUMETELLA CAROLINESI | GRAY CATBIRD | 32 |
| Z6 | TURDIDAE | THRUSHES | 49 |
| Z6001 | SIALIA MEXICANA | WESTERN BLUEBIRD | 12 |
| Z6002 | SAXICOLA RUBETRA | WHINCHAT | 3 |
| Z6003 | OENANTHE OENANTHE | WHEATEAR | 37 |
| Z6004 | CATHARAS USTULATUS | SWAINSON'S THRUSH | 69 |
| Z6005 | TURDUS ILIACUS | REDWINGED THRUSH | 5 |
| Z6006 | TURDUS MERULA | COMMON BLACKBIRD | 24 |
| Z6007 | TURDUS MIGRATORIUS | AMERICAN ROBIN | 321 |
| Z6008 | TURDUS PHILOMELOS | COMMON SONG THRUSH | 16 |
| Z6009 | TURDUS PILARIS | FIELDFARE | 17 |
| Z6010 | TURDUS VISCIVORUS | MISTLE THRUSH | 8 |
| Z6012 | PHOENICURUS PHOENICU | WHITE-FRONTED REDSTART | 1 |
| Z6013 | SAXICOLA TORQUATUS | STONECHAT | 1 |
| Z6014 | CATHARUS GUTTATUS | HERMIT THRUSH | 41 |
| Z6015 | SIALIA SIALIS | EASTERN BLUEBIRD | 2 |

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| Z6016 | CATHARUS MINIMUS | GRAY-CHEEKED THRUSH | 11 |
| Z6018 | HYLOCICHLA MUSTELIN | WOOD THRUSH | 7 |
| Z6019 | REGULUS SATRAPA | GOLDEN-CROWNED KINGLET | 11 |
| Z8 | SYLVIIDAE | OLD WORLD WARBLERS | 22 |
| Z8003 | SYLVIA ATRICAPILLA | BLACK-CAPPED WARBLER | 1 |
| Z9 | REGULIDAE | KINGLETS | 27 |
| ZA | MUSCICAPIDAE | OLD WORLD FLYCATCHERS | 12 |
| ZB001 | PRUNELLA MODULARIS | DUNNOCK | 1 |
| ZC | MOTACILLIDAE | WAGTAILS, PIPITS | 2 |
| ZC1 | MOTACILLIDAE | PIPITS | 4 |
| ZC1 | MOTACILLIDAE | WAGTAILS | 17 |
| ZC101 | MOTACILLA ALBA | WHITE WAGTAIL | 85 |
| ZC102 | MOTACILLA FLAVA | YELLOW WAGTAIL | 9 |
| ZC202 | AN. NOVAESEELANDIAE | RICHARD'S PIPIT | 8 |
| ZC203 | ANTHUS PRATENSIS | MEADOW PIPIT | 174 |
| ZC204 | ANTHUS SPINOLETTA | WATER PIPIT | 43 |
| ZC205 | ANTHUS SPRAGUEII | SPRAGUE'S PIPIT | 2 |
| ZD101 | BOMBYCILLA GARRULUS | BOHEMIAN WAXWING | 1 |
| ZD102 | BOMBYCILLA CEDRORUM | CEDAR WAXWING | 63 |
| ZF | ARTAMIDAE | WOOD SWALLOWS | 6 |
| ZH | LANIIDAE | SHRIKES | 7 |
| ZH002 | LANIUS LUDOVICAINUS | LOGGERHEAD SHRIKE | 10 |
| ZL | VIREONIDAE | VIREOS | 4 |
| ZL001 | VIREO GRISEUS | WHITE-EYED VIREO | 2 |
| ZL004 | VIREO GILVUS | WARBLING VIREO | 11 |
| ZL005 | VIREO OLIVACEUS | RED-EYED VIREO | 25 |
| ZL006 | VIREO CASSINII | CASSIN'S VIREO | 1 |
| ZQ002 | ZOSTEROPS JAPONICUS | JAPANESE WHITE-EYE | 2 |
| ZS | PARULIDAE | WOOD WARBLERS | 76 |
| ZS001 | WILSONIA CANADENSIS | CANADA WARBLER | 10 |
| ZS003 | DENDROICA PINUS | PINE WARBLER | 7 |
| ZS004 | MNIOTILTA VARIA | BLACK & WHITE WARBLER | 8 |
| ZS005 | PARULA AMERICANA | NORTHERN PARULA WARBLER | 3 |
| ZS006 | SEIURUS AUROCAPILLUS | OVENBIRD | 26 |
| ZS007 | WILSONIA PUSILLA | WILSONS WARBLER | 18 |
| ZS008 | GEOTHLYPIS TRICHAS | COMMON YELLOWTHROAT | 20 |
| ZS009 | DENDROICA CORONATA | YELLOW-RUMPED WARBLER | 54 |
| ZS010 | DENDROICA STRIATA | BLACKPOLL WARBLER | 22 |
| ZS011 | OPORORNIS PHILADELPH | MOURNING WARBLER | 2 |
| ZS012 | SETOPHAGA RUTICILLA | AMERICAN REDSTART | 9 |
| ZS013 | VERMIVORA CELATA | ORANGE-CROWNED WARBLER | 10 |
| ZS014 | DENDROICA PETECHIA | YELLOW WARBLER | 17 |
| ZS015 | DENDROICA TIGRINA | CAPE MAY WARBLER | 1 |

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| ZS018 | SEIURUS NOVEBOR | NORTHERN WATERTHRUSH | 9 |
| ZS019 | VERMIVORA RUFICAP. | NASHVILLE WARBLER | 8 |
| ZS020 | DENDROICA TOWNSENDII | TOWNSENDS WARBLER | 5 |
| ZS022 | CATHARUS FUSCESCENS | VEERY | 9 |
| ZS023 | DENDROICA PALMARUM | PALM WARBLER | 10 |
| ZS024 | DENDROICA FUSCA | BLACKBURNIAN WARBLER | 2 |
| ZT000 | STURNELLA | MEADOWLARK | 250 |
| ZT001 | STURNELLA MAGNA | EASTERN MEADOWLARK | 578 |
| ZT002 | STURNELLA NEGLECTA | WESTERN MEADOWLARK | 416 |
| ZT004 | MOLOTHRUS ATER | BROWN-HEADED COWBIRD | 71 |
| ZT005 | DOLICHO. ORYZIVORU | BOBOLINK | 11 |
| ZT1 | ICTERIDAE | BLACKBIRDS | 217 |
| ZT1 | ICTERIDAE | GRACKLES | 46 |
| ZT1 | ICTERIDAE | ORIOLES | 6 |
| ZT101 | AGELAIUS PHOENICEUS | RED-WINGED BLACKBIRD | 102 |
| ZT102 | XANTHOCEPHALUS XANTH | YELLOW-HEADED BLACKBIRD | 4 |
| ZT103 | EUPHAGUS CYANOCEPHAL | BREWER'S BLACKBIRD | 15 |
| ZT201 | ICTERUS GALBULA | BALTIMORE ORIOLE | 10 |
| ZT301 | QUISCALUS QUISCULA | COMMON GRACKLE | 61 |
| ZT303 | QUISCALUS MAJOR | BOAT-TAILED GRACKLE | 10 |
| ZT304 | QUISCALUS MEXICANUS | GREAT-TAILED GRACKLE | 25 |
| ZU | TERSINIDAE | SWALLOW-TANAGER | 1 |
| ZV001 | PIRANGA OLIVACEA | SCARLET TANAGER | 3 |
| ZV002 | PIRANGA LUDOVICIANA | WESTERN TANAGER | 7 |
| ZX | FRINGILLIDAE | CARDINALS, BUNTINGS, SPARROWS | 8 |
| ZX000 | FRINGILLIDAE | CARDINALS | 5 |
| ZX000 | FRINGILLIDAE | FINCHES | 30 |
| ZX000 | FRINGILLIDAE | SPARROWS | 982 |
| ZX002 | CALCARIUS LAPPONICUS | LAPLAND LONGSPUR | 26 |
| ZX003 | CALCARIUS ORNATUS | CHES.-COLL. LONGSPUR | 1 |
| ZX004 | JUNCO HYEMALIS | DARK-EYED JUNCO | 53 |
| ZX005 | PHEU. LUDOVICIANUS | R.-BREASTED GROSBEAK | 6 |
| ZX006 | FRINGILLA COELEBS | COMMON CHAFFINCH | 7 |
| ZX007 | SERINUS CANARIA | COMMON CANARY | 2 |
| ZX008 | CARDUELIS CARDUELIS | EUROPEAN GOLDFINCH | 9 |
| ZX009 | CARDUELIS CHLORIS | EUROPEAN GREENFINCH | 9 |
| ZX010 | CARDUELIS PINUS | PINE SISKIN | 13 |
| ZX011 | ACANTHIS CANNABINA | EURASIAN LINNET | 27 |
| ZX012 | ACANTHIS FLAMMEA | COMMON REDPOLL | 1 |
| ZX013 | CARPODACUS PURPUREUS | PURPLE FINCH | 2 |
| ZX014 | LOXIA CURVIROSTRA | RED CROSSBILL | 2 |
| ZX015 | PYRRHULA PYRRHULA | COMMON BULLFINCH | 2 |
| ZX017 | CARDUELIS TRISTIS | AMERICAN GOLDFINCH | 26 |

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| ZX018 | CARPODACUS MEXICANUS | HOUSE FINCH | 30 |
| ZX019 | CALCARIUS PICTUS | SMITHS LONGSPUR | 1 |
| ZX020 | SPIZA AMERICANA | DICKCISSEL | 7 |
| ZX022 | AMANDAVA AMANDAVA | RED AVADAVAT | 3 |
| ZX023 | DIUCA DIUCA | COMMON DIUCA FINCH | 11 |
| ZX101 | PAROARIA CORONATA | RED CRESTED CARDINAL | 2 |
| ZX2 | FRINGILLIDAE | BUNTINGS | 120 |
| ZX201 | EMBERIZA AUREOLA | YELLOW-BREASTED CHAT | 4 |
| ZX202 | PLECTRO. NIVALIS | SNOW BUNTING | 107 |
| ZX203 | PASSERINA CYANEA | INDIGO BUNTING | 8 |
| ZX205 | EMBERIZA SCHOENICLUS | COMMON REED-BUNTING | 2 |
| ZX301 | ZONOTRICHIA QUERULA | HARRIS'S SPARROW | 2 |
| ZX302 | MELOSPIZA GEORGIANA | SWAMP SPARROW | 19 |
| ZX303 | PASS. SANDWICHENSIS | SAVANNAH SPARROW | 164 |
| ZX304 | PASSERELLA ILIACA | FOX SPARROW | 19 |
| ZX305 | ZONOTRICHIA ALBICOLL | WHITE-THROATED SPARROW | 61 |
| ZX306 | ZONOTRICHIA ATRICAPI | GOLDEN-CROWNED SPARROW | 2 |
| ZX307 | SPIZELLA PUSILLA | FIELD SPARROW | 22 |
| ZX308 | CHONDESTES GRAMMACUS | LARK SPARROW | 12 |
| ZX309 | ZONOTRICHIA LEUCO. | WHITE-CROWNED SPARROW | 15 |
| ZX310 | AMMODRAMUS SAVANARUM | GRASSHOPPER SPARROW | 24 |
| ZX311 | PADDA ORYZIVORA | JAVA SPARROW | 1 |
| ZX312 | POECETES GRAMINEUS | VESPER SPARROW | 22 |
| ZX313 | SPIZELLA PASSERINA | CHIPPING SPARROW | 24 |
| ZX314 | MELOSPIZA LINCOLNII | LINCOLN'S SPARROW | 12 |
| ZX315 | MELOSPIZA MELODIA | SONG SPARROW | 43 |
| ZX316 | AMPHISPIZA BELLI | SAGE SPARROW | 4 |
| ZX318 | SPIZELLA ARBOREA | AMERICAN TREE SPARROW | 9 |
| ZX4 | FRINGILLIDAE | TOWHEE | 1 |
| ZX401 | PIPILO ERYTHROPHthal | RUFIOUS-SIDED TOWHEE | 4 |
| ZY | ESTRILDIDAE | MANNIKINS | 3 |
| ZY | ESTRILDIDAE | WAXBILLS, MANNIKINS | 36 |
| ZY101 | LONCHURA PUNCTULATA | NUTMEG MANNIKIN | 34 |
| ZY102 | LONCHURA MALACCA | CHESNUT MANNIKIN | 8 |
| ZY103 | LONCHURA MALABARICA | WARBLING SILVERBILL | 3 |
| ZZ | PASSERIFORMES - continued | PERCHING BIRDS (continued) | 12 |
| ZZ201 | PASSER DOMESTICUS | HOUSE SPARROW | 195 |
| ZZ202 | PASSER MONTANUS | TREE SPARROW | 22 |

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