## Christmas Bird Counts 2008-2009

By Ned Keller

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There were only two changes in the count circles since last year: the Cadiz count was not completed, and the Carey count was. Carey, along with Clark County and Gypsum, was not reported to the National Audubon Society. Although the number of circles was the same as last year - 67- our species total rose from 153 tol61, plus four additional species during count week. Toledo once again had the high count, with 96 species, followed by Cincinnati with 92 and Wooster with 90.

The most extraordinary appearances on this year's counts were 281 White-winged Crossbills in 11 circles, including 74 at Grand RapidsWaterville. Having one or two is more typical, and we miss them entirely in many years. Red Crossbills did not mirror the White-winged invasion, as only a single bird appeared, also at Grand Rapids-Waterville. It was also an invasion year for Pine Siskins, with 3,220 found on 51 counts.

The individual star of the year must have been the photographed Painted Bunting at O'Shaughnessy Reservoir. Other rarities included a Black-headed Gull at Cleveland, a Parasitic Jaeger at Lake Erie Islands, 13 Eurasian Collared-Doves at Grand Lake St. Marys, and a Harris's Sparrow at Cincinnati. Also noteworthy were 11 Brant at Beaver Creek, a Blue-winged Teal at Lake Erie Islands, a Broad-winged Hawk at Beaver Creek, four Pomarine Jaegers at Lake Erie Islands, a Common Tern at Toledo, a Marsh Wren at Wooster, a Blue-gray Gnatcatcher at Lake Erie Islands, an Orange-crowned Warbler at Cincinnati, a Palm Warbler at Ragersville, a Lincoln's Sparrow at Toledo, a Dickcissel at Columbus, and a Bobolink at Toledo. Notable countweek birds included a Red-throated Loon at Caesar Creek/Spring Valley, a Purple Sandpiper at Lake Erie Islands, a Rufous Hummingbird at Columbus, and a White-eyed Vireo at Cuyahoga Falls. A Whooper Swan at Trumbull County was presumably an escapee. But these are just the highlights. You are sure to find additional interesting trends and records in the accompanying charts. As always, the results are reproduced here as reported to us (except for the errors that I may have introduced); I have made no effort to verify numbers or rarities.


The Ohio Cardinal, Winter 2008-2009


The Ohio Cardinal, Winter 2008-2009

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| -- | --- | --- | --- | 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | cw |
| --- | --- | --- | 15 | 2 | --- | --- | 1 | --- | 9 | --- | 6 | cw | 2 | --- | 5 |
| --- | --- | --- | --- | --- | --- | --- | -- | 2 | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | 2 | --- | 2 | --- | --- | --- | --- | --- | --- | --- | 14 | --- | --- | --- | 1 |
| 1650 | 703 | 2296 | 4939 | 5264 | 2017 | 1079 | 2422 | 3684 | 7190 | 43 | 2808 | 2659 | 430 | 5086 | 3216 |
| 4 | 2 | 2 | 7 | --- | --- | --- | --- | 1 | 1 | --- | 2 | --- | --- | 46 | 2 |
| --- | --- | --- | --- | --- | --- | -- | --- | --- | 40 | --- | --- | --- | --- | 9 | --- |
| --- | 46 | --- | 8 | --- | --- | 1 | --- | 227 | 8 | -- | 6 | --- | --- | 21 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30 | --- |
| --- | --- | 1 | 8 | --- | --- | --- | 1 | --- | 1 | --- | --- | cw | --- | --- | 3 |
| 40 | 4 | 20 | 1 | 1 | --- | --- | --- | --- | 23 | --- | --- | 2 | --- | 76 | 56 |
| --- | --- | --- | 1 | 2 | 1 | --- | --- | --- | 5 | --- | 1 | --- | --- | 36 | 6 |
| 30 | 12 | 503 | 35 | 8 | 88 | 6 | --- | 39 | 314 | --- | 15 | 18 | --- | 135 | 54 |
| 1600 | 241 | 2034 | 1905 | 782 | 804 | 248 | 239 | 265 | 4429 | 12 | 854 | 543 | 171 | 1029 | 1662 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 55 | -- | 1 | 2 | 2 | --- | -- | 3 | -- | 1 | --- | 3 | 1 | --- | 47 | 11 |
| 30 | 4 | --- | --- | 17 | --- | 1 | --- | 1 | 217 | --- | 62 | --- | --- | 47 | 8 |
| 3 | --- | 1 | 4 | cW | --- | 9 | --- | --- | 12 | --- | --- | --- | --- | --- | 10 |
| --- | --- | --- | 5 | --- | --- | --- | 2 | --- | 1 | --- | 2 | --- | --- | 68 | 17 |
| --- | --- | --- | 1 | --- | 2 | 1 | --- | --- | --- | --- | --- | --- | --- | 7 | --- |
| --- | --- | 191 | 134 | 7 | 106 | --- | 3 | --- | --- | --- | 2 | cw | --- | cw | 165 |
| --- | 35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14 | --- |
| 1 | 5 | 3 | --- | 12 | 4 | --- | 24 | --- | 1 | --- | 1 | --- | --- | 453 | 6 |
| --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 | --- | 70 | --- |
| --- | 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- |
| --- | 9 | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 3 | --- | --- | -- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 14 | 3 | 55 | 2 | --- | --- | 4 | 2 | 4 | --- | --- | --- | --- | 21 | 2 |
| 1 | 79 | 1 | 6 | 8 | --- | --- | 25 | 5 | --- | --- | --- | 1 | --- | 629 | 2 |
| 22 | 8 | 181 | 104 | 61 | --- | 6 | 4 | 11 | --- | --- | --- | --- | --- | 2 | 40 |
| --- | 50 | --- | 1 | 7 | --- | --- | 1 | 4 | 2 | --- | 14 | 3 | --- | 1018 | 7 |
| --- | 10000 | --- | --- | --- | --- | 1 | 11061 | 702 | --- | --- | 5 | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | -- | -- | --- | --- | 10 | --- | --- | --- | --- |
| 1 | 2 | --- | 15 | --- | --- | --- | 8 | 4 | 4 | --- | --- | --- | --- | 1 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 80 | -- | -- | --- | --- |
| --- | --- | --- | --- | --- | 11 | --- | --- | --- | 1 | 3 | --- | 1 | 2 | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 14 | cw | 24 | --- | 2 | 14 | 18 | --- | 5 | 14 | 6 | 3 | 34 | 13 | 53 |
| --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 1 | 3 | --- | --- | 34 | --- | --- | --- | --- | --- | --- | --- | --- | 4 |
| --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 40 | cw | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | 5 | --- |
| 14 | 16 | 73 | 25 | 29 | 51 | 13 | 1 | 1 | 59 | 1 | 5 | 19 | 4 | 91 | 45 |
| --- | 3 | 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42 | --- |
| --- | --- | --- | --- | --- | --- | 27 | --- | --- | -- | --- | --- | --- | --- | --- | 8 |
| --- | -- | --- | 5 | --- | --- | 31 | --- | --- | 1 | --- | --- | cw | --- | --- | 1 |
| --- | 1 | --- | --- | --- | --- | --- | -- | --- | --- | --- | -- | --- | --- | --- | --- |
| 1 | 2 | 4 | --- | 1 | 1 | --- | 4 | 10 | 32 | --- | 1 | 12 | -- | 88 | 1 |
| --- | 2 | --- | --- | 2 | 22 | 1 | --- | 3 | 11 | 5 | --- | 6 | 3 | 12 | -- |
| 5 | 1 | 5 | 6 | 3 | --- | --- | 2 | 1 | 3 | --- | --- | 4 | 1 | 2 | 4 |
| --- | 6 | 18 | 22 | 14 | 12 | 3 | 5 | 4 | 6 | 3 | 4 | 15 | 4 | 11 | 12 |
| --- | --- | --- | --- | --- | 3 | --- | --- | --- | --- | --- | 1 | --- | -- | --- | --- |
| --- | 5 | 1 | 16 | --- | --- | 24 | 1 | --- | --- | --- | --- | 17 | 1 | --- | 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 25 | 44 | 80 | 36 | 46 | 22 | 24 | 16 | 62 | 8 | 12 | 89 | 8 | 46 | 26 |
| --- | --- | 1 | --- | --- | 1 | --- | --- | --- | 2 | 1 | --- | --- | --- | 1 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | -- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| 5 | --- | 3 | 4 | 9 | 30 | 18 | 2 | 2 | 8 | 5 | 14 | 12 | 13 | 5 | 17 |
| --- | 2 | --- | 1 | --- | --- | 1 | --- | --- | 1 | --- | -- | -- | -- | -- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 1 | --- | 1 | --- |
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| 1 | 8 | 10 | 65 | 11 | --- | --- | 3 | 4 | -- | --- | --- | --- | --- | --- | 8 |
| --- | --- | --- | --- | --- | --- | 20 | --- | --- | -- | --- | --- | cw | --- | --- | 3 |

The Ohio Cardinal, Winter 2008-2009

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| Greater White-fronted Goose | --- | --- | --- | cw | 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Snow Goose | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ross's Goose | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Brant | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cackling Goose | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Canada Goose | 102 | 2753 | 1594 | 2056 | 1147 | 600 | 999 | 621 | 1980 | 821 | 1749 | 1722 | 349 | 263 |
| Mute Swan | 9 | 4 | 1 | --- | --- | --- | --- | 12 | 2 | 5 | --- | 6 | --- | 4 |
| Trumpeter Swan | --- | --- | --- | 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tundra Swan | --- | --- | --- | 43 | --- | 185 | cw | 4 | 5 | --- | cw | --- | --- | --- |
| Whooper Swan | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| swan sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wood Duck | --- | 2 | 2 | --- | --- | --- | 2 | --- | 1 | --- | --- | 1 | --- | --- |
| Gadwall | 18 | 5 | --- | cw | --- | 28 | --- | --- | 8 | --- | 3 | 1 | --- | 2 |
| American Wigeon | 1 | cw | --- | cw | --- | 9 | 2 | --- | --- | --- | --- | 1 | --- | --- |
| American Black Duck | --- | 245 | 3 | 23 | 26 | 160 | 24 | 12 | 11 | --- | 33 | 21 | --- | --- |
| Mallard | 113 | 3406 | 175 | 548 | 168 | 1186 | 1003 | 125 | 319 | 342 | 514 | 212 | 1 | 19 |
| American Black Duck x Mallard | --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- |
| duck sp. $\times$ Mallard | --- | --- | 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Blue-winged Teal | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Northern Shoveler | --- | 4 | --- | cw | --- | --- | 2 | 3 | --- | --- | --- | --- | --- | --- |
| Northern Pintail | 1 | 22 | --- | 35 | --- | --- | 124 | --- | --- | 4 | cw | cw | --- | --- |
| Green-winged Teal | --- | 2 | --- | 3 | --- | --- | 1 | --- | --- | --- | 3 | --- | --- | --- |
| Canvasback | --- | cw | --- | --- | --- | 23 | --- | 6 | --- | --- | cw | 1 | --- | --- |
| Redhead | 2 | cw | --- | --- | --- | 60 | --- | --- | --- | --- | cw | --- | --- | --- |
| Ring-necked Duck | --- | 3 | --- | --- | --- | 1 | 4 | 17 | 1 | 4 | 6 | 2 | --- | --- |
| Greater Scaup | --- | --- | --- | --- | --- | 12 | 18 | --- | --- | --- | --- | --- | --- | --- |
| Lesser Scaup | --- | 1 | --- | --- | --- | 208 | 144 | 6 | --- | 2 | --- | 5 | --- | --- |
| scaup sp. | --- | --- | --- | --- | --- | 673 | --- | --- | --- | --- | --- | --- | --- | --- |
| Surf Scoter | --- | --- | --- | --- | --- | --- | 3 | --- | --- | --- | --- | --- | --- | --- |
| White-winged Scoter | --- | --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- |
| Black Scoter | --- | --- | --- | --- | --- | 5 | 5 | --- | --- | --- | --- | --- | --- | --- |
| Long-tailed Duck | --- | --- | --- | --- | --- | 14 | 2 | --- | --- | --- | --- | --- | --- | --- |
| Bufflehead | --- | 6 | 3 | --- | --- | 2056 | 158 | 5 | cw | --- | 3 | 3 | --- | --- |
| Common Goldeneye | -- | cw | --- | cw | --- | 1683 | 253 | --- | --- | --- | --- | 15 | --- | --- |
| Hooded Merganser | 2 | 133 | --- | --- | --- | 3 | 1 | --- | 1 | 1 | --- | cw | --- | --- |
| Common Merganser | --- | --- | --- | --- | --- | 104 | 11 | --- | cw | 21 | --- | 7 | --- | --- |
| Red-breasted Merganser | --- | cw | 2 | --- | --- | 2213 | 56 | --- | --- | 140 | 1 | 2 | --- | --- |
| merganser sp. | --- | --- | --- | --- | --- | 11 | --- | --- | --- | --- | --- | --- | --- | --- |
| Ruddy Duck | --- | 19 | --- | --- | --- | 3 | --- | 1 | cw | 1 | 2 | --- | --- | --- |
| duck sp. | --- | --- | 401 | --- | --- | --- | --- | 18 | 12 | --- | --- | --- | --- | --- |
| Ring-necked Pheasant | --- | --- | --- | --- | 1 | --- | --- | --- | 1 | --- | 19 | 1 | --- | --- |
| Ruffed Grouse | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wild Turkey | 42 | 20 | 1 | --- | 22 | 14 | cW | --- | 226 | --- | 104 | 103 | 75 | 1 |
| Northern Bobwhite | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Red-throated Loon | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Common Loon | --- | --- | --- | --- | --- | 1 | --- | 1 | --- | --- | --- | --- | --- | --- |
| Pied-billed Grebe | 3 | cw | --- | --- | --- | 1 | --- | 2 | --- | --- | --- | 4 | --- | --- |
| Horned Grebe | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Double-crested Cormorant | --- | 9 | --- | --- | --- | 29 | --- | --- | --- | --- | --- | --- | --- | --- |
| Great Blue Heron | 10 | 14 | 3 | 3 | 3 | 1 | 3 | 1 | 11 | 12 | 35 | 13 | --- | 1 |
| Black-crowned Night-Heron | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Black Vulture | 96 | --- | --- | --- | 4 | --- | --- | 6 | --- | --- | 98 | --- | --- | --- |
| Turkey Vulture | 63 | --- | --- | --- | 1 | --- | --- | 9 | --- | --- | 340 | --- | --- | 2 |
| Osprey | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bald Eagle | 2 | 14 | 4 | 9 | --- | 3 | 5 | --- | --- | 6 | 2 | 18 | --- | --- |
| Northern Harrier | cw | 1 | 7 | 44 | 25 | --- | --- | 1 | 2 | --- | 6 | 1 | cw | 4 |
| Sharp-shinned Hawk | 1 | cw | 1 | --- | --- | 2 | 1 | --- | 2 | --- | 8 | 2 | --- | --- |
| Cooper's Hawk | 5 | 7 | 2 | 2 | 9 | 4 | 14 | 3 | 5 | 6 | 38 | 4 | --- | 3 |
| Accipiter sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- |
| Red-shouldered Hawk | 15 | --- | --- | 1 | 2 | --- | 3 | 2 | 5 | 3 | 3 | 10 | --- | 11 |
| Broad-winged Hawk | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Red-tailed Hawk | 49 | 33 | 26 | 38 | 55 | 2 | 20 | 34 | 43 | 15 | 239 | 119 | 4 | 13 |
| Rough-legged Hawk | --- | --- | 1 | --- | 1 | --- | --- | --- | 2 | 1 | 16 | 22 | --- | 1 |
| Buteo sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Golden Eagle | -- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| American Kestrel | 2 | 8 | 16 | 17 | 17 | --- | -- | 8 | 8 | --- | 45 | 31 | 3 | 4 |
| Merlin | 1 | --- | --- | --- | --- | --- | 1 | --- | 1 | 2 | 1 | --- | --- | --- |
| Peregrine Falcon | --- | 1 | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- |
| falcon sp. | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| hawk sp. | --- | --- | --- | --- | --- | --- | -- | 1 | --- | --- | --- | --- | --- | --- |
| American Coot | 5 | 4 | --- | --- | --- | --- | 1 | 4 | cw | --- | 20 | --- | -- | --- |
| Sandhill Crane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |

The Ohio Cardinal, Winter 2008-2009

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| --- | --- | --- | --- | --- | --- | 2 | -- | --- | -- | -- | 4 | --- | --- | --- | --- |
| 2 | 2 | 24 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | 2 | --- | --- | --- |
| --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- | 2 | --- | --- | 1 | --- | --- | --- | --- | --- | --- | 3 | --- | --- | --- | --- |
| 2985 | 4431 | 6503 | 338 | 971 | 37 | 1212 | 340 | 651 | 437 | 6065 | 1836 | 1298 | 2518 | 4494 | 3449 |
| --- | --- | --- | --- | 4 | 6 | --- | --- | cw | --- | 10 | --- | --- | 13 | --- | 2 |
| --- | --- | 42 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10 |
| --- | 3 | 37 | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- | --- | 1 | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | 9 | 1 | --- | cw | --- | 11 | --- | --- | 1 | --- | 2 |
| 2 | --- | --- | --- | --- | --- | --- | --- | 2 | --- | 2 | cw | 4 | --- | --- | 1 |
| 187 | 58 | 17 | --- | --- | --- | 40 | 1 | 91 | --- | 66 | 18 | 9 | 33 | --- | 478 |
| 3456 | 1026 | 511 | 102 | 459 | 105 | 320 | 63 | 1270 | 100 | 1121 | 298 | 342 | 511 | 181 | 2222 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 1 | --- | --- | --- | 20 | --- | --- | --- | 4 | --- | 2 | --- | 6 | --- | --- | 3 |
| 3 | 1 | 23 | --- | --- | --- | 1 | --- | 31 | --- | 17 | 6 | 136 | 1 | --- | 2 |
| 5 | --- | --- | --- | --- | cw | 2 | 3 | 4 | --- | 3 | --- | 1 | 1 | --- | --- |
| --- | --- | 333 | --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27 |
| --- | 3 | --- | --- | 21 | 12 | --- | --- | 3 | --- | 3 | --- | -- | --- | --- | 4 |
| --- | 27 | --- | 4 | 3 | 20 | 2 | --- | --- | --- | 12 | --- | 8 | --- | --- | cw |
| --- | 2 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 110 |
| 3 | 1 | 2 | --- | 14 | cw | --- | --- | 3 | --- | --- | --- | --- | --- | --- | 1565 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5739 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
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| 4 | --- | --- | --- | 3 | 25 | 7 | --- | 2 | --- | --- | --- | --- | --- | --- | 2 |
| --- | 3 | 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | 65 |
| --- | 2 | --- | --- | 5 | 27 | 9 | --- | 24 | --- | 6 | --- | --- | --- | --- | 5 |
| -- | --- | 59 | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | -- | 113 |
| --- | --- | --- | --- | --- | --- | --- | --- | 7 | --- | --- | --- | --- | --- | --- | 2 |
| -- | --- | --- | --- | -- | --- | -- | --- | -- | --- | --- | --- | --- | -- | --- | --- |
| 12 | --- | 1 | --- | 3 | 220 | 2 | --- | 2 | --- | --- | --- | --- | 1 | --- | 66 |
| --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | 38 | --- | -- | --- | 30 | -- |
| --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | --- |
| 167 | --- | --- | 155 | 12 | 1 | 7 | 1 | 61 | --- | 4 | 217 | 1 | 12 | 32 | 1 |
| --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | -- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | --- | --- | 3 | 3 | --- | 1 | --- | --- | --- | --- | --- | --- | 2 |
| --- | --- | --- | --- | --- | 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 40 | --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13 |
| 97 | 60 | 56 | --- | 19 | 27 | 19 | --- | 34 | 2 | 5 | 7 | 3 | 2 | 2 | 66 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | 150 | 46 | --- | -- | --- | -- | --- | 42 | --- | --- | --- | --- |
| 4 | --- | --- | --- | 47 | 9 | 3 | --- | 5 | 1 | --- | 133 | --- | --- | --- | --- |
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 14 | 25 | 3 | --- | 9 | 2 | 2 | 3 | --- | 4 | --- | 4 | --- | 12 | 22 |
| 1 | 3 | 5 | 3 | 1 | 14 | 1 | 4 | 2 | --- | 1 | 41 | 26 | 1 | 12 | 13 |
| 2 | 1 | 1 | 2 | --- | 1 | 5 | --- | 3 | --- | 1 | 11 | 2 | --- | 1 | 2 |
| 6 | 10 | 9 | 1 | 2 | 2 | 4 | 2 | 2 | 1 | 4 | 26 | 12 | 6 | 8 | 14 |
| --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 4 | --- | --- | 1 | 1 | 13 | --- | 2 | --- | 1 | 5 | cw | 2 | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| 39 | 75 | 41 | 16 | 14 | 26 | 27 | 10 | 22 | 7 | 35 | 174 | 47 | 35 | 41 | 42 |
| --- | 1 | --- | --- | --- | --- | --- | 3 | --- | --- | 1 | 16 | 4 | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 31 | 18 | 6 | 6 | 16 | 10 | 11 | 21 | 3 | 8 | 53 | 12 | 15 | 7 | 23 |
| --- | 2 | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | 2 | --- | --- | 4 |
| 1 | --- | --- | --- | --- | --- | 1 | -- | --- | --- | --- | cw | 1 | --- | -- | 1 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 134 | --- | --- | --- | --- | 1225 | 4 | --- | 1 | --- | --- | --- | --- | 1 | --- | 10 |
| 14 | --- | --- | --- | --- | cw | --- | --- | 7 | --- | --- | --- | --- | --- | --- | --- |


|  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Greater White-fronted Goose | --- | --- | --- | --- | --- | 1 | --- | 24 | 6 | 8 |
| Snow Goose | 1 | --- | 15 | --- | --- | --- | --- | 87 | 14 | 16 |
| Ross's Goose | --- | --- | --- | --- | --- | --- | --- | 3 | 2 | 2 |
| Brant | --- | --- | --- | --- | --- | --- | --- | 11 | 1 | 1 |
| Cackling Goose | --- | --- | --- | --- | --- | 5 | 1 | 37 | 11 | 12 |
| Canada Goose | 5212 | 187 | 2288 | 1173 | 777 | 5000 | 1314 | 133620 | 67 | 67 |
| Mute Swan | 2 | --- | --- | 3 | 2 | 2 | --- | 168 | 30 | 31 |
| Trumpeter Swan | 12 | --- | --- | --- | --- | 3 | --- | 156 | 8 | 8 |
| Tundra Swan | 143 | --- | cw | --- | --- | 21 | --- | 809 | 21 | 25 |
| Whooper Swan | 1 | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| swan sp. | --- | --- | --- | --- | --- | --- | --- | 37 | 2 | 2 |
| Wood Duck | --- | --- | --- | --- | --- | 2 | --- | 41 | 17 | 18 |
| Gadwall | --- | --- | --- | 49 | --- | 30 | 6 | 482 | 34 | 36 |
| American Wigeon | --- | --- | --- | 3 | --- | --- | --- | 110 | 20 | 24 |
| American Black Duck | 81 | -- | 4 | 76 | 2 | 352 | 8 | 3844 | 50 | 50 |
| Mallard | 541 | 72 | 331 | 907 | 83 | 1000 | 135 | 45192 | 67 | 67 |
| American Black Duck x Mallard | --- | --- | --- | --- | --- | --- | --- | 4 | 1 | 1 |
| duck sp. X Mallard | --- | --- | --- | --- | --- | --- | --- | 11 | 1 | 1 |
| Blue-winged Teal | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Northern Shoveler | --- | --- | --- | 8 | --- | 5 | -- | 274 | 23 | 24 |
| Northern Pintail | --- | --- | --- | 42 | --- | 55 | 9 | 975 | 37 | 40 |
| Green-winged Teal | --- | --- | --- | 19 | 5 | 9 | --- | 114 | 23 | 26 |
| Canvasback | --- | --- | --- | --- | --- | --- | --- | 561 | 17 | 20 |
| Redhead | --- | --- | --- | --- | --- | 1 | --- | 558 | 19 | 21 |
| Ring-necked Duck | --- | --- | --- | 79 | --- | 3 | 1 | 897 | 29 | 32 |
| Greater Scaup | --- | --- | --- | --- | 2 | --- | --- | 227 | 9 | 9 |
| Lesser Scaup | --- | --- | --- | cw | --- | --- | --- | 2718 | 30 | 32 |
| scaup sp. | --- | --- | --- | --- | --- | --- | --- | 6498 | 5 | 5 |
| Surf Scoter | --- | --- | --- | --- | --- | --- | --- | 13 | 3 | 3 |
| White-winged Scoter | --- | --- | --- | --- | --- | --- | --- | 7 | 4 | 4 |
| Black Scoter | --- | --- | --- | --- | --- | --- | --- | 21 | 4 | 4 |
| Long-tailed Duck | --- | --- | --- | --- | 1 | --- | --- | 28 | 5 | 5 |
| Bufflehead | --- | --- | --- | --- | --- | --- | 27 | 2596 | 31 | 33 |
| Common Goldeneye | 4 | --- | --- | 1 | --- | --- | 13 | 3021 | 23 | 25 |
| Hooded Merganser | --- | --- | --- | 2 | --- | --- | 34 | 819 | 33 | 34 |
| Common Merganser | --- | --- | --- | 5 | --- | --- | --- | 3445 | 22 | 24 |
| Red-breasted Merganser | --- | --- | --- | --- | --- | --- | --- | 24431 | 14 | 15 |
| merganser sp. | --- | --- | --- | --- | --- | --- | --- | 21 | 2 | 2 |
| Ruddy Duck | --- | --- | --- | 1 | --- | --- | 4 | 445 | 27 | 28 |
| duck sp. | --- | --- | --- | --- | --- | --- | --- | 579 | 6 | 6 |
| Ring-necked Pheasant | 2 | --- | 2 | --- | --- | 1 | --- | 70 | 18 | 18 |
| Ruffed Grouse | --- | --- | --- | --- | --- | --- | --- | 4 | 3 | 3 |
| Wild Turkey | 72 | 50 | --- | 34 | 116 | 200 | 31 | 2611 | 51 | 53 |
| Northern Bobwhite | --- | --- | --- | --- | --- | --- | --- | 35 | 4 | 4 |
| Red-throated Loon | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 |
| Common Loon | --- | --- | --- | --- | --- | --- | 3 | 13 | 6 | 6 |
| Pied-billed Grebe | --- | --- | --- | --- | --- | --- | --- | 91 | 20 | 21 |
| Horned Grebe | --- | --- | --- | --- | --- | --- | 10 | 22 | 7 | 7 |
| Double-crested Cormorant | --- | --- | --- | --- | --- | --- | --- | 156 | 13 | 15 |
| Great Blue Heron | 14 | --- | 2 | 29 | 7 | 15 | 3 | 1154 | 60 | 60 |
| Black-crowned Night-Heron | --- | --- | --- | --- | --- | --- | --- | 72 | 4 | 4 |
| Black Vulture | --- | --- | -- | --- | --- | --- | --- | 995 | 13 | 13 |
| Turkey Vulture | --- | --- | 1 | --- | --- | 1 | --- | 1243 | 23 | 24 |
| Osprey | --- | --- | --- | --- | --- | --- | --- | 2 | 2 | 2 |
| Bald Eagle | 21 | 2 | --- | 2 | 3 | 5 | 1 | 425 | 50 | 50 |
| Northern Harrier | 4 | 2 | 11 | 5 | 3 | 10 | 3 | 369 | 51 | 54 |
| Sharp-shinned Hawk | 1 | --- | 4 | 4 | 1 | 2 | --- | 125 | 44 | 45 |
| Cooper's Hawk | 5 | 3 | 4 | 10 | 9 | 13 | 2 | 487 | 64 | 64 |
| Accipiter sp. | --- | --- | --- | 1 | -- | -- | -- | 10 | 6 | 6 |
| Red-shouldered Hawk | 10 | --- | 4 | 8 | 1 | 6 | 6 | 332 | 46 | 47 |
| Broad-winged Hawk | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Red-tailed Hawk | 26 | 7 | 46 | 46 | 97 | 63 | 6 | 2729 | 67 | 67 |
| Rough-legged Hawk | --- | --- | 6 | --- | 7 | 9 | --- | 110 | 26 | 27 |
| Buteo sp. | --- | --- | --- | --- | --- | --- | --- | 8 | 3 | 3 |
| Golden Eagle | --- | --- | --- | --- | --- | --- | --- | 2 | 2 | 2 |
| American Kestrel | 8 | 25 | 45 | 6 | 39 | 18 | --- | 900 | 62 | 62 |
| Merlin | --- | --- | --- | --- | 1 | --- | --- | 20 | 13 | 13 |
| Peregrine Falcon | --- | --- | --- | --- | --- | 1 | 1 | 13 | 12 | 13 |
| falcon sp. | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| hawk sp. | --- | --- | --- | --- | 7 | --- | --- | 8 | 2 | 2 |
| American Coot | 10 | --- | --- | --- | --- | 1 | --- | 2455 | 27 | 28 |
| Sandhill Crane | --- | --- | --- | 461 | --- | --- | --- | 508 | 7 | 9 |

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|  |  |  | $\begin{aligned} & \text { I } \\ & \text { O } \\ & \frac{1}{2} \end{aligned}$ |  |  |  |  | $\begin{aligned} & \stackrel{-}{\otimes} \\ & \stackrel{N}{0} \\ & \circlearrowright \end{aligned}$ |  |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{\stackrel{\rightharpoonup}{\mid}} \\ & \stackrel{\rightharpoonup}{\sim} \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Killdeer | 5 | 1 | --- | --- | --- | --- | --- | 2 | --- | --- | --- | 5 | --- | 2 |
| Purple Sandpiper | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Wilson's Snipe | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| Little Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bonaparte's Gull | 22 | 17 | --- | 1 | --- | --- | --- | --- | 95 | --- | --- | 12 | --- | 1 |
| Black-headed Gull | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ring-billed Gull | 64 | 225 | 7 | 8585 | 215 | --- | --- | 25 | 643 | --- | 12 | 507 | --- | 36 |
| Herring Gull | --- | 2 | --- | 646 | --- | --- | --- | --- | 1 | --- | 3 | --- | --- | 6 |
| Thayer's Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Iceland Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Kumlien's Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lesser Black-backed Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Glaucous Gull | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Great Black-backed Gull | --- | --- | --- | 56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gull sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pomarine Jaeger | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parasitic Jaeger | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Common Tern | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- |
| Rock Pigeon | 190 | 63 | 200 | 125 | 183 | 121 | 7 | 43 | 336 | 283 | 94 | 110 | 154 | 415 |
| Eurasian Collared-Dove | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mourning Dove | 781 | 333 | 80 | 179 | 329 | 578 | 222 | 161 | 102 | 238 | 221 | 311 | 183 | 789 |
| Barn Owl | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- |
| Eastern Screech-Owl | 22 | 6 | --- | --- | 3 | 5 | 2 | cw | 2 | 3 | --- | 6 | 11 | 1 |
| Great Horned Owl | 4 | 3 | --- | --- | 1 | 2 | 1 | --- | --- | 3 | 5 | 4 | 9 | 7 |
| Snowy Owl | -- | -- | --- | --- | --- | -- | -- | --- | --- | -- | --- | -- | -- | --- |
| Barred Owl | 3 | 1 | --- | --- | cw | 1 | 1 | 1 | 1 | 1 | cw | 4 | 4 | 1 |
| Long-eared Owl | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- |
| Short-eared Owl | --- | --- | --- | 1 | --- | 1 | --- | --- | --- | --- | 1 | --- | --- | 2 |
| Northern Saw-whet Owl | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rufous Hummingbird | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Belted Kingfisher | 10 | 3 | --- | 2 | 8 | 1 | 1 | 6 | 4 | 1 | 1 | 13 | -- | 21 |
| Red-headed Woodpecker | 2 | 3 | --- | --- | 2 | --- | 18 | --- | --- | 10 | --- | 3 | 2 | 2 |
| Red-bellied Woodpecker | 48 | 126 | 8 | 21 | 48 | 45 | 48 | 43 | 19 | 50 | 77 | 128 | 43 | 409 |
| Yellow-bellied Sapsucker | 6 | 3 | --- | 1 | 2 | 2 | 2 | 1 | 1 | 3 | 3 | 3 | --- | 29 |
| Downy Woodpecker | 32 | 158 | 6 | 50 | 58 | 48 | 67 | 52 | 18 | 66 | 101 | 115 | 59 | 321 |
| Hairy Woodpecker | 22 | 24 | 1 | 14 | 13 | 10 | 4 | 8 | 3 | 15 | 33 | 11 | 14 | 56 |
| Northern Flicker | 45 | 23 | 3 | 3 | 6 | 28 | 25 | 5 | 15 | 19 | 19 | 53 | 33 | 109 |
| Pileated Woodpecker | 33 | 12 | 2 | 4 | 9 | 18 | --- | 5 | 1 | 6 | 19 | 18 | 4 | 56 |
| woodpecker sp. | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | -- | --- | --- |
| Eastern Phoebe | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | 2 | --- | 3 |
| Northern Shrike | 2 | --- | --- | 1 | 1 | --- | 1 | --- | --- | --- | --- | --- | --- | --- |
| White-eyed Vireo | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Blue Jay | 182 | 248 | 60 | 117 | 158 | 163 | 71 | 74 | 92 | 174 | 348 | 193 | 114 | 202 |
| American Crow | 826 | 740 | 43 | 378 | 817 | 2725 | 33 | 306 | 442 | 489 | 341 | 144 | 160 | 1314 |
| Horned Lark | 18 | 46 | 15 | --- | --- | --- | 29 | --- | 5 | 540 | --- | 140 | 631 | 56 |
| Carolina Chickadee | 139 | 117 | 18 | --- | 44 | 123 | --- | 89 | 40 | 56 | --- | 328 | 5 | 1711 |
| Black-capped Chickadee | --- | 15 | --- | 171 | 68 | --- | 63 | --- | --- | 30 | 526 | --- | 40 | --- |
| chickadee sp. | --- | 36 | -- | --- | 64 | --- | --- | --- | --- | 3 | --- | --- | --- | - |
| Tufted Titmouse | 133 | 154 | 8 | 40 | 129 | 45 | 45 | 77 | 17 | 95 | 208 | 157 | 35 | 794 |
| Red-breasted Nuthatch | --- | 3 | --- | 5 | cw | --- | --- | 5 | --- | 2 | 23 | 1 | --- | 3 |
| White-breasted Nuthatch | 36 | 176 | 3 | 30 | 61 | 45 | 71 | 65 | 31 | 124 | 147 | 126 | 58 | 280 |
| Brown Creeper | 3 | 9 | -- | 2 | 7 | 10 | 23 | 7 | 2 | 2 | 6 | 4 | 12 | 32 |
| Carolina Wren | 40 | 63 | 9 | 5 | 17 | 40 | 6 | 14 | 11 | 2 | 10 | 54 | 14 | 379 |
| House Wren | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- |
| Winter Wren | 1 | 1 | --- | --- | 1 | 1 | --- | 2 | --- | 7 | --- | --- | 7 | 9 |
| Marsh Wren | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| wren sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Golden-crowned Kinglet | 44 | 11 | --- | 3 | 10 | 45 | 13 | 9 | 5 | 1 | 16 | 4 | 7 | 110 |
| Ruby-crowned Kinglet | --- | --- | --- | --- | --- | 1 | --- | -- | -- | --- | --- | 1 | 1 | 4 |
| kinglet sp. | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Blue-gray Gnatcatcher | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Bluebird | 135 | 132 | 10 | 54 | 55 | 39 | 14 | 11 | 11 | 30 | 90 | 82 | 41 | 168 |
| Hermit Thrush | 5 | --- | 1 | --- | --- | 4 | --- | -- | --- | --- | --- | 1 | --- | 8 |
| American Robin | 204 | 44 | 123 | 2 | 7 | 89 | 13 | 1 | 208 | 2 | 244 | 731 | 38 | 4751 |
| Gray Catbird | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- |
| Northern Mockingbird | 23 | 3 | 8 | --- | 12 | 11 | --- | 3 | 6 | --- | --- | 25 | --- | 108 |
| Brown Thrasher | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| European Starling | 1111 | 1424 | 300 | 1056 | 1103 | 607 | 641 | 404 | 6501 | 2013 | 2487 | 5165 | 1247 | 8253 |
| American Pipit | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | cw | --- |
| Cedar Waxwing | 314 | 104 | 40 | 2 | --- | --- | 4 | 38 | 10 | 52 | 120 | 39 | 71 | 643 |
| Orange-crowned Warbler | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 |
| Yellow-rumped Warbler | 131 | 5 | -- | 1 | 250 | 23 | 4 | --- | --- | 2 | 7 | 54 | 5 | 98 |

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|  |  |  |  |  |  |  |  |  | $\begin{array}{r} \text { ळ } \\ \text { 등 } \\ \text { 이 } \\ \text { 에 ल } \\ \text { 눈 } \end{array}$ | $\begin{array}{r} \text { E } \\ 0 \\ 00 \\ 0 \\ 0 \\ \vdots \\ \text { N } \\ \text { N } \\ \overline{\mathrm{N}} \\ \text { N } \end{array}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | --- | 2 | 3 | 1 | 1 | 2 | 1 | --- | --- | -- | --- | --- | --- | --- | 8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 13000 | --- | --- | --- | --- | 6 | 1296 | 15004 | --- | --- | --- | --- | --- | --- | --- |
| --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1500 | 5078 | 1741 | 425 | 383 | 71 | 810 | 34397 | 9444 | 4 | --- | 169 | 145 | --- | 17355 | 27 |
| 11 | 3510 | 1 | 36 | 3 | --- | --- | 14 | 18 | 8 | --- | --- | 487 | --- | 6961 | 1 |
| --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- |
| --- | 2 | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- |
| --- | 80 | --- | --- | --- | --- | --- | 12 | 3 | --- | --- | --- | --- | --- | 109 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2400 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 34 | 580 | --- | 786 | 248 | 196 | 61 | 63 | 349 | 274 | 4 | 32 | 266 | 98 | 82 | 16604 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13 | --- | --- | --- | --- |
| 206 | 215 | 847 | 636 | 566 | 290 | 286 | 85 | 95 | 204 | 150 | 40 | 764 | 164 | 105 | 444 |
| --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 1 | 10 | 2 | 4 | 1 | -- | 9 | --- | 2 | --- | 44 | -- | 6 | 3 |
| --- | --- | 3 | 5 | 1 | 6 | 3 | 1 | 5 | --- | 2 | --- | 12 | 4 | 3 | 8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 6 | 7 | 2 | 4 | 2 | 1 | --- | --- | 1 | --- | 8 | --- | --- | --- |
| --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | 1 | --- | 1 | --- |
| --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- |
| --- | 1 | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | 4 | --- | --- | --- |
| -- | -- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | 8 | 16 | 15 | 6 | 10 | 2 | 1 | --- | 3 | -- | 3 | 3 | 1 | 4 | 17 |
| --- | --- | 1 | --- | 1 | --- | --- | 1 | --- | --- | 7 | 1 | 29 | --- | 3 | --- |
| 18 | 75 | 97 | 188 | 73 | 69 | 92 | 39 | 25 | 25 | 21 | 6 | 179 | 16 | 37 | 45 |
| 1 | 1 | 4 | 3 | 13 | 1 | 1 | 3 | 1 | 2 | --- | --- | 6 | 1 | --- | 3 |
| 25 | 116 | 172 | 305 | 72 | 104 | 71 | 50 | 51 | 67 | 20 | 22 | 253 | 24 | 97 | 84 |
| 7 | 24 | 17 | 61 | 10 | 17 | 9 | 4 | 4 | 3 | 3 | 2 | 82 | 1 | 3 | 5 |
| 13 | 6 | 54 | 39 | 23 | 30 | 31 | 19 | 9 | 26 | 11 | 1 | 54 | 6 | 44 | 15 |
| 2 | 17 | 1 | 16 | 12 | 3 | 4 | --- | --- | --- | --- | 1 | 3 | --- | --- | 18 |
| --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | 1 | --- | 2 | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- |
| --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | 344 | 144 | 741 | 31 | 113 | 99 | 187 | 61 | 70 | 39 | 36 | 518 | 14 | 45 | 44 |
| 20000 | 199 | 476 | 599 | 141 | 134 | 105 | 31 | 24 | 97 | 19 | 5 | 475 | 67 | 55 | 209 |
| 24 | -- | 7 | --- | 9 | 133 | 20 | 40 | 26 | 226 | 75 | 112 | 133 | 139 | 99 | 12 |
| 60 | --- | 489 | --- | 317 | 5 | 224 | --- | --- | --- | --- | 24 | --- | 31 | --- | 118 |
| --- | 373 | --- | 1102 | --- | --- | --- | 133 | 96 | 28 | 43 | --- | 708 | --- | 77 | --- |
| --- | --- | --- | --- | --- | 227 | --- | --- | --- | --- | --- | --- | --- | 31 | --- | --- |
| 17 | 104 | 117 | 360 | 73 | 47 | 134 | 60 | 28 | 18 | 22 | 6 | 451 | 8 | 24 | 58 |
| --- | 15 | 4 | 15 | --- | --- | --- | 1 | 2 | 1 | 7 | --- | 145 | --- | 1 | --- |
| 13 | 123 | 123 | 315 | 81 | 92 | 29 | 63 | 41 | 38 | 23 | 7 | 395 | 17 | 34 | 45 |
| 5 | 1 | 36 | 23 | 18 | 17 | 2 | --- | 3 | 20 | 3 | 2 | 90 | 5 | 26 | 10 |
| 19 | 21 | 88 | 78 | 37 | 32 | 36 | 13 | 3 | 30 | 1 | 11 | 57 | 4 | 15 | 51 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 3 | 5 | --- | --- | 1 | --- | 1 | 2 | --- | --- | 4 | 1 | 3 | 3 |
| -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | -- | --- | --- | --- | --- | --- |
| 5 | --- | 27 | 25 | 24 | 1 | 12 | 5 | 1 | 9 | 5 | --- | 79 | --- | 13 | 16 |
| --- | --- | 2 | --- | 5 | --- | --- | --- | --- | 2 | --- | --- | 1 | --- | 2 | 2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | 39 | 26 | 79 | 39 | 25 | 69 | 56 | 28 | 22 | 8 | --- | 188 | --- | 1 | 40 |
| --- | --- | 2 | 1 | 2 | --- | 1 | --- | 1 | --- | 1 | --- | 2 | --- | --- | 1 |
| 572 | 557 | 4157 | 347 | 1604 | 140 | 245 | 112 | 212 | 184 | 5 | 21 | 184 | 6 | 302 | 5147 |
| 1 | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | -- |
| 1 | 9 | 12 | --- | 3 | 9 | 22 | --- | --- | --- | --- | --- | 17 | --- | --- | 9 |
| --- | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | -- | --- | 1 | --- | --- | --- |
| 1610 | 975 | 35540 | 6117 | 5619 | 3429 | 1997 | 2119 | 7148 | 4630 | 750 | 1390 | 2787 | 3617 | 14515 | 36255 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 5 | --- |
| 28 | 23 | 354 | 215 | 45 | 190 | 124 | 5 | 84 | 5 | 5 | --- | 131 | --- | --- | 36 |
| --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 5 | 23 | 4 | 18 | 28 | 60 | 4 | 5 | 27 | --- | 1 | 28 | --- | 44 | 6 |

The Ohio Cardinal, Winter 2008-2009

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Killdeer | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7 | 4 | --- | --- |
| Purple Sandpiper | --- | --- | --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- |
| Wilson's Snipe | --- | --- | --- | --- | --- | --- | --- | --. | --- | --- | 11 | 4 | --- | --- |
| Little Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| Bonaparte's Gull | --- | 453 | --- | --- | --- | 177 | 5590 | --- | --- | 588 | --- | cw | --- | --- |
| Black-headed Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ring-billed Gull | --- | 1573 | 495 | --- | --- | 9573 | 12646 | 2 | 87 | 1059 | --- | 11 | --- | --- |
| Herring Gull | --- | 6 | 5 | --- | --- | 626 | 545 | --- | 10 | 76 | --- | --- | --- | --- |
| Thayer's Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Iceland Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Kumlien's Gull | --- | --- | --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | --- |
| Lesser Black-backed Gull | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Glaucous Gull | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- |
| Great Black-backed Gull | --- | --- | --- | --- | --- | 152 | 41 | --- | --- | 5 | --- | --- | --- | --- |
| gull sp. | --- | --- | --- | --- | --- | 30155 | --- | --- | --- | --- | --- | --- | --- | --- |
| Pomarine Jaeger | --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- |
| Parasitic Jaeger | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Common Tern | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rock Pigeon | --- | 65 | 144 | 86 | 192 | --- | 146 | 57 | 253 | 11 | 1381 | 314 | 3 | --- |
| Eurasian Collared-Dove | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mourning Dove | 121 | 111 | 420 | 111 | 535 | 13 | 135 | 167 | 308 | 65 | 1553 | 433 | 187 | 169 |
| Barn Owl | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| Eastern Screech-Owl | 5 | --- | cw | --- | 9 | 3 | 1 | 3 | 22 | 3 | 11 | 17 | --- | --- |
| Great Horned Owl | 10 | 1 | cw | --- | 7 | 1 | --- | 1 | 2 | --- | 9 | 1 | cw | --- |
| Snowy Owl | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Barred Owl | 18 | 2 | --- | 2 | --- | --- | --- | 3 | --- | --- | 14 | 4 | --- | 4 |
| Long-eared Owl | --- | --- | --- | cw | 1 | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| Short-eared Owl | --- | --- | --- | 8 | --- | --- | --- | --- | 3 | --- | 1 | --- | --- | --- |
| Northern Saw-whet Owl | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Rufous Hummingbird | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Belted Kingfisher | 9 | 5 | --- | --- | 3 | 1 | 2 | 6 | 11 | --- | 28 | 8 | 1 | 1 |
| Red-headed Woodpecker | --- | 2 | 4 | 2 | 2 | --- | --- | --- | 1 | --- | 19 | --- | --- | 7 |
| Red-bellied Woodpecker | 64 | 94 | 21 | 8 | 44 | 17 | 29 | 20 | 79 | 25 | 491 | 115 | 10 | 17 |
| Yellow-bellied Sapsucker | 6 | 2 | --- | --- | 6 | 1 | --- | 5 | --- | --- | 11 | 5 | --- | 1 |
| Downy Woodpecker | 76 | 103 | 28 | 49 | 51 | 48 | 69 | 34 | 121 | 49 | 553 | 175 | 31 | 14 |
| Hairy Woodpecker | 21 | 13 | 10 | --- | 7 | 1 | 15 | 11 | 25 | 12 | 144 | 38 | 7 | 3 |
| Northern Flicker | 26 | 33 | 9 | 12 | 32 | 11 | 2 | 10 | 11 | 3 | 182 | 31 | 2 | 11 |
| Pileated Woodpecker | 39 | 8 | --- | --- | 12 | --- | 3 | 12 | 7 | 5 | 100 | 31 | cw | 4 |
| woodpecker sp. | --- | --- | --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- |
| Eastern Phoebe | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | 3 | --- | --- | --- |
| Northern Shrike | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| White-eyed Vireo | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Blue Jay | 322 | 125 | 26 | 27 | 217 | 22 | 73 | 99 | 180 | 119 | 830 | 265 | 19 | 101 |
| American Crow | 346 | 175 | 215 | 15 | 353 | 57 | 46 | 258 | 18000 | 165 | 1550 | 576 | 53 | 373 |
| Horned Lark | --- | 11 | 327 | 66 | 172 | --- | --- | --- | --- | --- | 558 | 35 | 2 | -- |
| Carolina Chickadee | 265 | 305 | 21 | --- | 115 | --- | --- | 96 | 15 | --- | 1086 | 252 | --- | 25 |
| Black-capped Chickadee | --- | --- | --- | --- | --- | 241 | 171 | --- | 2 | 99 | 13 | 3 | 78 | 25 |
| chickadee sp. | --- | --- | 8 | 19 | --- | --- | --- | --- | 288 | --- | 5 | --- | 17 | --- |
| Tufted Titmouse | 129 | 112 | 6 | 9 | 77 | 1 | 49 | 66 | 178 | 45 | 755 | 255 | 24 | 23 |
| Red-breasted Nuthatch | 24 | 2 | --- | --- | --- | 1 | 4 | --- | 25 | 1 | 12 | 12 | 10 | --- |
| White-breasted Nuthatch | 105 | 70 | 18 | 26 | 57 | 1 | 49 | 50 | 134 | 41 | 655 | 211 | 27 | 34 |
| Brown Creeper | 11 | 5 | 1 | 2 | 7 | 18 | 1 | 2 | 8 | --- | 45 | 14 | --- | --- |
| Carolina Wren | 50 | 30 | 4 | 1 | 33 | 11 | 10 | 35 | 26 | 5 | 367 | 83 | 3 | 5 |
| House Wren | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Winter Wren | 2 | 2 | --- | --- | --- | 2 | 2 | 2 | --- | --- | 8 | --- | --- | --- |
| Marsh Wren | --- | --- | --- | --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- |
| wren sp . | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Golden-crowned Kinglet | 59 | 5 | 2 | 2 | 45 | 64 | --- | 6 | 17 | 3 | 58 | 35 | --- | 20 |
| Ruby-crowned Kinglet | 2 | --- | --- | --- | --- | 4 | --- | 2 | --- | --- | 1 | 1 | --- | --- |
| kinglet sp. | --- | --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- |
| Blue-gray Gnatcatcher | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- |
| Eastern Bluebird | 119 | 120 | 10 | 1 | 49 | 8 | --- | 31 | 69 | 8 | 804 | 195 | 10 | 18 |
| Hermit Thrush | 2 | 1 | --- | --- | 3 | 12 | cw | --- | --- | --- | --- | --- | --- | --- |
| American Robin | 38 | 804 | 13 | 9 | 544 | 3319 | 338 | 257 | 10 | 122 | 109 | 52 | --- | 6 |
| Gray Catbird | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | cw | --- | --- |
| Northern Mockingbird | 4 | 10 | 1 | 2 | 13 | --- | 2 | 1 | 1 | --- | 173 | 12 | --- | 17 |
| Brown Thrasher | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| European Starling | 98 | 10277 | 1322 | 2437 | 22019 | 27287 | 1143 | 985 | 1959 | 567 | 2590 | 1172 | 263 | 469 |
| American Pipit | --- | -- | --- | --- | -- | --- | --- | --- | --- | --- | 20 | 1 | --- | --- |
| Cedar Waxwing | --- | 496 | 32 | 7 | 14 | 303 | --- | 1 | 58 | 42 | 76 | 226 | 12 | --- |
| Orange-crowned Warbler | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yellow-rumped Warbler | 44 | 22 | --- | --- | 5 | 42 | 3 | 5 | 4 | --- | 140 | 10 | --- | 1 |

The Ohio Cardinal，Winter 2008－2009

| N（ ${ }_{\text {N }}$ |  | 1 ： | ；NoNN：O1： | NO | : へेへのv | $\pm: \perp: \quad: \quad \mid$ | $-\omega: \begin{array}{c:c:c} \infty \\ \sim \end{array}$ |  | －： | －：$\quad 1 \quad 1$ | Ohio River $\mathrm{IN}-\mathrm{OH}-\mathrm{KY}$ 12/14/2008 (64) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| の：N： |  | ！！！－！！ |  |  |  | 式 - ज： | $\cdots: N \sim:$ |  |  | 1 1 1 1 | O＇Shaughnessy Reservoir 1／3／2009（54） |
| ！住： | $\stackrel{\text { の }}{\stackrel{\rightharpoonup}{\infty}}:-: \stackrel{\infty}{y}:$ | 1 ！ | － |  | ： | NO：： | －$\stackrel{\text {－}}{\text {－}}$ |  | ；： | 1 ：$\quad 1 \quad 1$ | $\begin{aligned} & \text { Ottawa N.W.R. } \\ & \text { 1/4/2009 (4) } \end{aligned}$ |
| －： | $\stackrel{\text { ® }}{\sim}$ | － | －$\omega$ | $\omega$ | －｜$\omega$ 令 د ！ | の！！！！！ | ：：：：诠 | or： | 1－1－の | 1 1 1 1 1 | Oxbow Lake 1／3／2009（7） |
| ぃ：ぶ： | $\begin{array}{l:l:ll} \stackrel{N}{N} \\ \stackrel{\rightharpoonup}{\omega} & \omega & \stackrel{\rightharpoonup}{\omega} & \stackrel{\omega}{N} \end{array}$ | ！－－vi ！！ |  | ！${ }_{6}^{\sim}$ | ：$\quad$ cN0 ${ }^{\text {c }}$ | ¢ ：$\omega$ ：：：： |  | ¢ ：：：：： | ；： |  | $\begin{aligned} & \text { Oxford } \\ & 12 / 20 / 2008(61) \end{aligned}$ |
| ○： | ® | 1 $\boldsymbol{1}$ | － | ：A ${ }_{\sim}^{\omega}$ | ：N $\mathrm{O}_{\text {ON }}$ | $\xrightarrow{\sim} \omega \overrightarrow{ \pm}$ ！！！ | ！－－： | ¢ | 1：1－ | N：N： N | Paint Creek Area 12／14／2008（66） |
| N：ミ： | $\left\|\begin{array}{ll:l} \stackrel{\rightharpoonup}{N} \\ \underset{\omega}{\omega} & О & \frac{\omega}{\infty} \rightarrow \vec{\infty} \end{array}\right\|$ | ！N N ：！ | ； | ；N：${ }_{\text {No }}^{\text {¢ }}$ N： |  | ¢ ¢ ： | $\rightarrow-\sim \Delta: \stackrel{\rightharpoonup}{\circ}$ | $\begin{array}{l:l:l::} \stackrel{\rightharpoonup}{\infty} \\ \infty & : & - \\ \hline \end{array}$ | ：：ज ज ： | 1 \％\％！i | Parkersburg WV－OH 1／3／2009（79） |
| 1 1 1 | ¢\％： | 1 1 1 1－ |  | ¢N： | ：- NNO： | $\infty$ ；i i i i i | ！！N： | ¢ ！！i ！i i |  | －$\quad 1 \quad 1 \quad 1$ | $\begin{aligned} & \text { Plymouth } \\ & \text { 12/28/2008 (12) } \end{aligned}$ |
| $\stackrel{\rightharpoonup}{\circ}: \stackrel{\rightharpoonup}{\infty}:$ | $\stackrel{\rightharpoonup}{\omega}$ | ！！$\omega \rightarrow$ ！！ |  | $: \infty \stackrel{\infty}{\infty} \stackrel{\rightharpoonup}{\mathrm{v}}:$ |  |  | －：－N © |  | i i i i i vi | －： | Portsmouth 12/27/2008 (81) |
| ！ | $\stackrel{\omega}{\nu}:: ~: ~ \vec{~}$ | －！！v ！！ | ！NNO：N： | ！N ¢ W د ！！ | ；$\quad \rightarrow-\sum$ § |  | ！－－！¢ ¢ |  | ；：！N | 1 \％！i i | Preble County 12／16／2008（68） |
| N：${ }^{\text {N：}}$ | $\begin{array}{l:l} \stackrel{\infty}{\infty} & \\ \infty & -\stackrel{\rightharpoonup}{\sigma} \end{array}$ | －！¢ ！！N |  |  | $: \quad \text { の N }$ | 式： | － $1 \rightarrow 0$ 号 | 令：： |  | －：$\quad 1$ | Quail Hollow－Hartville 12／27／2008（37） |
| $A: N O$ | $\begin{array}{l:l:ll} N \\ \stackrel{N}{A} & \vec{N} & \vec{N} & 0 \\ \hline \end{array}$ | $:: \text { जै: }$ | $-\stackrel{N}{ \pm} \underset{\omega}{\omega} \stackrel{N}{\oplus} \stackrel{C}{\square}$ |  |  | $\frac{\omega}{\perp} \vec{\sigma} v: \perp \text { जr }$ | －जे व बें | $\begin{array}{ll:l:l} \stackrel{\rightharpoonup}{\circ} \\ \stackrel{C}{\omega} & : & : & : \\ \hline \end{array}$ | －：！！！－ | ： $1 \times$ N | $\begin{aligned} & \text { Ragersville } \\ & \text { 12/26/2008 (70) } \end{aligned}$ |
| $-8$ | $\begin{array}{l\|l:l} \stackrel{\rightharpoonup}{0} \\ \stackrel{\rightharpoonup}{0} & \omega & N \end{array}$ | － $1-$－： |  | $\bullet: \begin{array}{l:l} \text { た } & \stackrel{\rightharpoonup}{\rightharpoonup} \\ \infty & - \end{array}$ | $:-\omega \vee \sqrt{0}$ |  | $\rightarrow \rightarrow+\stackrel{N}{\circ}$ | $\vec{\sim}$ | ；：！i－： | 1：1 ： | Rudolph 12/21/2008 (17) |
| ！！； | $\begin{array}{ll:l:l} \vec{\rightharpoonup} \\ \stackrel{+}{N} & \vec{N} & \tilde{N} & \Omega \\ \hline \end{array}$ |  | ！$\vec{\omega}$ ！$\pm$ N ${ }^{\text {a }}$ | $\vec{\infty} \text { ज } \infty \stackrel{\infty}{\infty} \underset{\sim}{\omega} \stackrel{\rightharpoonup}{\omega}:-1$ | ： |  | ：：： | 令：：：：：：i | －：i i i i i | 1 1 \％！ | $\begin{aligned} & \text { Salem } \\ & 1 / 4 / 2009(33) \end{aligned}$ |
| $\sim: \stackrel{\omega}{+}$ | $\begin{array}{l:l:c} \hline \\ \hline \end{array}:-\underset{N}{0}$ | ＇： |  |  | $: \perp \stackrel{N}{\Delta} \stackrel{\theta}{\omega}:$ | 嵃：：：：： | N：ज口 | 合：： | －i i i い | 1 1 1 \％ | $\begin{aligned} & \text { Tifffin } \\ & \text { 12/20/2008 (11) } \end{aligned}$ |
| の：心！ | $\begin{gathered} \stackrel{\omega}{N} \\ \stackrel{\rightharpoonup}{\infty} \\ \xrightarrow{\circ} \\ \text { vN } \end{gathered}$ | （：NN： |  | $\begin{array}{l:ll:l} \vec{N} & \stackrel{\rightharpoonup}{0}: & \\ \hline \end{array}$ | $: \quad \underset{N}{\omega} \vec{N}$ | $\omega_{\omega}^{\omega}$ | ：$:$ د | $\begin{array}{l:l:l} \stackrel{\rightharpoonup}{\rightleftarrows} \\ \stackrel{\rightharpoonup}{\circ} & : & 0 \\ N \end{array}$ |  | $\begin{aligned} & \mathscr{M} \\ & \infty \\ & +\infty \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { Toledo } \\ \text { 12/14/2008 (3) } \end{array}$ |


|  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { त } \\ & 0 \\ & \tilde{5} \\ & 0 \\ & 0 \\ & \dot{0} \\ & \frac{0}{0} \\ & \vdots=0 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Killdeer | --- | --- | --- | 2 | --- | 1 | --- | 62 | 21 | 21 |
| Purple Sandpiper | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 |
| Wilson's Snipe | --- | --- | --- | --- | 1 | --- | --- | 29 | 9 | 9 |
| Little Gull | --- | --- | --- | --- | --- | --- | --- | 2 | 2 | 2 |
| Bonaparte's Gull | --- | --- | --- | 5 | --- | --- | --- | 41986 | 18 | 19 |
| Black-headed Gull | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Ring-billed Gull | 618 | 8 | 243 | 1992 | 38 | --- | 608 | 125472 | 51 | 51 |
| Herring Gull | 13 | --- | --- | 3 | 1 | 1 | 3 | 16923 | 36 | 36 |
| Thayer's Gull | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Iceland Gull | --- | --- | --- | --- | --- | --- | --- | 2 | 1 | 2 |
| Kumlien's Gull | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 |
| Lesser Black-backed Gull | --- | --- | --- | --- | --- | --- | --- | 21 | 4 | 4 |
| Glaucous Gull | --- | --- | --- | --- | --- | --- | --- | 9 | 4 | 4 |
| Great Black-backed Gull | --- | --- | --- | --- | --- | --- | --- | 520 | 9 | 9 |
| gull sp. | --- | --- | --- | --- | --- | --- | --- | 32558 | 4 | 4 |
| Pomarine Jaeger | --- | --- | --- | --- | --- | --- | --- | 4 | 1 | 1 |
| Parasitic Jaeger | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Common Tern | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Rock Pigeon | 218 | 32 | 160 | 737 | 694 | 260 | 433 | 33730 | 63 | 63 |
| Eurasian Collared-Dove | --- | --- | --- | --- | --- | --- | --- | 13 | 1 | 1 |
| Mourning Dove | 137 | 69 | 417 | 335 | 572 | 420 | 23 | 24005 | 67 | 67 |
| Barn Owl | --- | --- | --- | --- | --- | 1 | --- | 10 | 5 | 5 |
| Eastern Screech-Owl | 1 | --- | 1 | 1 | 1 | 18 | --- | 295 | 45 | 47 |
| Great Horned Owl | --- | --- | --- | cw | 1 | 11 | --- | 197 | 45 | 48 |
| Snowy Owl | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Barred Owl | 1 | --- | 2 | 1 | 2 | 6 | 1 | 132 | 40 | 42 |
| Long-eared Owl | --- | --- | --- | --- | --- | --- | --- | 19 | 10 | 11 |
| Short-eared Owl | --- | --- | --- | cw | --- | 5 | --- | 31 | 12 | 13 |
| Northern Saw-whet Owl | --- | --- | --- | --- | --- | --- | --- | 9 | 5 | 5 |
| Rufous Hummingbird | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 |
| Belted Kingfisher | --- | --- | --- | 14 | 5 | 5 | 1 | 328 | 52 | 52 |
| Red-headed Woodpecker | 18 | --- | --- | --- | 4 | 13 | 1 | 186 | 32 | 32 |
| Red-bellied Woodpecker | 28 | 6 | 18 | 106 | 130 | 172 | 9 | 4546 | 67 | 67 |
| Yellow-bellied Sapsucker | 1 | 2 | 3 | 22 | --- | 3 | --- | 200 | 47 | 47 |
| Downy Woodpecker | 47 | 14 | 35 | 123 | 139 | 232 | 21 | 6019 | 67 | 67 |
| Hairy Woodpecker | 9 | 2 | 8 | 8 | 35 | 33 | 6 | 1132 | 64 | 66 |
| Northern Flicker | 8 | 6 | 17 | 21 | 54 | 57 | 1 | 1813 | 67 | 67 |
| Pileated Woodpecker | 9 | --- | 2 | 14 | 16 | 12 | 1 | 728 | 52 | 53 |
| woodpecker sp. | --- | --- | --- | --- | --- | --- | --- | 5 | 2 | 2 |
| Eastern Phoebe | --- | --- | --- | --- | 2 | --- | --- | 15 | 8 | 8 |
| Northern Shrike | 1 | --- | 1 | --- | --- | --- | --- | 18 | 15 | 16 |
| White-eyed Vireo | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | 1 |
| Blue Jay | 255 | 34 | 90 | 41 | 211 | 364 | 21 | 10200 | 67 | 67 |
| American Crow | 184 | 3 | 144 | 2636 | 347 | 1415 | 1319 | 72408 | 66 | 66 |
| Horned Lark | --- | 717 | 26 | 152 | 58 | 312 | 2 | 7418 | 48 | 48 |
| Carolina Chickadee | --- | --- | --- | 675 | 181 | 218 | --- | 9032 | 40 | 40 |
| Black-capped Chickadee | 192 | 46 | 116 | --- | 27 | 6 | 85 | 5339 | 38 | 38 |
| chickadee sp. | --- | -- | --- | --- | 26 | --- | --- | 724 | 11 | 11 |
| Tufted Titmouse | 62 | 2 | 36 | 321 | 231 | 187 | 39 | 7437 | 67 | 67 |
| Red-breasted Nuthatch | 2 | 2 | 1 | 2 | 1 | 11 | 1 | 391 | 43 | 44 |
| White-breasted Nuthatch | 35 | 28 | 58 | 81 | 125 | 163 | 29 | 5896 | 67 | 67 |
| Brown Creeper | 4 | 1 | 5 | 16 | 12 | 23 | 3 | 706 | 60 | 60 |
| Carolina Wren | 14 | --- | 8 | 113 | 72 | 94 | 7 | 2791 | 66 | 66 |
| House Wren | --- | --- | --- | --- | --- | --- | --- | 2 | 2 | 2 |
| Winter Wren | --- | --- | --- | 3 | 2 | 3 | --- | 100 | 33 | 33 |
| Marsh Wren | --- | --- | --- | --- | --- | 1 | --- | 1 | 1 | 2 |
| wren sp. | --- | --- | --- | --- | --- | --- | -- | 1 | 1 | 1 |
| Golden-crowned Kinglet | 3 | --- | 2 | 54 | 22 | 42 | 3 | 1168 | 58 | 58 |
| Ruby-crowned Kinglet | --- | --- | --- | 6 | --- | 1 | --- | 47 | 22 | 22 |
| kinglet sp. | --- | --- | --- | --- | --- | --- | --- | 4 | 1 | 1 |
| Blue-gray Gnatcatcher | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Eastern Bluebird | 110 | --- | 27 | 43 | 133 | 231 | 12 | 4606 | 60 | 60 |
| Hermit Thrush | --- | --- | --- | 1 | --- | --- | --- | 63 | 24 | 25 |
| American Robin | 10 | 5 | 11 | 3127 | 8 | 107 | 16 | 35456 | 64 | 65 |
| Gray Catbird | --- | --- | --- | 1 | --- | 1 | --- | 11 | 9 | 10 |
| Northern Mockingbird | --- | --- | --- | 32 | 35 | 17 | 6 | 885 | 44 | 44 |
| Brown Thrasher | --- | --- | --- | 1 | --- | --- | --- | 7 | 6 | 6 |
| European Starling | 779 | 1188 | 6669 | 13715 | 4394 | 1452 | 368 | 339638 | 67 | 67 |
| American Pipit | --- | --- | --- | 23 | --- | --- | --- | 75 | 6 | 7 |
| Cedar Waxwing | 15 | --- | --- | 356 | 4 | 85 | 8 | 5164 | 53 | 54 |
| Orange-crowned Warbler | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Yellow-rumped Warbler | 4 | --- | 14 | 47 | 7 | 13 | --- | 1340 | 52 | 52 |

The Ohio Cardinal, Winter 2008-2009


The Ohio Cardinal, Winter 2008-2009

|  |  |  |  |  |  |  |  |  |  |  | Grand Lake-St. Marys 12/27/2008 (41) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | 4 | 6 | --- | 8 | 3 | 22 | --- | 1 | --- | --- | --- | 1 | -- | --- | 4 |
| 49 | 164 | 61 | 568 | 41 | 303 | 108 | 163 | 348 | 374 | 31 | 135 | 747 | 42 | 260 | 53 |
| --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- |
| --- | --- | 4 | 8 | 4 | --- | 23 | 3 | 1 | --- | --- | --- | 28 | 2 | --- | 2 |
| --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | cw | 1 | 1 | 1 | 2 | --- | --- | 1 | --- | --- | 1 | --- | cW | --- |
| 26 | 30 | 176 | 97 | 60 | 74 | 155 | 33 | 99 | 66 | 3 | 25 | 119 | 22 | 32 | 96 |
| --- | --- | --- | --- | --- | --- | --- | --- | -- | -- | --- | --- | --- | --- | --- | --- |
| --- | 1 | 4 | 9 | 1 | 5 | 29 | 44 | 4 | 16 | --- | 4 | 5 | 1 | 13 | 11 |
| 85 | 61 | 607 | 211 | 195 | 108 | 154 | 10 | 37 | 79 | 5 | --- | 65 | 5 | 149 | 359 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 17 | 28 | --- | 50 | 50 | --- | 18 | --- | --- | 1 | 26 | 10 | 3 | 3 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| 58 | 428 | 534 | 1120 | 171 | 468 | 166 | 185 | 255 | 213 | 150 | 118 | 1058 | 61 | 251 | 141 |
| --- | --- | --- | --- | --- | --- | --- | 5 | --- | 130 | --- | 1 | 10 | --- | 300 | --- |
| --- | 1 | --- | --- | --- | --- | --- | 2 | --- | 40 | 60 | --- | 35 | --- | --- | --- |
| 76 | 255 | 453 | 881 | 190 | 297 | 276 | 123 | 77 | 146 | 41 | 47 | 481 | 43 | 183 | 213 |
| --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | 3 | 9 | 4 | 5 | 5 | 7 | 1 | 1 | --- | --- | cW | --- | 2559 | 633 |
| --- | --- | 1 | --- | --- | --- | 6 | --- | --- | --- | --- | --- | --- | 1 | --- | --- |
| --- | --- | --- | --- | --- | --- | 1 | --- | --- | 1 | --- | --- | --- | --- | --- | 1 |
| --- | --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- |
| 13 | 1 | 9 | 8 | 10 | 5 | --- | 33 | 12 | 71 | --- | 2 | --- | --- | 2220 | 33 |
| 2 | --- | 7 | 8 | 1 | 17 | 2 | --- | 13 | 151 | --- | 1 | 8 | --- | 1426 | 30 |
| 1 | --- | 4 | 2 | --- | --- | 1 | --- | --- | 3 | --- | --- | 13 | --- | --- | --- |
| 65 | 212 | 622 | 342 | 90 | 193 | 25 | 72 | 62 | 88 | 5 | 38 | 187 | 15 | 90 | 197 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| --- | 7 | --- | 17 | --- | --- | --- | --- | --- | --- | --- | --- | 74 | --- | --- | --- |
| --- | --- | --- | 4 | --- | --- | --- | --- | --- | --- | --- | --- | 20 | --- | --- | --- |
| 1 | 54 | 2 | 150 | --- | 6 | --- | 2 | 17 | 5 | --- | --- | 939 | --- | 1 | --- |
| 64 | 285 | 591 | 871 | 138 | 242 | 119 | 348 | 82 | 215 | 45 | 98 | 424 | 37 | 119 | 203 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 182 | 525 | 1123 | 1781 | 214 | 605 | 168 | 239 | 71 | 1461 | 52 | 519 | 1258 | 502 | 1472 | 105 |
| 61 | 81 | 79 | 82 | 72 | 66 | 73 | 70 | 69 | 77 | 44 | 55 | 80 | 44 | 79 | 81 |
| 28338 | 38891 | 54230 | 26176 | 16899 | 11021 | 7435 | 53947 | 38869 | 21541 | 1714 | 6825 | 17649 | 5669 | 60728 | 66887 |
| 13 | 50 | 41 | 103 | 38 | 41 | 14 | 22 | 17 | 13 | 2 | 8 | 39 | 17 | 16 | 15 |
| 25.00 | 91.50 | 122.00 | 223.00 | 73.00 | 85.50 | 30.50 | 44.00 | 30.00 | 40.00 | 11.00 | 32.50 | 111.00 | 51.00 | 48.50 | 34.00 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pine Warbler | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Palm Warbler | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Common Yellowthroat | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- |
| Eastern Towhee | 97 | --- | --- | --- | 23 | --- | --- | 6 | 2 | --- | 138 | 6 | --- | 5 |
| American Tree Sparrow | 37 | 56 | 125 | 131 | 93 | 4 | 97 | 2 | 79 | 93 | 893 | 216 | 16 | 1 |
| Chipping Sparrow | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | 1 | 1 | --- |
| Field Sparrow | 27 | cw | --- | --- | --- | --- | --- | --- | 3 | --- | 53 | 13 | --- | --- |
| Savannah Sparrow | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8 | --- | --- | --- |
| Fox Sparrow | --- | 3 | 8 | --- | --- | --- | --- | --- | --- | --- | 1 | cw | --- | --- |
| Song Sparrow | 128 | 53 | 15 | 57 | 101 | 2 | 25 | 51 | 75 | 5 | 1571 | 199 | 11 | 22 |
| Lincoln's Sparrow | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Swamp Sparrow | 4 | 13 | 2 | cw | 2 | 2 | 4 | 2 | 3 | 4 | 58 | 3 | --- | --- |
| White-throated Sparrow | 93 | 112 | 2 | 2 | 72 | 137 | 14 | 11 | 35 | 66 | 318 | 64 | 1 | 20 |
| Harris's Sparrow | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| White-crowned Sparrow | 13 | 8 | 5 | 5 | 50 | 1 | --- | 4 | 16 | --- | 838 | 65 | 1 | 1 |
| sparrow sp. | --- | --- | 3 | --- | --- | 8 | --- | --- | --- | --- | --- | --- | --- | --- |
| Dark-eyed Junco | 309 | 332 | 175 | 42 | 483 | 154 | 179 | 104 | 681 | 104 | 1180 | 606 | 85 | 245 |
| Lapland Longspur | --- | --- | 630 | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- |
| Snow Bunting | --- | --- | cw | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| Northern Cardinal | 168 | 213 | 78 | 37 | 214 | 130 | 132 | 97 | 279 | 94 | 1985 | 342 | 45 | 176 |
| Painted Bunting | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Dickcissel | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bobolink | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Red-winged Blackbird | 1 | 3 | --- | 1 | 35 | 1 | 4 | --- | --- | 24 | 72 | 1 | --- | 9 |
| Eastern Meadowlark | --- | --- | --- | cw | 48 | --- | --- | --- | 1 | --- | 3 | --- | --- | 9 |
| Rusty Blackbird | --- | --- | --- | --- | 30 | 1 | --- | 1 | --- | --- | 34 | --- | --- | --- |
| Brewer's Blackbird | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| blackbird sp. | --- | --- | --- | --- | --- | --- | --- | 10000 | --- | --- | 1 | --- | --- | --- |
| Common Grackle | 20 | --- | --- | 1 | 475 | 2 | 1 | 114 | 31 | --- | 34 | 150 | --- | 6 |
| Brown-headed Cowbird | --- | --- | 27 | 100 | 135 | 7 | --- | 3 | 7 | --- | 50 | 7 | 1 | --- |
| Purple Finch | 28 | 19 | --- | 1 | 5 | 8 | --- | 3 | --- | --- | 3 | 5 | --- | 4 |
| House Finch | 36 | 174 | 19 | 44 | 86 | 70 | 156 | 55 | 109 | 88 | 462 | 92 | 27 | 7 |
| Red Crossbill | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| White-winged Crossbill | 49 | --- | --- | --- | --- | --- | --- | --- | --- | 1 | 46 | 55 | --- | --- |
| Common Redpoll | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | cw | --- | --- |
| Pine Siskin | 213 | --- | 2 | --- | 10 | 8 | 83 | 21 | 51 | 54 | 243 | 108 | --- | 11 |
| American Goldfinch | 251 | 193 | 53 | 80 | 167 | 78 | 168 | 86 | 365 | 92 | 988 | 198 | 66 | 88 |
| Evening Grosbeak | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| House Sparrow | 32 | 222 | 885 | 329 | 472 | 344 | 336 | 67 | 962 | 1113 | 2849 | 502 | 40 | 72 |
| total species | 66 | 70 | 53 | 49 | 63 | 79 | 69 | 68 | 66 | 56 | 86 | 80 | 34 | 51 |
| total individuals | 4063 | 23160 | 7424 | 6579 | 28613 | 82440 | 25182 | 13761 | 27259 | 6245 | 29495 | 9562 | 1485 | 2352 |
| observers | 59 | 33 | 12 | 15 | 29 | 15 | 48 | 17 | 24 | 23 | 102 | 40 | 4 | 5 |
| party hours | 68.00 | 92.25 | 32.00 | 34.75 | 50.75 | 53.00 | 58.25 | 32.00 | 85.00 | 33.00 | 288.50 | 92.00 | 21.00 | 28.25 |

The Ohio Cardinal, Winter 2008-2009

|  | $\begin{aligned} & \text { O'Shaughnessy Reservoir } \\ & \text { 1/3/2009 (54) } \end{aligned}$ | $\dot{\square}$ <br> 3 于 <br> 28 <br> 잉 <br> $\stackrel{\text { T0 }}{ \pm}$ |  |  |  |  |  |  |  |  |  |  |  | Tiffin 12/20/2008 (11) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 | --- | --- | --- | --- |
| -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 5 | 8 | 31 | --- | 6 | 1 | 5 | 25 | 2 | --- | 3 | 1 |
| 84 | 237 | 1073 | 28 | 59 | 10 | 15 | 17 | 6 | 13 | 125 | 911 | 407 | 176 | 371 | 640 |
| 4 | --- | --- | --- | --- | --- | --- | --- | 2 | --- | --- | --- | --- | --- | --- | --- |
| 25 | 6 | 1 | --- | --- | 3 | 8 | --- | 76 | 3 | 4 | 99 | 3 | 1 | --- | 2 |
| 1 | 5 | --- | --- | --- | --- | --- | --- | 8 | --- | --- | 5 | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | 1 | 3 | --- | --- | 1 | --- | --- | --- | --- | --- | 10 |
| 210 | 103 | 109 | cW | 45 | 39 | 299 | 5 | 101 | 22 | 75 | 1265 | 33 | 95 | 37 | 145 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 |
| 52 | 2 | 55 | --- | 1 | 3 | 24 | 1 | 9 | --- | 7 | 16 | 4 | 6 | --- | 158 |
| 136 | 99 | 39 | --- | 108 | 41 | 76 | --- | 49 | --- | 25 | 347 | 2 | 9 | 43 | 211 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | -- | --- | --- |
| 40 | 9 | 14 | --- | 5 | 4 | 25 | 3 | 2 | 7 | 37 | 797 | 11 | 25 | 6 | 41 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 64 | 308 | 128 | 27 | 197 | 83 | 187 | 72 | 114 | 34 | 249 | 1437 | 389 | 222 | 710 | 590 |
| --- | --- | --- | --- | --- | --- | --- | 4 | --- | --- | --- | 1 | 613 | --- | 15 | 28 |
| --- | --- | 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 198 | --- | 455 | 76 |
| 161 | 281 | 154 | 17 | 195 | 50 | 358 | 37 | 169 | 36 | 241 | 1598 | 121 | 188 | 253 | 361 |
| --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1 |
| 285 | --- | 1013 | --- | --- | 4 | 8 | --- | --- | --- | 54 | 67 | 2 | --- | 43 | 8 |
| 6 | --- | --- | --- | --- | 68 | --- | --- | 12 | 28 | --- | 29 | 1 | --- | 29 | --- |
| 175 | --- | 1 | --- | --- | --- | --- | --- | --- | --- | --- | 10 | --- | --- | --- | 23 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4 | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 192 | --- | --- | --- | 12 |
| 1 | 4 | --- | --- | --- | --- | 2 | --- | --- | --- | 405 | 411 | 1 | --- | 279 | 8 |
| 18 | 1 | 34 | --- | 1 | --- | 1 | --- | 6 | --- | 3 | 60 | 22 | --- | 31 | 20 |
| 18 | 1 | 9 | 1 | 1 | 4 | --- | --- | --- | 3 | --- | 6 | --- | --- | 14 | 2 |
| 54 | 150 | 47 | 1 | 20 | 30 | 116 | 21 | 12 | 12 | 57 | 472 | 85 | 24 | 104 | 162 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | 1 | --- | --- | --- | --- | --- | --- | --- | 12 | --- | --- | --- | --- |
| --- | --- | --- | cw | --- | --- | --- | --- | --- | --- | --- | 5 | --- | --- | --- | --- |
| 1 | 5 | 18 | --- | --- | --- | 7 | 23 | 36 | --- | 34 | 213 | 10 | 12 | 14 | 29 |
| 184 | 192 | 431 | 13 | 69 | 98 | 159 | 63 | 231 | 35 | 114 | 922 | 149 | 121 | 202 | 398 |
| --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- |
| 110 | 672 | 1192 | 83 | 339 | 15 | 198 | 137 | 46 | 62 | 316 | 1536 | 572 | 597 | 1027 | 1110 |
| 79 | 76 | 66 | 36 | 69 | 70 | 72 | 41 | 79 | 42 | 69 | 85 | 72 | 51 | 58 | 96 |
| 23872 | 17846 | 19807 | 1473 | 6643 | 4042 | 11660 | 1816 | 6895 | 1693 | 13081 | 30204 | 11125 | 8187 | 16876 | 78143 |
| 11 | 34 | 21 | 3 | 21 | 10 | 29 | 6 | 16 | 60 | 15 | 89 | 16 | 13 | 15 | 30 |
| 44.75 | 65.50 | 41.00 | 11.75 | 204.00 | 33.00 | 61.75 | 12.75 | 38.50 | 21.00 | 54.50 | 267.50 | 73.00 | 47.50 | 41.25 | 76.00 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pine Warbler | --- | --- | --- | --- | --- | 1 | --- | 6 | 3 | 3 |
| Palm Warbler | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | , |
| Common Yellowthroat | --- | --- | --- | --- | --- | --- | --- | 2 | 1 | , |
| Eastern Towhee | 3 | --- | 1 | 17 | 7 | 33 | 1 | 695 | 43 | 43 |
| American Tree Sparrow | 203 | 131 | 30 | 61 | 443 | 928 | 16 | 13668 | 66 | 66 |
| Chipping Sparrow | --- | --- | 4 | 4 | --- | 1 | --- | 51 | 16 | 16 |
| Field Sparrow | --- | 5 | --- | 59 | 2 | 7 | --- | 680 | 39 | 40 |
| Savannah Sparrow | --- | --- | --- | --- | --- | 4 | --- | 110 | 10 | 10 |
| Fox Sparrow | --- | --- | --- | 1 | --- | --- | --- | 48 | 19 | 22 |
| Song Sparrow | 26 | --- | 21 | 326 | 254 | 313 | 12 | 8770 | 65 | 66 |
| Lincoln's Sparrow | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Swamp Sparrow | 4 | --- | 2 | 8 | 12 | 61 | --- | 809 | 54 | 55 |
| White-throated Sparrow | 18 | 2 | 5 | 391 | 65 | 110 | 6 | 6347 | 63 | 63 |
| Harris's Sparrow | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| White-crowned Sparrow | 2 | 2 | 2 | 12 | 264 | 210 | 4 | 3077 | 56 | 56 |
| sparrow sp. | --- | --- | --- | --- | --- | --- | --- | 12 | 3 | 3 |
| Dark-eyed Junco | 117 | 105 | 119 | 516 | 566 | 777 | 55 | 22181 | 67 | 67 |
| Lapland Longspur | --- | --- | --- | --- | --- | 7 | --- | 2110 | 15 | 16 |
| Snow Bunting | 71 | --- | --- | --- | --- | --- | --- | 1057 | 13 | 15 |
| Northern Cardinal | 141 | 48 | 79 | 597 | 657 | 605 | 100 | 17816 | 66 | 66 |
| Painted Bunting | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Dickcissel | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Bobolink | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| Red-winged Blackbird | --- | --- | 16 | 10 | 8 | 79 | --- | 6902 | 43 | 44 |
| Eastern Meadowlark | --- | --- | 3 | 1 | --- | 15 | --- | 370 | 22 | 23 |
| Rusty Blackbird | --- | --- | --- | 70 | --- | 87 | --- | 436 | 14 | 14 |
| Brewer's Blackbird | --- | --- | --- | --- | --- | --- | --- | 8 | 2 | 2 |
| blackbird sp. | --- | --- | --- | --- | 4 | --- | --- | 10224 | 6 | 6 |
| Common Grackle | --- | 20 | 3 | cw | 1 | 2 | --- | 11003 | 40 | 42 |
| Brown-headed Cowbird | --- | --- | 3 | 1 | 107 | 68 | --- | 3049 | 45 | 46 |
| Purple Finch | 1 | 1 | 4 | 4 | 3 | --- | --- | 397 | 41 | 41 |
| House Finch | 15 | 72 | 34 | 200 | 221 | 105 | 37 | 7326 | 67 | 67 |
| Red Crossbill | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| White-winged Crossbill | --- | --- | --- | --- | --- | 3 | --- | 281 | 11 | 11 |
| Common Redpoll | --- | --- | --- | --- | --- | --- | --- | 69 | 4 | 6 |
| Pine Siskin | 298 | --- | 8 | 2 | 25 | 148 | 20 | 3220 | 51 | 52 |
| American Goldfinch | 76 | 11 | 100 | 292 | 522 | 285 | 38 | 14327 | 67 | 67 |
| Evening Grosbeak | --- | --- | --- | --- | --- | --- | --- | 1 | 1 | 1 |
| House Sparrow | 161 | 439 | 313 | 208 | 1034 | 679 | 201 | 34673 |  |  |
| total species | 62 | 37 | 58 | 81 | 69 | 90 | 59 | 161 |  |  |
| total individuals | 10084 | 3349 | 11624 | 30584 | 12949 | 17358 | 5135 | 1219525 |  |  |
| observers | 9 | 13 | 24 | 39 | 46 | 35 | 14 | 1648 |  |  |
| party hours | 55.00 | 38.25 | 52.00 | 86.50 | 92.50 | 102.25 | 26.00 | 4070.75 |  |  |

