The Hocking Hills is also an excellent area for several bird species of southern persuasion. These include black vulture, summer tanager, and worm-eating and Kentucky warblers. A red-cockaded woodpecker found by Eddie Bower on 22 April 1975 was located independently by Worth Randle a week later. This bird may not have been as out of place as one might think. A close examination of many of the upper slope areas at Hocking reveal the remains of many shortleaf pines that have been overtaken by a progession to deciduous woods.

Acadian flycatchers, eastern wood-pewees, eastern phoebes, wood thrushes, red-eyed vireos, ovenbirds, hooded warblers, pine warblers, yellow-throated warblers, northern parulas, Louisiana waterthrushes, and scarlet tanagers are all common throughout the Hocking area. On the other hand, cerulean warblers are decidedly scarce, probably due to a lack of old growth forest in the area.

Species which frequent the gorge rims include hairy woodpeckers, great-crested flycatchers, white-breasted nuthatches, and yellow-throated vireos. White-eyed vireos, prairie warblers, and yellow-breasted chats can be found in the cut-over areas. As night approaches, whip-poor-wills can sometimes be heard at the campground and barred owls can be found at Conkle's Hollow.

The hawks are well represented at Hocking. These include red-tailed, red-shouldered, Cooper's, and sharp-shinned. Cantwell Cliffs is a particularly good area to view these raptors as they soar on thermals above the cliff edges. The broad-winged hawk is more often heard than seen in the Upper Falls area of Old Man's Cave.

Perched upon a northern outlier of cliff section plateau that barely escaped being steam-rolled by the glaciers, the Hocking Hills contain a gumbo mix of northern and southern features. There are few places in Ohio where Canada yew drapes sheer rock cliffs crowned by shortleaf pine, where the worm-eating's rattling trill alternates with the Canada warbler's lilting serenade.

And what of Worth's red crossbills? And what of his winter wren, purple finch, and ruby-crowned kinglet? These are just a few of the unsolved mysteries that await future inquiring observers in the deep, lush gorges of the Hocking Hills.

ACKNOWLEDGEMENT

Special thanks to Larry Gara for sharing much information on his trips to Hocking as well as his letters from Worth Randle.

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The 1998-99 Christmas Bird Counts

by Ned Keller

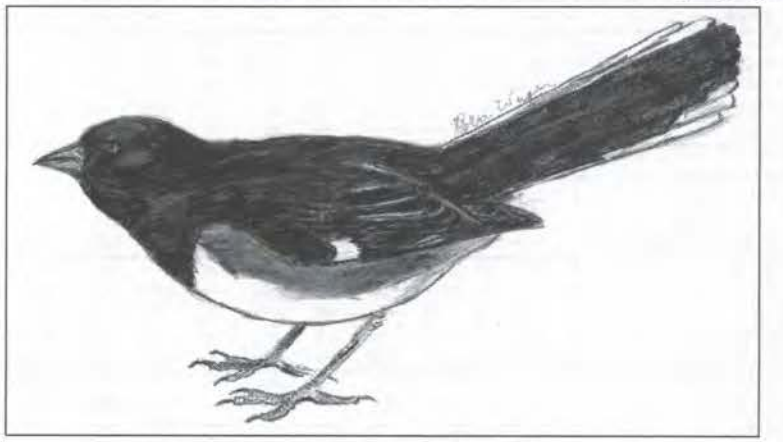
This year we present the results from 56 Christmas Count circles located entirely or partly within Ohio. At least two other counts, East Fork Lake and Greenville, were cancelled due to severe weather. Most of the results were reported directly to us, but a few were gleaned from reports published on the internet. Speaking of the internet, two web sites have interesting information about the Christmas Counts. Cornell University has the data from all 99 years of counts at http://www.birdsource.com/cbc/index.html and Patuxent Wildlife Research Center has a page from which you can generate maps of species abundance and population trends at http://www.mbr.nbs.gov/bbs/cbc.html.

We found 683,718 individuals of 151 species this year, plus two additional species, northern goshawk and Wilson's warbler, during count week. Both numbers were down from last year, when we saw 874,563 individuals of 153 species. Fourteen of this year's birds were represented by only a single individual: harlequin duck, white-winged scoter, oldsquaw, American avocet, greater yellowlegs, dunlin, pomarine jaeger, little gull, common tern, palm warbler, black-and-white warbler, a tanager not identified to species, vesper sparrow, and common redpoll.

As the above list and the charts indicate, there was an unusual variety of very late shorebirds and warblers. Conspicuously lacking this year, though, were winter finches. Besides the single common redpoll, there were only 29 pine siskins, and no evening grosbeaks or crossbills.

The Millersburg circle had by far the most species this year, with 91. The only other circles to reach 80 or above were Cuyahoga Falls and Cincinnati, with 83 each, and Portsmouth, with 80.

As always, we have printed all the reports as submitted to us (with the exception of a couple of obvious exotics), regardless of documentation. Records marked with an asterisk (*) in the charts were accompanied by written documentation. A plus sign (+) indicates that the bird was seen outside Ohio. Finally, the number in parentheses following the name of the count refers to the numbered circle on the accompanying map.



Eastern Towhee
by Ben Winger

Northwest Region

	Bucyrus 26 Dec. 1998 (14)	Firelands 19 Dec. 1998 (9)	Fremont 27 Dec. 1998 (8)	Grand Rapids-Waterville 2 Jan. 1999 (2)	Gypsum 1 Jan. 1999 (6)	Hancock Co. 19 Dec. 1998 (10)	Lake Erie Islands 18 Dec. 1998 (5)	Mansfield 19 Dec. 1998 (13)	Ottawa N.W.R. 3 Jan. 1999 (4)	Plymouth 27 Dec. 1998 (12)	Tiffin 19 Dec. 1998 (11)	Toledo 20 Dec. 1998 (3)
Common Loon	—	2	—	—	—	1	9	4	—	—	—	—
Pied-billed Grebe	—	1	—	CW	—	2	—	12	—	1	—	6
Horned Grebe	—	—	—	—	—	1	8	—	—	—	—	—
Red-necked Grebe	—	—	—	—	—	—	1	—	—	—	—	—
Double-crested Cormorant	—	2	—	CW	29	—	94	—	—	—	—	2
Great Blue Heron	CW	65	27	1	27	10	—	11	2	1	2	61
Great Egret	—	1	—	—	1	—	—	—	—	—	—	—
Black-crowned Night-Heron	—	—	—	—	—	—	CW	—	—	—	—	42
Turkey Vulture	—	—	—	—	—	—	—	1	—	—	—	—
Greater White-fronted Goose	—	—	—	3	—	—	—	—	—	—	—	—
Snow Goose	—	—	—	—	—	—	—	1	41	—	—	—
Canada Goose	193	1185	299	1265	546	421	206	1009	2644	88	588	649
Mute Swan	—	—	—	—	42	—	—	—	—	—	—	—
Trumpeter Swan	—	—	—	—	—	—	—	—	9	—	—	—
Tundra Swan	—	—	—	CW	20	—	7	—	91	—	—	—
Wood Duck	1	—	—	1	1	8	—	—	—	—	—	10
Gadwall	—	4	—	5	172	—	CW	—	—	—	—	201
American Wigeon	—	—	—	1	86	—	—	—	—	—	—	—
American Black Duck	—	54	—	25	988	—	21	CW	50	62	—	179
Mallard	191	910	192	1565	13598	124	421	213	1506	624	570	1385
American Black Duck X Mallard	—	—	—	—	6	—	—	—	—	—	—	—
Blue-winged Teal	10	—	—	—	—	—	—	—	—	—	—	—
Northern Shoveler	—	—	—	CW	135	—	—	CW	3	—	—	286
Northern Pintail	—	—	—	CW	17	—	1	—	—	1	—	10
Green-winged Teal	—	CW	—	CW	7	—	—	2	—	—	—	64
Canvasback	—	—	—	CW	1	—	12	—	—	—	—	—
Redhead	—	—	—	1	—	—	8	—	2	—	—	—
Ring-necked Duck	—	—	—	CW	1	—	—	CW	—	—	—	2
Greater Scaup	—	—	—	—	1	—	—	—	—	—	—	21
Lesser Scaup	—	1	—	—	2	—	—	3	—	—	—	354
Scaup sp.	—	—	—	1	—	—	46	—	—	—	—	104
Harlequin Duck	—	—	—	—	—	—	1	—	—	—	—	—
Surf Scoter	—	—	—	—	—	—	—	—	—	—	—	—
White-winged Scoter	—	—	—	—	—	—	—	—	—	—	—	—
Black Scoter	—	—	—	—	—	—	—	—	—	—	—	—
Bufflehead	—	1	—	—	20	10	884	19	—	4	—	13
Common Goldeneye	—	—	—	5	247	—	246	—	CW	—	—	23
Hooded Merganser	—	—	—	—	19	23	6	1	—	—	—	67
Common Merganser	—	2	—	2	947	—	115	—	CW	—	—	34
Red-breasted Merganser	—	22	—	—	331	—	2748	2	CW	3	—	2
Merganser sp.	—	—	—	—	—	—	100	—	—	—	—	8
Ruddy Duck	—	—	—	3	15	3	—	CW	2	3	—	41
Bald Eagle	—	9	1	1	20	—	3	—	2	—	9	4
Northern Harrier	4	1	—	—	6	1	—	2	1	13	22	2
Sharp-shinned Hawk	1	4	—	CW	—	—	2	3	—	—	1	2
Cooper's Hawk	1	4	2	1	3	5	4	5	2	2	9	7
Northern Goshawk	—	—	—	—	—	—	—	—	CW	—	—	—
Accipiter sp.	—	—	—	—	—	—	—	4	—	—	—	—
Red-shouldered Hawk	—	—	—	—	—	—	CW	1	—	—	—	—
Red-tailed Hawk	18	32	4	7	29	26	11	32	11	13	60	31

Northeast Region

	Ashland 27 Dec. 1998 (30)	Ashtabula 12 Dec. 1998 (25)	Beaver Creek 26 Dec. 1998 (36)	Burton 1 Jan. 1999 (27)	Cleveland 19 Dec. 1998 (23)	Cuyahoga Falls 20 Dec. 1998 (29)	Elyria-Lorain 19 Dec. 1998 (20)	Lakewood 27 Dec. 1998 (21)	Mohican State Forest 1 Jan. 1999 (35)	Salem 2 Jan. 1999 (33)	Trumbull Co. 20 Dec. 1998 (28)	Wellington 2 Jan. 1999 (26)	Wilmot 18 Dec. 1998 (32)	Wooster 26 Dec. 1998 (31)	Youngstown 19 Dec. 1998 (34)
Common Loon	—	1	—	—	1	—	4	12	—	—	CW	—	—	—	1
Pied-billed Grebe	—	1	2	—	2	15	1	3	1	—	—	—	—	8	4
Horned Grebe	—	1	—	—	15	4	2	14	—	—	1	—	—	—	—
Red-necked Grebe	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Double-crested Cormorant	—	6	—	—	—	—	6	1	—	—	CW	—	—	—	—
Great Blue Heron	30	—	6	4	25	33	11	4	2	2	13	—	18	13	29
Great Egret	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black-crowned Night-Heron	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Turkey Vulture	—	—	—	—	—	—	—	—	—	—	—	—	CW	—	1
Greater White-fronted Goose	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Snow Goose	—	—	2	—	1	—	2	—	1	—	CW	2	—	—	—
Canada Goose	204	1165	—	3014	2393	2768	1553	1321	717	1279	3281	1040	816	1817	2348
Mute Swan	—	—	—	4	—	10	—	—	—	2	—	2	1	—	—
Trumpeter Swan	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—
Tundra Swan	—	25	22	1	—	—	—	—	—	—	15	—	—	5	—
Wood Duck	—	—	—	—	6	6	—	6	—	—	24	—	15	—	—
Gadwall	—	—	—	2	16	1	—	—	8	—	27	—	—	12	14
American Wigeon	—	—	—	2	—	3	—	3	—	—	—	—	—	10	—
American Black Duck	13	57	39	18	24	32	8	72	21	63	42	1	18	282	29
Mallard	39	110	220	451	616	1435	562	1621	461	729	315	285	506	1088	586
American Black Duck X Mallard	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Blue-winged Teal	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—
Northern Shoveler	—	2	—	—	—	45	—	1	—	—	—	—	—	4	35
Northern Pintail	—	1	—	—	1	5	—	—	—	3	—	—	2	17	4
Green-winged Teal	—	—	—	—	CW	7	—	—	—	—	—	—	—	18	14
Canvasback	1	6	—	—	—	2	—	1	—	—	—	—	—	—	—
Redhead	—	1	—	—	—	8	—	—	—	—	—	10	—	—	—
Ring-necked Duck	—	—	1	4	—	71	—	3	—	—	—	6	—	—	—
Greater Scaup	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—
Lesser Scaup	—	2	—	—	—	3	—	—	5	—	—	—	—	—	—
Scaup sp.	—	—	—	—	—	—	—	145	—	—	—	—	—	—	—
Harlequin Duck	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Surf Scoter	—	—	—	—	3	—	—	11	—	—	—	—	—	—	—
White-winged Scoter	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Black Scoter	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Bufflehead	—	18	—	3	30	13	27	46	—	—	CW	—	—	—	—
Common Goldeneye	—	3	1	—	40	2	3	88	—	—	CW	—	—	—	1
Hooded Merganser	—	37	13	—	4	16	14	10	CW	6	8	—	—	3	16
Common Merganser	—	89	—	—	—	3	8	88	CW	—	—	—	—	—	10
Red-breasted Merganser	—	190	—	—	7000	—	1087	22000	—	—	—	—	—	—	3
Merganser sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ruddy Duck	—	—	—	—	—	319	93	28	25	1	CW	1	—	1	2
Bald Eagle	—	—	CW	1	—	—	—	—	1	—	7	—	—	—	7
Northern Harrier	1	—	8	1	—	—	2	—	4	12	8	11	10	11	2
Sharp-shinned Hawk	3	1	3	6	2	10	—	—	4	—	1	1	1	2	1
Cooper's Hawk	—	2	6	7	13	14	7	1	5	2	2	3	14	4	3
Northern Goshawk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Accipiter sp.	2	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Red-shouldered Hawk	2	—	1	11	3	6	—	2	3	2	6	—	CW	—	6
Red-tailed Hawk	36	5	30	37	20	62	19	8	61	30	31	11	85	54	18

Northwest Region

	Bucyrus 26 Dec. 1998 (14)	Firelands 19 Dec. 1998 (9)	Fremont 27 Dec. 1998 (8)	Grand Rapids-Waterville 2 Jan. 1999 (2)	Gypsum 1 Jan. 1999 (6)	Hancock Co. 19 Dec. 1998 (10)	Lake Erie Islands 18 Dec. 1998 (5)	Mansfield 19 Dec. 1998 (13)	Ottawa N.W.R. 3 Jan. 1999 (4)	Plymouth 27 Dec. 1998 (12)	Tiffin 19 Dec. 1998 (11)	Toledo 20 Dec. 1998 (3)
Rough-legged Hawk	1	—	—	—	3	—	—	—	CW	—	2	—
Buteo sp.	—	—	—	—	—	—	—	—	—	—	—	—
Large hawk sp.	—	—	—	—	—	—	—	—	—	—	—	—
American Kestrel	15	8	6	2	8	47	—	17	4	15	60	17
Merlin	—	—	—	—	—	—	—	—	—	—	—	—
Peregrine Falcon	—	—	—	—	—	—	—	—	—	—	—	—
Ring-necked Pheasant	—	—	1	—	—	—	19	4	—	—	—	3
Ruffed Grouse	—	—	—	—	—	—	—	—	—	—	—	—
Wild Turkey	CW	—	—	—	—	—	—	117	—	—	7	—
American Coot	—	—	—	1	13	4	—	610	—	14	—	2
Sandhill Crane	—	—	—	CW	—	—	—	—	—	—	—	—
Killdeer	—	14	—	CW	—	5	17	8	—	—	15	18
American Avocet	—	—	—	—	—	—	—	—	—	—	—	1 *
Sanderling	—	—	—	—	—	—	4	—	—	—	—	—
Dunlin	—	—	—	—	—	—	—	—	—	—	—	1
Common Snipe	—	—	—	1	—	—	—	—	—	—	6	—
American Woodcock	—	—	—	—	—	—	CW	—	—	—	1	—
Pomarine Jaeger	—	—	—	—	—	—	—	—	—	—	—	—
Franklin's Gull	—	—	—	—	—	—	—	—	—	—	—	—
Little Gull	—	—	—	—	—	—	—	—	—	—	—	—
Bonaparte's Gull	—	8	—	1	—	—	369	104	—	—	—	661
Ring-billed Gull	73	7162	2597	324	1476	983	779	750	1030	257	63	3879
Herring Gull	—	170	1	16	2647	4	684	13	65	4	8	1620
Thayer's Gull	—	—	—	—	—	—	—	—	—	—	—	—
Lesser Black-backed Gull	—	—	—	—	—	—	CW	—	—	—	—	1
Great Black-backed Gull	—	55	—	CW	85	—	47	—	4	—	—	71
Gull sp.	—	—	—	—	—	—	—	—	—	—	—	—
Common Tern	—	—	—	—	—	—	—	—	—	—	—	—
Rock Dove	36	425	215	12	94	445	6	182	61	118	639	916
Mourning Dove	124	110	2	56	177	141	14	383	151	169	427	521
Eastern Screech-Owl	—	7	—	6	5	5	7	21	CW	—	9	4
Great Horned Owl	—	4	—	—	1	4	11	1	CW	1	4	5
Barred Owl	1	1	—	1	—	—	—	—	—	—	5	—
Long-eared Owl	—	—	—	—	—	—	—	—	—	—	—	—
Short-eared Owl	—	—	—	—	3	—	—	—	—	1	—	—
Northern Saw-whet Owl	—	—	—	—	—	—	—	—	—	—	—	—
Belted Kingfisher	1	7	3	1	2	8	2	10	—	2	8	3
Red-headed Woodpecker	—	—	—	—	—	1	—	—	—	—	3	—
Red-bellied Woodpecker	9	23	2	9	14	27	17	65	4	9	53	8
Yellow-bellied Sapsucker	—	—	—	1	—	—	—	3	—	—	—	4
Downy Woodpecker	36	50	2	30	70	87	122	84	22	20	152	81
Hairy Woodpecker	—	6	—	11	6	17	1	7	4	1	11	6
Northern Flicker	3	18	1	3	15	27	74	11	CW	—	28	15
Pileated Woodpecker	—	2	—	—	—	—	—	4	—	2	5	—
Woodpecker sp.	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Phoebe	—	—	—	—	—	—	—	—	—	—	1	—
Northern Shrike	—	—	—	CW	—	—	1	—	—	—	—	1
Blue Jay	35	37	6	48	34	67	130	206	13	25	135	73
American Crow	259	53	15	102	8	208	71	19000	2	178	7635	86
Horned Lark	12	15	—	404	189	15	75	12	194	1015	296	—

Northeast Region

	Ashland 27 Dec. 1998 (30)	Ashtabula 12 Dec. 1998 (25)	Beaver Creek 26 Dec. 1998 (36)	Burton 1 Jan. 1999 (27)	Cleveland 19 Dec. 1998 (23)	Cuyahoga Falls 20 Dec. 1998 (29)	Elyria-Lorain 19 Dec. 1998 (20)	Lakewood 27 Dec. 1998 (21)	Mohican State Forest 1 Jan. 1999 (35)	Salem 2 Jan. 1999 (33)	Trumbull Co. 20 Dec. 1998 (28)	Wellington 2 Jan. 1999 (26)	Wilmot 18 Dec. 1998 (32)	Wooster 26 Dec. 1998 (31)	Youngstown 19 Dec. 1998 (34)
Rough-legged Hawk	—	—	—	3	—	—	—	—	8	—	—	—	7	2	—
Buteo sp.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Large hawk sp.	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
American Kestrel	20	2	13	5	1	17	16	—	18	11	19	9	54	31	11
Merlin	1 *	—	—	—	1	1	—	1	—	—	—	—	—	—	—
Peregrine Falcon	—	—	—	1	—	CW	1	1	—	—	—	—	—	—	—
Ring-necked Pheasant	—	—	1	—	—	2	1	—	—	8	1	5	3	3	—
Ruffed Grouse	—	—	9	—	—	CW	—	—	—	—	—	—	—	—	—
Wild Turkey	8	70	32	—	—	2	—	—	155	—	6	—	29	15	6
American Coot	—	7	16	—	3	569	49	10	—	10	19	200	—	3	2
Sandhill Crane	—	—	—	—	—	—	—	—	—	—	—	—	—	11	—
Killdeer	—	—	1	2	—	31	—	—	5	—	—	—	26	—	28
American Avocet	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sanderling	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dunlin	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Common Snipe	—	—	—	1	2	—	—	—	4	1	1	—	6	1	2
American Woodcock	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pomarine Jaeger	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Franklin's Gull	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Little Gull	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Bonaparte's Gull	—	56	—	—	614	—	4968	1183	CW	—	352	—	—	—	6
Ring-billed Gull	37	4650	211	40	1880	2096	17915	8646	7	10	1603	—	49	1	1647
Herring Gull	—	76	—	4	773	101	986	99	1	—	1	—	4	—	2
Thayer's Gull	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—
Lesser Black-backed Gull	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—
Great Black-backed Gull	—	24	—	—	70	—	136	45	—	—	—	—	—	—	—
Gull sp.	7	—	—	—	—	—	—	—	—	—	—	—	14	—	—
Common Tern	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Rock Dove	188	54	245	123	816	1568	483	357	92	183	122	26	810	67	340
Mourning Dove	453	167	201	367	173	1078	222	170	275	274	555	307	1370	128	408
Eastern Screech-Owl	—	—	7	1	1	11	—	—	8	3	—	—	4	—	—
Great Horned Owl	5	—	1	1	1	6	1	1	7	—	1	—	7	2	3
Barred Owl	1	—	2	5	2	6	—	2	—	—	—	1	5	1	2
Long-eared Owl	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Short-eared Owl	—	—	7	—	—	—	—	—	—	—	—	—	3	6	1
Northern Saw-whet Owl	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—
Belted Kingfisher	6	3	13	2	10	21	3	7	6	4	2	—	19	3	5
Red-headed Woodpecker	—	—	—	2	—	—	—	—	2	—	2	—	14	2	2
Red-bellied Woodpecker	30	11	21	34	43	111	15	34	81	24	34	13	115	44	14
Yellow-bellied Sapsucker	2	—	2	—	—	—	1	—	3	—	—	—	—	—	—
Downy Woodpecker	41	27	39	66	100	343	65	63	120	49	90	20	228	68	38
Hairy Woodpecker	7	11	11	30	19	64	10	7	15	4	20	4	29	4	5
Northern Flicker	10	3	1	5	7	32	2	3	33	4	11	5	35	12	4
Pileated Woodpecker	3	2	9	9	11	20	1	5	18	3	6	—	22	3	6
Woodpecker sp.	—	—	—	—	—	—	—	—	—	—	—	—	4	—	—
Eastern Phoebe	—	—	—	—	—	2	—	—	—	—	—	—	1	1	—
Northern Shrike	—	—	—	1	1	—	—	—	—	1	2	—	2	—	1
Blue Jay	74	42	87	284	196	764	65	44	259	107	471	73	285	107	77
American Crow	517	124	489	427	973	1239	149	195	867	593	236	43	573	236	1319
Horned Lark	—	—	CW	120	—	2	—	—	97	1251	—	1349	47	51	6

Northwest Region

	Bucyrus 26 Dec. 1998 (14)	Firelands 19 Dec. 1998 (9)	Fremont 27 Dec. 1998 (8)	Grand Rapids-Waterville 2 Jan. 1999 (2)	Gypsum 1 Jan. 1999 (6)	Hancock Co. 19 Dec. 1998 (10)	Lake Erie Islands 18 Dec. 1998 (5)	Mansfield 19 Dec. 1998 (13)	Ottawa N.W.R. 3 Jan. 1999 (4)	Plymouth 27 Dec. 1998 (12)	Tiffin 19 Dec. 1998 (11)	Toledo 20 Dec. 1998 (3)
Carolina Chickadee	6	—	—	—	—	—	—	6	—	—	—	—
Black-capped Chickadee	15	37	—	77	51	92	463	3	3	12	114	111
Chickadee sp.	5	—	—	—	—	—	—	251	—	—	1	—
Tufted Titmouse	29	33	—	41	19	55	—	182	15	11	64	68
Red-breasted Nuthatch	1	—	—	CW	—	5	1	10	1	—	—	—
White-breasted Nuthatch	28	25	2	15	10	76	1	131	2	16	88	53
Brown Creeper	2	2	1	7	9	8	76	6	3	4	30	18
Carolina Wren	2	8	—	5	18	7	64	33	2	1	19	16
Winter Wren	—	1	—	2	3	—	4	—	—	—	—	8
Golden-crowned Kinglet	4	7	—	29	24	14	192	34	—	8	29	14
Ruby-crowned Kinglet	2	—	—	—	—	—	1	—	—	—	—	—
Eastern Bluebird	22	60	4	8	4	1	10	82	—	46	59	—
Hermit Thrush	—	—	—	2	—	—	30	—	—	—	2	—
American Robin	4	492	10	168	595	767	883	817	CW	—	1128	155
Gray Catbird	—	—	—	—	—	—	—	—	—	1	—	—
Northern Mockingbird	—	—	—	CW	—	—	—	2	—	—	—	—
European Starling	—	2598	939	118	1500	1181	2481	820	66	437	4422	3688
American Pipit	1543	—	—	—	—	—	—	—	—	—	—	—
Cedar Waxwing	—	140	—	9	60	109	133	3	—	—	6	—
Yellow-rumped Warbler	1	5	—	CW	6	—	129	5	—	4	22	—
Common Yellowthroat	—	—	—	—	—	—	—	—	CW	—	—	—
Eastern Towhee	—	—	—	—	1	—	1	3	—	—	—	—
American Tree Sparrow	9	317	14	340	713	102	263	163	171	55	625	269
Chipping Sparrow	—	—	—	—	—	—	—	—	—	—	—	—
Field Sparrow	—	1	—	11	—	—	—	9	—	—	—	1
Vesper Sparrow	—	—	—	—	—	—	1	—	—	—	—	—
Savannah Sparrow	—	—	—	—	—	—	—	—	—	—	—	—
Fox Sparrow	2	—	—	1	—	—	—	—	—	2	—	—
Song Sparrow	15	22	—	12	81	25	15	93	30	23	77	41
Swamp Sparrow	—	1	—	—	19	—	1	2	2	—	1	49
White-throated Sparrow	1	26	—	5	53	4	60	34	1	14	19	18
White-crowned Sparrow	1	6	2	14	53	—	1	14	1	3	106	3
Dark-eyed Junco	73	232	28	333	219	192	295	603	98	182	530	266
Lapland Longspur	—	—	—	17	4	—	1	—	3	8	—	—
Snow Bunting	—	—	—	36	34	125	427	—	37	62	—	2
Northern Cardinal	34	73	12	95	219	116	199	348	28	21	287	146
Red-winged Blackbird	—	6	—	—	53	—	46	21	9	—	4	118
Eastern Meadowlark	—	—	—	—	—	—	—	—	—	—	1	1
Rusty Blackbird	—	—	—	—	4	—	—	—	—	—	42	121
Blackbird sp.	—	—	—	—	—	—	—	—	—	—	—	—
Common Grackle	1	42	2	—	8	—	—	—	4	—	6	22
Brown-headed Cowbird	—	—	11	CW	2619	—	9	6	8	3	42	790
Purple Finch	5	1	—	—	—	—	10	—	—	—	—	—
House Finch	85	358	1	178	22	188	40	291	15	75	415	205
Common Redpoll	—	—	—	—	—	—	—	—	—	—	—	—
Pine Siskin	—	—	—	—	—	—	—	—	—	3	—	—
American Goldfinch	42	123	30	39	111	108	15	307	12	51	146	160
House Sparrow	215	199	186	314	1034	523	391	427	175	154	1194	731
total species	46	64	32	60	76	51	73	67	48	52	59	76
total individuals	3171	15290	4618	5792	29713	6428	13647	27643	6606	3842	20313	18681
observers	11	18	4	17	8	23	15	18	6	5	37	18
party hours	23.25	??	11.00	38.00	21.00	??	42.00	70.50	15.00	14.50	46.50	38.00

Northeast Region

	Ashland 27 Dec. 1998 (30)	Ashtabula 12 Dec. 1998 (25)	Beaver Creek 26 Dec. 1998 (36)	Burton 1 Jan. 1999 (27)	Cleveland 19 Dec. 1998 (23)	Cuyahoga Falls 20 Dec. 1998 (29)	Elyria-Lorain 19 Dec. 1998 (20)	Lakewood 27 Dec. 1998 (21)	Mohican State Forest 1 Jan. 1999 (35)	Salem 2 Jan. 1999 (33)	Trumbull Co. 20 Dec. 1998 (28)	Wellington 2 Jan. 1999 (26)	Wilmot 18 Dec. 1998 (32)	Wooster 26 Dec. 1998 (31)	Youngstown 19 Dec. 1998 (34)
Carolina Chickadee	—	—	65	—	—	—	—	—	10	—	—	—	101	51	—
Black-capped Chickadee	35	73	39	339	409	1127	153	263	16	88	276	58	57	7	226
Chickadee sp.	58	—	59	—	—	—	—	—	253	—	—	—	217	79	—
Tufted Titmouse	50	24	77	127	177	387	64	104	206	54	99	37	268	93	85
Red-breasted Nuthatch	—	2	3	—	3	6	—	1	3	1	—	—	5	2	3
White-breasted Nuthatch	57	14	39	75	89	221	25	76	153	27	61	28	150	71	83
Brown Creeper	3	2	8	1	7	11	2	2	10	—	7	—	8	5	5
Carolina Wren	16	2	14	3	15	85	11	16	31	4	1	2	46	21	6
Winter Wren	1	—	1	—	2	4	1	2	4	—	—	—	—	1	—
Golden-crowned Kinglet	18	—	29	3	14	27	6	20	65	7	5	—	46	9	10
Ruby-crowned Kinglet	—	—	—	—	3	1	—	—	1	—	—	—	3	—	—
Eastern Bluebird	62	31	22	72	65	30	66	2	236	46	54	6	238	58	16
Hermit Thrush	1	—	1	—	—	—	1	—	2	—	—	—	—	—	—
American Robin	62	178	155	139	211	611	235	288	163	9	20	5	384	66	111
Gray Catbird	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—
Northern Mockingbird	—	—	3	—	4	4	—	—	4	—	—	—	41	1	1
European Starling	932	566	612	164	1362	2278	1202	347	399	575	382	822	2399	988	721
American Pipit	—	—	—	—	—	—	—	—	8	2	—	—	—	—	—
Cedar Waxwing	—	29	—	201	119	296	—	—	1	—	18	—	193	42	51
Yellow-rumped Warbler	8	—	—	—	33	5	1	—	8	—	2	—	16	6	—
Common Yellowthroat	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Eastern Towhee	—	—	—	—	1	2	5	—	4	1	—	CW	13	1	—
American Tree Sparrow	80	29	149	474	157	1345	170	97	457	569	851	662	727	192	88
Chipping Sparrow	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Field Sparrow	—	—	3	—	—	1	1	—	2	2	—	—	1	—	—
Vesper Sparrow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Savannah Sparrow	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Fox Sparrow	5	—	—	—	1	1	—	—	1	—	—	—	—	3	—
Song Sparrow	40	4	57	29	42	189	14	30	134	88	66	29	255	111	18
Swamp Sparrow	1	—	—	1	5	39	1	1	2	4	4	—	11	17	—
White-throated Sparrow	9	3	15	2	9	51	8	9	76	7	—	—	94	51	—
White-crowned Sparrow	1	—	2	—	—	13	6	1	48	23	4	51	284	9	1
Dark-eyed Junco	318	140	288	350	412	850	406	219	921	523	350	650	713	317	127
Lapland Longspur	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Snow Bunting	—	1	—	53	—	1	1	—	—	—	4	10	—	—	—
Northern Cardinal	171	47	95	360	115	756	120	127	322	233	194	200	491	169	85
Red-winged Blackbird	—	—	—	—	6	23	—	2	202	10	139	—	4087	24	17
Eastern Meadowlark	—	—	6	—	—	—	—	—	—	—	—	1	5	1	2
Rusty Blackbird	10	—	—	—	—	—	—	—	8	12	12	—	CW	12	—
Blackbird sp.	60	—	—	4	—	—	—	—	—	8	—	—	1220	—	—
Common Grackle	—	—	—	—	—	60	1	1	3737	1	—	—	1	6	—
Brown-headed Cowbird	1	—	—	—	18	4	—	—	441	4	—	2	488	22	6
Purple Finch	—	—	—	5	10	CW	1	—	—	—	—	12	—	—	—
House Finch	107	85	137	121	232	579	148	188	104	67	141	162	225	43	106
Common Redpoll	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Pine Siskin	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—
American Goldfinch	92	16	53	228	332	951	137	124	301	103	245	285	459	39	120
House Sparrow	346	141	189	361	410	1201	333	396	134	251	446	403	1434	498	275
total species	51	58	61	65	76	83	71	66	73	57	59	44	70	74	69
total individuals	4286	8440	3893	8215	20184	24140	31625	38678	11868	7391	10716	6853	19935	7173	9233
observers	16	7	11	21	53	92	26	27	21	17	9	19	42	9	16
party hours	49.50	22.00	??	55.00	92.00	201.00	??	??	79.00	??	50.00	48.50	127.50	37.25	50.50

	W. Central			Central Region									
	Clark Co. 19 Dec. 1998 (44)	Grand Lake St. Marys 20 Dec. 1998 (41)	Indian Lake 19 Dec. 1998 (42)	Buckeye Lake 19 Dec. 1998 (56)	Columbus 20 Dec. 1998 (55)	Delaware Reservoir 20 Dec. 1998 (52)	Hoover Reservoir 19 Dec. 1998 (53)	Killdeer Plains 27 Dec. 1998 (50)	Kingston 3 Jan. 1999 (58)	Lancaster 2 Jan. 1999 (57)	Mt. Gilead 2 Jan. 1999 (51)	O'Shaughnessy Reservoir 19 Dec. 1998 (54)
Common Loon	2	—	—	—	—	—	3	—	—	—	—	—
Pied-billed Grebe	4	1	2	16	15	4	3	CW	—	—	—	—
Horned Grebe	—	—	—	—	—	2	—	—	—	—	—	—
Red-necked Grebe	—	—	—	—	—	—	—	—	—	—	—	—
Double-crested Cormorant	—	—	—	7	43	—	3	—	—	—	—	1
Great Blue Heron	1	36	12	21	20	14	10	10	—	—	—	11
Black Vulture	—	—	—	—	—	—	—	—	—	10	—	—
Turkey Vulture	—	—	—	—	—	1	—	1	—	4	—	—
Greater White-fronted Goose	—	—	—	—	—	—	—	CW	—	—	—	—
Snow Goose	—	—	CW	—	1	—	—	—	—	—	—	—
Canada Goose	260	769	474	118	962	549	1168	1630	275	366	15	1554
Mute Swan	1	6	—	—	—	—	—	—	—	2	—	—
Tundra Swan	—	—	—	—	—	—	10	CW	—	—	—	—
Wood Duck	1	1	2	1	2	—	—	—	—	—	—	—
Gadwall	6	—	—	—	—	2	1	CW	—	—	—	1
American Wigeon	—	—	—	—	—	3	2	4	—	—	—	—
American Black Duck	—	1	4	2	604	—	8	50	4	4	—	12
Mallard	207	220	399	190	897	71	999	500	58	190	—	178
American Black Duck X Mallard	—	—	—	—	—	—	—	—	—	—	—	—
Blue-winged Teal	—	1	—	—	—	—	—	1	—	—	—	—
Northern Shoveler	2	—	—	28	—	—	—	—	—	—	—	—
Northern Pintail	—	—	1	—	—	—	—	4	—	—	—	—
Green-winged Teal	—	—	—	5	2	9	4	—	—	—	—	—
Canvasback	—	—	3	—	—	—	—	—	—	—	—	—
Redhead	—	—	—	—	—	—	55	—	—	—	—	—
Ring-necked Duck	—	—	2	2	18	—	3	—	—	—	—	—
Greater Scaup	—	—	—	—	—	—	—	—	—	—	—	—
Lesser Scaup	—	—	—	3	—	1	2	—	—	3	—	—
Scaup sp.	—	—	—	—	—	—	—	—	—	—	—	—
Surf Scoter	—	—	—	—	—	—	—	—	—	—	—	—
Black Scoter	—	—	—	—	—	—	—	—	—	—	—	—
Oldsquaw	—	—	—	—	—	—	—	—	—	—	—	—
Bufflehead	—	7	—	8	16	9	10	—	—	1	—	—
Common Goldeneye	—	—	—	—	—	—	—	—	—	—	—	—
Hooded Merganser	5	25	1	12	30	5	177	—	—	—	—	9
Common Merganser	—	—	—	—	—	—	—	—	—	—	—	—
Red-breasted Merganser	—	—	—	—	—	—	2	—	—	—	—	—
Ruddy Duck	—	—	13	62	—	—	21	—	—	1	—	—
Bald Eagle	—	—	—	—	—	1	—	2	—	—	—	—
Northern Harrier	1	—	4	3	—	3	—	48	4	—	—	1
Sharp-shinned Hawk	3	—	1	1	—	2	1	1	—	1	—	1
Cooper's Hawk	2	2	4	5	7	4	2	3	1	—	—	3
Accipiter sp.	—	—	1	—	—	—	—	—	—	—	—	—
Red-shouldered Hawk	—	—	—	—	—	—	—	—	—	1	—	—
Red-tailed Hawk	1	6	21	19	27	24	19	42	13	7	2	5
Rough-legged Hawk	—	—	—	1	—	—	—	—	—	—	—	—
Buteo sp.	—	—	—	—	—	—	—	—	—	—	—	—
American Kestrel	6	2	25	22	20	18	5	56	3	3	1	21
Merlin	—	—	—	—	—	—	—	—	—	—	—	—
Peregrine Falcon	—	—	—	—	—	—	—	—	—	—	—	—

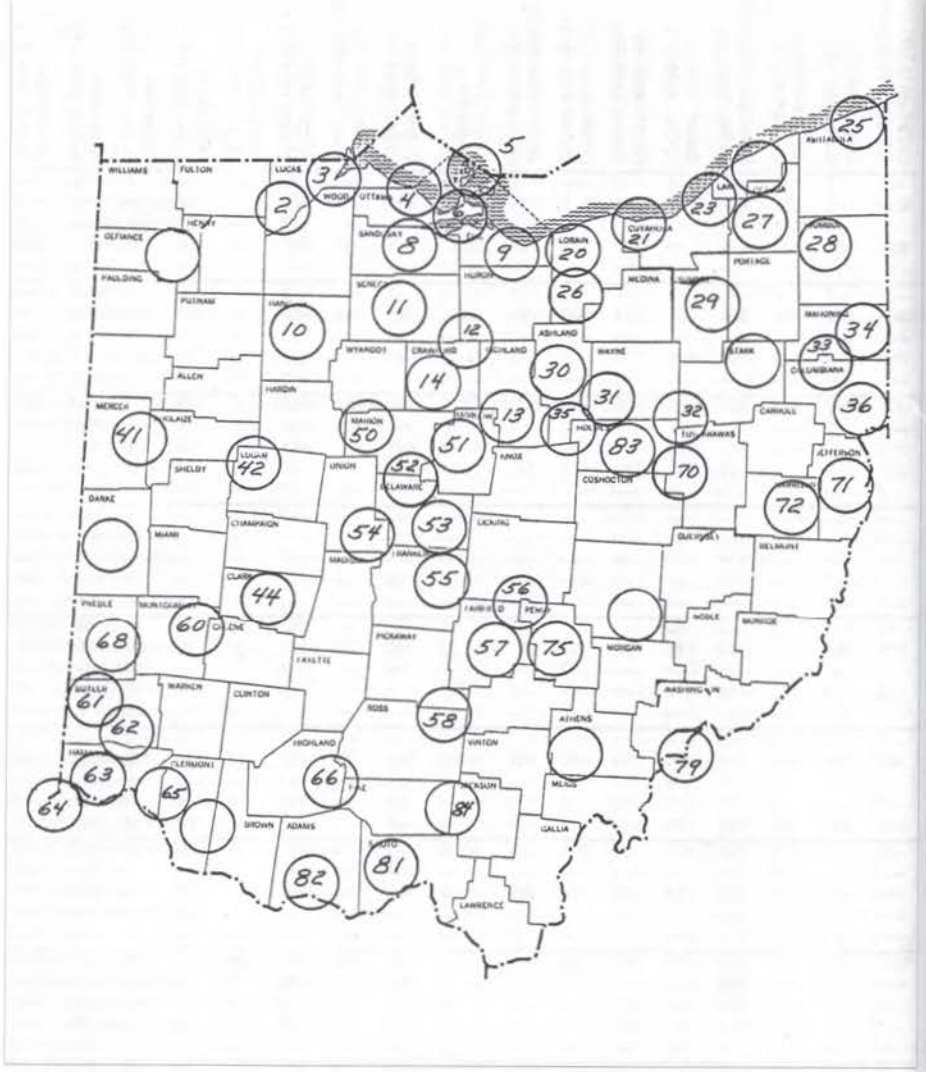
	Southwest Region								Unglaciated Region								
	Cincinnati 12 Dec. 1998 (65)	Dayton 3 Jan. 1999 (60)	Hamilton-Fairfield 19 Dec. 1998 (62)	Ohio River (IN-OH-KY) 19 Dec. 1998 (64)	Oxford 19 Dec. 1998 (61)	Paint Creek Area 20 Dec. 1998 (66)	Preble Co. 18 Dec. 1998 (68)	Western Hamilton Co. 20 Dec. 1998 (63)	Adams Co. 19 Dec. 1998 (82)	Beaver Valley 19 Dec. 1998 (84)	Cadiz 1 Jan. 1999 (72)	Millersburg 19 Dec. 1998 (83)	New Lexington 20 Dec. 1998 (75)	Parkersburg 2 Jan. 1999 (79)	Portsmouth 26 Dec. 1998 (81)	Ragersville 29 Dec. 1998 (70)	Steubenville 19 Dec. 1998 (71)
Common Loon	—	1	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—
Pied-billed Grebe	55	16	8	2	6	18	5	4	—	8	5	—	2	3	4	—	3
Horned Grebe	1	—	—	—	6	1	—	—	—	—	—	—	—	1 *+	—	—	—
Red-necked Grebe	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Double-crested Cormorant	—	—	—	—	—	4	—	—	—	—	—	—	—	CW	—	—	—
Great Blue Heron	58	34	35	63	13	23	1	54	11	—	1	28	3	18	48	12	2
Black Vulture	—	—	—	—	—	112	—	10	47	—	—	17	—	—	—	—	—
Turkey Vulture	4	—	—	1	—	22	—	5	—	1	—	115	CW	CW	2	43	—
Greater White-fronted Goose	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Snow Goose	—	—	—	—	—	—	—	—	—	—	—	—	—	CW	—	—	—
Canada Goose	778	857	510	74	47	—	124	1135	332	31	41	1946	182	233	50	181	218
Mute Swan	4	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Tundra Swan	—	1	—	—	—	—	—	—	—	—	—	—	—	CW *+	—	CW	—
Wood Duck	1	CW	5	—	2	2	1	CW	7	1	—	5	—	1	1	—	—
Gadwall	158	7	—	34	—	8	17	4	—	2	—	—	—	CW	—	—	—
American Wigeon	92	2	—	—	11	—	—	3	—	—	—	1	—	—	—	—	—
American Black Duck	26	31	13	14	2	2	65	48	17	8	—	19	—	41	4	2	—
Mallard	747	682	601	195	264	320	484	989	37	21	27	1235	8	86	368	242	—
American Black Duck X Mallard	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—
Blue-winged Teal	—	—	—	—	—	—	5	—	—	—	—	—	—	—	2	—	—
Northern Shoveler	24	1	—	9	—	—	—	26	—	—	—	—	—	—	—	—	—
Northern Pintail	—	3	—	—	—	—	1	9	3	—	—	—	—	1	—	1	—
Green-winged Teal	16	1	—	—	—	—	—	57	8	—	—	5	—	1	—	—	—
Canvasback	—	—	—	—	—	—	—	—	2	—	—	—	—	CW	6	—	—
Redhead	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Ring-necked Duck	503	1	—	35	—	—	11	34	38	—	—	5	10	1	68	—	—
Greater Scaup	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lesser Scaup	2	1	—	—	—	—	12	—	2	—	—	—	—	—	—	—	—
Scaup sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	CW	—	—	—
Surf Scoter	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Black Scoter	—	—	—	—	—	1 *	—	—	—	—	—	—	—	—	—	—	—
Oldsquaw	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—
Bufflehead	50	—	—	9	4	—	—	—	11	—	1	—	—	CW	—	—	—
Common Goldeneye	1	4	—	—	—	—	—	—	—	—	—	—	—	CW	—	—	—
Hooded Merganser	119	58	2	5	3	83	13	13	4	—	1	2	—	11	7	—	—
Common Merganser	—	—	—	—	—	6	—	—	5	—	12	—	—	—	—	—	—
Red-breasted Merganser	—	—	—	—	—	1	5	—	—	—	—	—	—	—	—	—	—
Ruddy Duck	107	7	—	—	—	—	34	1	—	—	—	1	—	CW	—	—	—
Bald Eagle	—	—	—	—	—	1	—	—	—	2	—	—	—	CW	2	—	—
Northern Harrier	1	1	—	—	5	12	—	—	6	6	2	5	1	—	6	27	11
Sharp-shinned Hawk	3	1	1	—	2	1	1	2	2	—	1	5	1	3	3	1	1
Cooper's Hawk	13	6	7	8	1	4	1	4	2	4	3	21	1	4	6	20	1
Accipiter sp.	3	—	—	—	—	—	—	—	—	—	—	2	—	1	—	1	—
Red-shouldered Hawk	5	—	3	1	—	2	—	CW	1	3	—	—	—	2	3	—	—
Red-tailed Hawk	50	23	15	33	9	30	4	27	62	15	18	189	15	11	30	168	14
Rough-legged Hawk	1	1	—	—	—	—	—	—	CW	1	4	3	—	—	1	21	1
Buteo sp.	1	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—
American Kestrel	24	7	22	14	12	33	14	18	38	32	7	59	15	14	16	72	12
Merlin	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	CW *	—
Peregrine Falcon	—	CW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

	W. Central			Central Region								
	Clark Co. 19 Dec. 1998 (44)	Grand Lake St. Marys 20 Dec. 1998 (41)	Indian Lake 19 Dec. 1998 (42)	Buckeye Lake 19 Dec. 1998 (56)	Columbus 20 Dec. 1998 (55)	Delaware Reservoir 20 Dec. 1998 (52)	Hoover Reservoir 19 Dec. 1998 (53)	Killdeer Plains 27 Dec. 1998 (50)	Kingston 3 Jan. 1999 (58)	Lancaster 2 Jan. 1999 (57)	Mt. Gilead 2 Jan. 1999 (51)	O'Shaughnessy Reservoir 19 Dec. 1998 (54)
Ring-necked Pheasant	1	—	—	—	—	—	—	2	—	—	3	—
Ruffed Grouse	—	—	—	—	—	—	—	—	—	—	—	—
Wild Turkey	—	—	—	—	—	—	—	—	—	—	47	—
Northern Bobwhite	—	—	—	—	—	—	—	—	—	—	—	—
Virginia Rail	—	—	—	—	—	—	—	—	—	—	—	—
American Coot	30	40	267	1	6	—	109	140	1	15	—	—
Sandhill Crane	2	—	CW	—	—	—	—	CW	—	—	—	—
Killdeer	28	3	9	21	3	14	8	3	1	—	—	4
Greater Yellowlegs	1 *	—	—	—	—	—	—	—	—	—	—	—
Common Snipe	1	1	—	—	—	—	—	—	—	—	—	—
American Woodcock	—	—	—	—	—	—	—	—	—	—	—	—
Franklin's Gull	—	—	CW *	—	—	—	—	—	—	—	—	—
Bonaparte's Gull	1	—	—	—	—	7	130	—	—	—	—	—
Ring-billed Gull	400	46	212	1626	287	36	516	9	1	1	—	129
Herring Gull	5	88	1	—	2	—	20	—	—	—	—	—
Great Black-backed Gull	—	—	—	—	—	—	—	—	—	—	—	—
Gull sp.	—	—	—	—	—	—	—	—	—	—	—	—
Rock Dove	175	45	18	86	3039	257	104	154	42	32	—	168
Mourning Dove	94	166	265	610	704	219	128	322	302	220	20	96
Barn Owl	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Screech-Owl	5	—	—	1	—	2	—	24	—	4	—	—
Great Horned Owl	5	—	3	—	4	9	2	9	1	2	—	1
Barred Owl	—	—	CW	—	—	1	1	1	—	—	—	—
Long-eared Owl	—	—	—	—	—	—	—	2	—	—	—	—
Short-eared Owl	—	—	—	—	—	—	—	2	3	—	—	—
Northern Saw-whet Owl	—	—	—	—	—	—	—	1	—	—	—	—
Belted Kingfisher	6	2	4	6	24	13	3	—	—	2	—	3
Red-headed Woodpecker	2	—	7	—	—	—	—	3	—	1	1	—
Red-bellied Woodpecker	16	7	11	39	45	27	26	24	1	27	4	6
Yellow-bellied Sapsucker	1	—	—	1	4	1	1	—	—	—	—	—
Downy Woodpecker	46	48	37	27	131	71	47	70	2	43	10	27
Hairy Woodpecker	8	2	7	5	14	12	4	5	—	5	—	4
Northern Flicker	21	2	6	11	26	28	18	24	—	5	—	3
Pileated Woodpecker	1	—	—	1	2	5	3	2	—	3	—	—
Woodpecker sp.	—	—	2	—	—	—	—	—	—	—	—	—
Eastern Phoebe	—	—	—	—	—	—	—	—	—	—	—	—
Northern Shrike	—	—	—	—	—	1	—	CW	—	—	—	—
shrike sp.	—	—	—	—	—	—	—	—	—	—	—	—
Blue Jay	49	28	19	54	181	63	54	47	4	58	14	17
American Crow	20000	6	62	143	1657	94	230	149	111	67	3	64
Horned Lark	—	1	64	46	—	180	—	194	386	—	19	6
Carolina Chickadee	68	41	25	65	457	3	144	—	17	66	—	56
Black-capped Chickadee	—	6	4	—	—	—	—	—	—	—	—	—
Chickadee sp.	—	—	3	—	—	111	—	51	—	—	8	—
Tufted Titmouse	19	10	26	14	141	42	82	51	1	48	11	16
Red-breasted Nuthatch	—	—	—	—	—	—	3	CW	—	—	—	—
White-breasted Nuthatch	35	17	23	23	74	52	26	58	—	29	7	19
Brown Creeper	14	7	6	5	22	13	4	2	1	2	1	5
Carolina Wren	20	4	9	15	108	18	16	2	3	27	1	16
House Wren	—	1	—	—	—	—	—	—	—	—	—	—

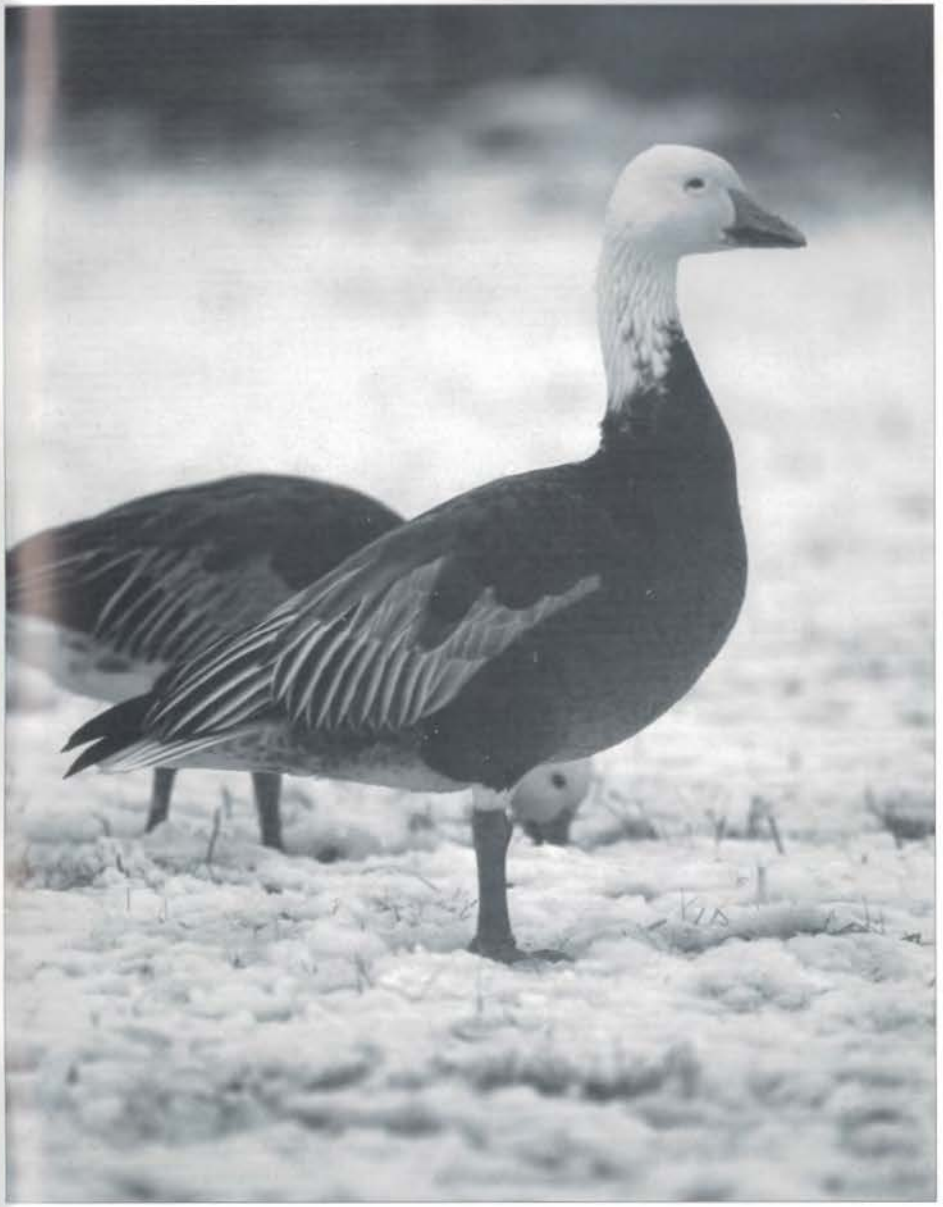
	Southwest Region								Unglaciated Region								
	Cincinnati 12 Dec. 1998 (65)	Dayton 3 Jan. 1999 (60)	Hamilton-Fairfield 19 Dec. 1998 (62)	Ohio River (IN-OH-KY) 19 Dec. 1998 (64)	Oxford 19 Dec. 1998 (61)	Paint Creek Area 20 Dec. 1998 (66)	Preble Co. 18 Dec. 1998 (68)	Western Hamilton Co. 20 Dec. 1998 (63)	Adams Co. 19 Dec. 1998 (82)	Beaver Valley 19 Dec. 1998 (84)	Cadiz 1 Jan. 1999 (72)	Millersburg 19 Dec. 1998 (83)	New Lexington 20 Dec. 1998 (75)	Parkersburg 2 Jan. 1999 (79)	Portsmouth 26 Dec. 1998 (81)	Ragersville 29 Dec. 1998 (70)	Steubenville 19 Dec. 1998 (71)
Ring-necked Pheasant	—	3	—	—	—	1	1	—	—	—	—	11	—	—	—	—	—
Ruffed Grouse	—	—	—	—	—	—	—	—	1	1	3	3	—	—	4	14	—
Wild Turkey	4	—	—	12	9	—	8	—	22	—	15	64	5	14	2	48	10
Northern Bobwhite	—	—	—	12	28	—	—	—	3	8	—	15	—	—	—	—	—
Virginia Rail	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—
American Coot	835	57	31	19	10	18	1	5	—	—	—	2	—	CW	—	—	—
Sandhill Crane	—	—	CW	—	—	—	51	1	—	—	—	—	—	—	—	—	—
Killdeer	47	1	25	14	1	193	4	9	23	37	—	81	—	7	43	56	—
Greater Yellowlegs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Common Snipe	—	1	—	—	—	—	—	—	3	—	—	20	—	CW	—	5	—
American Woodcock	—	—	—	—	—	—	—	—	—	—	—	2	—	—	1 *	—	—
Franklin's Gull	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bonaparte's Gull	—	22	—	—	—	171	—	—	CW	—	—	—	—	CW	—	—	—
Ring-billed Gull	541	854	498	42	352	831	7	72	6	—	232	CW	—	35	44	680	—
Herring Gull	1	30	1	—	1	—	—	—	—	—	—	—	—	1	1	15	—
Great Black-backed Gull	—	1 *	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gull sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—	—	—
Rock Dove	631	166	127	441	86	92	134	442	303	113	55	995	63	122	275	984	139
Mourning Dove	744	212	742	803	87	967	303	636	1115	308	53	1968	411	491	636	2708	122
Barn Owl	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	2 *	—
Eastern Screech-Owl	2	—	1	—	2	2	—	1	4	3	CW	10	—	4	1	21	—
Great Horned Owl	8	1	4	—	2	1	2	5	7	—	—	12	—	1	—	9	—
Barred Owl	8	2	—	—	3	—	1	3	2	—	—	10	1	—	1	5	—
Long-eared Owl	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Short-eared Owl	—	—	—	—	—	6	—	—	—	—	—	2	—	—	—	13	CW
Northern Saw-whet Owl	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Belted Kingfisher	29	10	14	13	13	16	2	19	15	2	CW	33	3	5	15	15	—
Red-headed Woodpecker	—	—	—	—	—	5	—	—	11	2	—	12	2	2	5	6	—
Red-bellied Woodpecker	236	28	15	33	52	27	11	74	41	11	9	330	17	49	83	213	10
Yellow-bellied Sapsucker	10	1	11	3	3	1	—	8	2	1	—	3	1	4	—	2	—
Downy Woodpecker	269	52	37	48	72	27	16	127	36	23	12	453	20	72	52	339	28
Hairy Woodpecker	26	4	1	6	11	2	8	12	19	1	1	134	8	15	12	87	2
Northern Flicker	110	9	27	30	38	42	2	63	58	22	—	144	6	11	22	90	4
Pileated Woodpecker	28	5	3	6	12	7	4	10	15	5	1	72	8	3	27	63	7
Woodpecker sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Phoebe	—	—	—	—	—	2	—	—	4	CW	—	3 *	—	1	3	1	—
Northern Shrike	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
shrike sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Blue Jay	227	17	61	27	70	31	14	120	205	116	21	746	45	165	288	402	16
American Crow	3802	109	235	270	295	163	136	10023	492	575	126	972	188	154	753	1834	122
Horned Lark	—	872	CW	—	—	2	2	45	—	—	46	296	—	—	200	289	7
Carolina Chickadee	1180	167	223	145	261	68	38	796	106	86	26	778	30	103	180	479	78
Black-capped Chickadee	—	—	—	—	—	—	—	—	—	—	—	12	27	1	3	10	—
Chickadee sp.	—	—	—	—	—	—	—	—	—	—	—	28	—	133	—	121	—
Tufted Titmouse	492	45	59	30	75	46	24	179	74	35	13	686	20	204	153	384	24
Red-breasted Nuthatch	—	—	—	—	—	—	—	—	1	—	1	—	—	1	11	2	—
White-breasted Nuthatch	80	24	15	18	43	20	27	37	29	13	4	428	26	51	101	250	37
Brown Creeper	51	12	9	4	6	7	7	23	5	15	1	51	—	3	7	34	2
Carolina Wren	458	28	48	63	28	71	4	275	68	34	CW	275	12	106	86	189	5
House Wren	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—

	W. Central			Central Region								
	Clark Co. 19 Dec. 1998 (44)	Grand Lake St. Marys 20 Dec. 1998 (41)	Indian Lake 19 Dec. 1998 (42)	Buckeye Lake 19 Dec. 1998 (56)	Columbus 20 Dec. 1998 (55)	Delaware Reservoir 20 Dec. 1998 (52)	Hoover Reservoir 19 Dec. 1998 (53)	Killdeer Plains 27 Dec. 1998 (50)	Kingston 3 Jan. 1999 (58)	Lancaster 2 Jan. 1999 (57)	Mt. Gilead 2 Jan. 1999 (51)	O'Shaughnessy Reservoir 19 Dec. 1998 (54)
Winter Wren	—	2	2	—	—	—	1	—	—	1	—	—
Golden-crowned Kinglet	15	9	10	3	43	1	3	2	5	5	—	3
Ruby-crowned Kinglet	—	—	—	—	CW	1	—	—	—	—	—	—
Eastern Bluebird	5	—	2	22	40	57	29	12	—	6	—	23
Swainson's Thrush	—	—	—	—	—	—	—	—	—	—	—	—
Hermit Thrush	—	—	—	—	2	—	—	—	—	2	—	—
American Robin	761	8	70	344	1343	1229	350	93	2	56	1	385
Gray Catbird	—	—	—	—	—	—	—	—	—	—	—	—
Northern Mockingbird	8	—	—	11	51	4	7	5	1	2	—	13
Brown Thrasher	—	—	—	—	—	—	—	—	—	—	—	—
European Starling	2341	193	1694	5765	2578	3379	801	1297	361	250	9	840
American Pipit	—	—	—	—	—	—	—	—	3	—	—	—
Cedar Waxwing	—	—	CW	6	42	321	—	1	—	—	—	18
Yellow-rumped Warbler	—	—	—	2	8	13	4	—	—	7	—	2
Pine Warbler	—	—	—	—	—	—	—	—	—	—	—	—
Palm Warbler	—	—	—	—	—	—	—	—	—	—	—	—
Black-and-white Warbler	—	—	1 *	—	—	—	—	—	—	—	—	—
Common Yellowthroat	—	—	—	—	—	—	—	—	—	—	—	—
Wilson's Warbler	—	—	CW *	—	—	—	—	—	—	—	—	
Tanager sp.	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Towhee	6	—	—	5	—	—	—	—	—	2	1	—
American Tree Sparrow	49	6	241	63	79	321	11	311	60	1	14	12
Chipping Sparrow	—	—	—	—	—	—	—	—	—	—	1	—
Field Sparrow	1	—	2	—	—	—	—	—	—	3	—	—
Savannah Sparrow	—	—	—	—	2	—	—	—	2	—	—	—
Fox Sparrow	—	—	—	—	3	1	—	—	—	1	—	—
Song Sparrow	44	37	102	86	226	96	35	29	24	24	6	21
Lincoln's Sparrow	—	—	—	—	—	—	—	—	—	—	—	—
Swamp Sparrow	1	—	—	—	9	4	—	2	2	—	—	—
White-throated Sparrow	57	1	—	12	255	3	4	2	3	44	2	9
White-crowned Sparrow	—	—	—	36	4	6	1	6	7	6	3	—
Sparrow sp.	—	—	375	—	—	—	—	—	—	—	—	—
Dark-eyed Junco	99	42	80	74	536	227	115	114	43	332	75	71
Dark-eyed (Oregon) Junco	—	—	—	—	—	—	—	—	—	—	1	—
Lapland Longspur	—	—	—	—	—	—	—	CW	—	—	—	—
Northern Cardinal	94	55	68	134	733	210	136	44	22	136	44	117
Red-winged Blackbird	—	—	1	97	—	—	—	300	450	—	2	—
Eastern Meadowlark	—	—	1	—	—	—	—	4	38	—	—	—
Rusty Blackbird	—	—	—	2	2	2	CW	—	26	—	—	—
Blackbird sp.	—	—	—	—	—	—	—	—	—	—	—	—
Common Grackle	1	—	—	1502	—	2	CW	—	72	12	1	—
Brown-headed Cowbird	1	1	—	3	—	30	CW	1	33	13	9	—
Purple Finch	—	—	—	—	—	—	—	—	—	2	—	—
House Finch	35	14	17	140	314	190	138	205	—	200	73	96
Pine Siskin	—	—	6	—	—	—	—	—	—	1	—	—
American Goldfinch	65	13	20	36	403	203	225	160	9	65	59	190
House Sparrow	231	312	1000	227	1865	1253	300	417	96	146	23	522
total species	61	48	55	62	57	65	62	59	43	57	33	45
total individuals	25370	2341	5751	11896	18133	9554	6347	6708	2494	2567	491	4759
observers	14	9	15	17	43	`17	20	14	2	14	1	6
party hours	33.50	20.50	39.50	27.00	90.75	62.00	38.75	48.25	??	25.50	4.00	18.00

	Southwest Region								Unglaciated Region							
	Cincinnati 12 Dec. 1998 (65)	Dayton 3 Jan. 1999 (60)	Hamilton-Fairfield 19 Dec. 1998 (62)	Ohio River (IN-OH-KY) 19 Dec. 1998 (64)	Oxford 19 Dec. 1998 (61)	Paint Creek Area 20 Dec. 1998 (66)	Preble Co. 18 Dec. 1998 (68)	Western Hamilton Co. 20 Dec. 1998 (63)	Adams Co. 19 Dec. 1998 (82)	Beaver Valley 19 Dec. 1998 (84)	Cadiz 1 Jan. 1999 (72)	Millersburg 19 Dec. 1998 (83)	New Lexington 20 Dec. 1998 (75)	Parkersburg 2 Jan. 1999 (79)	Portsmouth 26 Dec. 1998 (81)	Ragersville 29 Dec. 1998 (70)	Steubenville 19 Dec. 1998 (71)
Winter Wren	7	2	—	—	1	2	—	2	—	6	—	10	—	2	6	2	—
Golden-crowned Kinglet	210	6	22	12	12	34	3	78	77	119	2	209	3	9	19	180	2
Ruby-crowned Kinglet	4	—	1	1	—	—	—	3	—	—	—	6 *	—	2	15	—	2
Eastern Bluebird	150	23	32	55	59	110	13	39	177	49	38	567	70	51	155	484	6
Swainson's Thrush	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—
Hermit Thrush	7	2	—	—	5	—	—	6	4	1	—	3	—	—	2	7	—
American Robin	2228	292	134	398	379	114	85	1700	10232	51	52	3852	12	488	293	2146	1
Gray Catbird	—	—	1	—	—	—	—	—	—	—	—	2 *	—	1	—	4	—
Northern Mockingbird	49	6	9	24	16	3	1	45	32	11	1	85	8	25	47	97	—
Brown Thrasher	—	—	—	—	—	1	—	—	1	—	—	1	—	—	2	1	—
European Starling	7771	932	1224	921	1076	4672	1416	10883	3872	1220	525	1100	170	573	1793	11644	198
American Pipit	—	1	—	—	—	—	—	—	—	—	—	54	36	—	—	259*	—
Cedar Waxwing	11	40	—	11	20	1	—	4	542	—	—	451	—	30	36	100	—
Yellow-rumped Warbler	127	—	—	23	14	33	1	141	538	4	—	73	18	35	11	46	—
Pine Warbler	2	—	—	—	—	—	—	—	—	—	—	1 *	—	—	—	—	—
Palm Warbler	—	—	—	—	—	—	—	—	—	—	—	1 *	—	—	—	—	—
Black-and-white Warbler	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Common Yellowthroat	—	—	—	1 *+	—	—	—	—	—	—	—	1 *	—	—	—	2 *	—
Wilson's Warbler	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tanager sp.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eastern Towhee	39	1	3	15	10	4	1	15	6	14	—	93	3	40	52	48	—
American Tree Sparrow	290	307	176	182	85	77	3	217	33	52	36	2531	21	14	4	1654	94
Chipping Sparrow	—	—	—	—	—	—	6	—	—	—	—	1	—	—	3	—	—
Field Sparrow	26	2	6	19	3	4	—	18	14	4	—	43	6	7	15	54	7
Savannah Sparrow	1	—	—	—	—	—	—	—	—	—	—	1	—	—	1	12	—
Fox Sparrow	8	3	—	1	4	1	1	3	2	—	—	7	—	6	2	2	—
Song Sparrow	702	166	128	382	6	99	15	818	135	111	2	1062	39	379	122	1036	26
Lincoln's Sparrow	—	—	—	—	—	—	—	—	—	—	—	1 *	—	1 *+	—	1 *	—
Swamp Sparrow	49	—	9	79	—	6	2	172	1	18	—	32	1	16	7	26	—
White-throated Sparrow	692	153	115	185	96	18	4	625	77	96	2	400	7	154	114	329	1
White-crowned Sparrow	28	1	5	191	6	36	10	184	108	47	2	1071	10	18	20	783	1
Sparrow sp.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dark-eyed Junco	485	321	51	115	303	355	114	248	619	269	214	2274	79	768	492	1806	49
Dark-eyed (Oregon) Junco	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lapland Longspur	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Northern Cardinal	1131	242	184	297	236	185	36	804	255	108	41	1945	95	514	272	1441	54
Red-winged Blackbird	436	1	239	116	—	—	—	82	8	155	—	236	1	CW	2	18	—
Eastern Meadowlark	11	5	—	—	—	21	—	—	74	14	—	6	4	—	31	50	CW
Rusty Blackbird	1	—	—	2	—	—	—	—	—	1	—	1	—	CW	3	50	—
Blackbird sp.	—	—	—	—	—	—	—	—	—	—	—	550	—	—	—	348	—
Common Grackle	4	7	30	—	—	75	186	4203	66	1950	2	5	—	3	11	CW	—
Brown-headed Cowbird	25	23	97	124	—	—	20	231	254	1	—	573	5	6	—	101	—
Purple Finch	3	—	—	—	5	—	—	—	4	—	—	1	—	4	42	—	—
House Finch	240	186	55	12	97	21	28	66	93	59	4	349	41	268	208	440	3
Pine Siskin	—	—	—	—	—	—	—	—	4	—	2	—	—	2	8	1	—
American Goldfinch	739	141	115	130	82	98	12	715	1410	24	10	629	11	215	111	499	40
House Sparrow	686	345	163	115	143	143	156	560	426	36	78	1961	50	220	270	1419	112
total species	83	76	58	61	62	74	63	70	77	61	46	91	52	70	80	78	40
total individuals	28830	7708	6210	5947	4605	9621	3721	37293	22370	5967	1753	32507	1822	6048	7806	35253	1472
observers	76	31	12	10	50	6	19	21	25	10	8	80	9	18	23	56	11
party hours	??	61.00	??	27.50	150.00	34.50	27.25	??	??	36.75	22.50	278.00	25.75	30.25	86.50	214.25	40.00



The 1998-99 Christmas Bird Count areas. Numbers within circles correspond to count numbers in the preceding article. Circles without numbers indicate those counts which were not conducted during the 1998-99 season, but were conducted during the 1997-98 season.



These blue-morph Snow Geese were photographed on 26 February 1999 along the old Cedar Point causeway, Erie Co. Photo by Gary Meszaros.