

Bruce Glick	B.G.	John R. O'Meara	J.R.O.
Adam Goloda	A.G.	Arthur Osborne	A.O.
Sharon Hanse	S.H.	Doug Overacker	D.O.
Betty Hardesty	B.Ha.	Greg Patterson	G.P.
Rob Harlan	R. Hr.	Ed Pierce	E.P.
Jeff Hays	J. Ha.	Dimas Pioli	D.P.
Bert Hensel	B.He.	John Pogacnik	J.P.
Hank & Sally Hiris	HSH	Brad Purcell	B.P.
David & Judy Hochadel	DJHc	John Rakestraw	J.R.
Dick & Jean Hoffman	DJHo	Richard Rickard	R.Ri.
Craig Holt	C.H.	Tom & Mary Anne Romito	TM
Bill Jones	B.Jo.	Larry Rosche	L.R.
Ned Keller	N.K.	Sue Ross	S.R.
Tom Kellerman	T.Km.	Robert Royse	R.Ro.
Tom Kemp	T.K.	George & Darlene Sadler	GDS
Kim Kerr	K.K.	Ed Schlabach	E.S.
Jonathan Kline	J.K.	Paul Schwalbe	P.Sc.
Gerry Klug	G.K.	Paul Shubert	P.Sh.
Norma Kraps	N.Kr.	Mark & Julie Shieldcastle	MJS
Jeff & Marian Kraus	JMK	Bill Shively	B.Sh.
Jason Larson	J.L.	Mark Skinner	M.Sk.
Dave LeGallee	DLG	Marvin Smith	M. Sm.
Tom Leiden	T.Li.	John Snively	J.S.
Tom Le Page	TLe.	Bill Thompson III	B.T.
Doreene Linzell	D.L.	Elliot Tramer	E.T.
Paula Lozano	P.L.	Roger Troutman	R.T.
Vince Lucas	V.L.	Vince Urbanski	V.U.
Joe McMahon	J.Mc.	Sandy Wagner	S.Wg.
Bernard Master	B.Ma.	Steve Wagner	S. Wa.
Charlotte Mathena	C.M.	Ignaz Wanders	I.W.
Winnie McClanahan	W.Mc.	Bill Whan	B.Wh.
Gary Meszaros	G.M.	Paul Wharton	P.W.
Kevin Metcalf	K.Me.	Jeff Wert	J. W.
Nelson Moore	N.M.	Stan Wulkowicz	S.Wu.
Ben Morrison	B.Mo.	Leroy Yoder	L.Y.
Pete Munson	P.M.	Linda Zempel	L.Z.
		Julie Zickefoose	J.Z.

In addition to the cited individuals within, the following birders had observations facilitating the analysis of the season.

John Augustine, Bob Bell, Charlie Bombaci, Judy Bradt-Barnhart, Jenny Brumfield, Sandy Burris, Don Chalfant, Bob Conlon, Jim Fry, Robert Foppe, Jim Fowler, Joe Hammond, Helen Hendrickson, Jason Hovekamp, Mrs Gansey R. Johnson III, Cece Johnston, Lester Peyton, Len Powlick, Frank Renfrow, Wilma Seiler, Joe Strong, Walt Sturgeon, Bill & Ann Toneff, Gildo Tori.

The Ohio Christmas Bird Counts 1996-1997

by
Ned Keller

This year, we present the results from 58 count circles located at least partially in Ohio for the 1996 - 1997 Audubon Christmas Bird Count. Some of the circles reported in the Christmas Count issue of Audubon Field Notes were not submitted to us, and are not included here. However, other circles are reported only here.

We found a total of 1,098,735 individuals of 137 species, as compared to 924,456 individuals of 139 species last year. Firelands counters found the most birds, 232,642, of which 168,710 were Ring-billed Gulls and 56,136 were Bonaparte's Gulls. Cincinnati found the most species, 86, followed by Mentor with 82, Cuyahoga Falls with 81, and Millersburg and Ottawa N.W.R. with 80 each.

The number of species seen is strongly affected by the number of rarities seen. This year, the unusually high number of 16 species, Great Egret (not seen in Ohio), Brant, Blue-winged Teal, Oldsquaw, Broad-winged Hawk, Least Sandpiper, Purple Sandpiper, Dunlin, Thayer's Gull, Glaucous Gull, Rufous Hummingbird, Marsh Wren (not seen in Ohio), American Pipit, Ovenbird, Rose-breasted Grosbeak and Vesper Sparrow) were represented by only a single individual.

Much of the fun of Christmas Counts comes from finding rarities, but their real value lies hidden in the data collected on the more usual species. Learning about population trends over many years and extended areas requires compiling data from many years and many count circles. That sort of interpretation is well beyond the scope of this article; but if you are interested, and have access to the Internet, you might want to take a look at the Patuxent Wildlife Research Center's Christmas Bird Count web page, located at <http://www.mbr.nbs.gov/bbs/cbc.html>.

In the charts, the number assigned to each count corresponds to the numbered circle on the accompanying map of the state. A single asterisk (*) next to an entry denotes that we received a written description of the bird; reports of rare or extremely out-of season birds without descriptions may well be accurate, but must be viewed with suspicion. A double asterisk (**) denotes that this species is extremely rare, and that therefore documentation of the sighting has been referred to the Ohio Bird Records Committee for review. Finally, a plus sign (+) indicates that the bird was seen outside Ohio.

	W. Central					Central Region						South-	
	Clark Co. 12/21/96 (44)	Greenville 12/28/96 (43)	Indian Lake 12/21/96 (42)	Columbus 12/22/96 (55)	Delaware Reservoir 12/22/96 (52)	Hoover Reservoir 12/28/96 (53)	Killdeer Plains 12/29/96 (50)	Kingston 12/29/96 (58)	Lancaster 12/28/96 (57)	Mt. Gilead 12/21/96 (51)	O'Shaughnessy Reservoir 1/4/97 (54)	Cincinnati 12/29/96(65)	Dayton 12/29/96 (60)
Common Loon													
Pied-billed Grebe	7			7		3						22	8
Horned Grebe	1												
Double-crested Cormorant	1			7									
Great Blue Heron	3	2	5	21	17	4	3		4		12	30	53
Great Egret													
Tundra Swan	1							3					
Mute Swan	3			1		1						8	
Swan, sp.		1											
Greater White-fronted Goose													
Snow Goose (blue form)				1									
Snow Goose													
Canada Goose	450	346	1147	1357	948	1223	2525	963	301		404	941	1288
Wood Duck		1		4	6							3	3
Green-winged Teal							1					4	9
American Black Duck	7			507	3	17	300	9	1		25	28	19
Mallard	1700	320	205	2573	175	613	3200	110	102		167	999	1185
Am. Black x Mallard hybrid													1
Northern Pintail							30						2
Northern Shoveler	5			13		1							
Gadwall	6			9			10					28	18
American Wigeon				7		9						11	2
Canvasback												2	
Redhead						11						2	1
Ring-necked Duck	8			3		1						190	
Greater Scaup													
Lesser Scaup	2			4		18						4	
Common Goldeneye	18			12	1	27					2	12	3
Bufflehead	3			1								10	
Hooded Merganser	1			70	2	10						35	1
Common Merganser	4			2								1	
Red-breasted Merganser	2			7		4							
Ruddy Duck	9					13						2	
Duck, sp.													
Black Vulture								19					
Turkey Vulture								28				3	CW
Osprey												1	
Bald Eagle						1	1					1	
Northern Harrier	1	3		2	9	1	15	12		4	1		
Sharp-shinned Hawk	1			3		1	2		2	1		3	1

	west Region							Unglaciated Region									
	East Fork Lake S.P. 12/28/96 (67)	Hamilton-Fairfield 12/21/96 (62)	Ohio River (IN-OH-KY) 12/21/96 (64)	Oxford 12/21/96 (61)	Paint Creek Area 12/22/96 (66)	Western Hamilton Co. 12/22/96 (63)	Adams Co. 12/21/96 (82)	Athens 1/4/97 (76)	Beaver Valley 12/21/96 (84)	Cadiz (72)	Chandlersville 1/4/97 (74)	Millersburg 12/21/96 (83)	New Lexington 12/29/96 (75)	Parkersburg (WV-OH) 12/28/96 (78)	Portsmouth 12/28/96 (81)	Ragersville 12/27/96 (70)	Steubenville 12/21/96 (71)
Common Loon				5													
Pied-billed Grebe	11	15	5	1	46	4	2		1								
Horned Grebe							1								CW		
Double-crested Cormorant																	
Great Blue Heron	11	45	112	5	31	27	1	4	1		3	25		74	32	13	
Great Egret			1+														
Tundra Swan																	
Mute Swan				1													
Swan, sp.																	
Greater White-fronted Goose		1									4*						
Snow Goose (blue form)																	
Snow Goose											CW				CW		
Canada Goose	142	1544	353	391	31	1273	394	72	20	207	752	980	221	868	593	93	
Wood Duck				4		2	1		20	207	752	1			2	3	
Green-winged Teal		1	3									2			1		
American Black Duck	107	37	99	25	69	27	120		2		69	28		17	17	1	
Mallard	2646	1664	2978	976	250	1909	263	32	34	10	112	1095	7	527	317	49	48
Am. Black x Mallard hybrid						1											
Northern Pintail	21		1						1			3			1		
Northern Shoveler			2						1								
Gadwall	2	9	73			19						2			4		
American Wigeon			1			6					10				5		
Canvasback			2				18										
Redhead												1			1		
Ring-necked Duck	1		54				8				80				CW		
Greater Scaup		1															
Lesser Scaup			12		6		2					2					
Common Goldeneye			3	18		2									2		
Bufflehead	1	1	15	15		2					13						
Hooded Merganser			4		38		1		3		2			2	24		
Common Merganser		1		5													
Red-breasted Merganser																	
Ruddy Duck		1			16						1	1			CW		
Duck, sp.														6			
Black Vulture	3		1				68					19					
Turkey Vulture	4						7	69	7	3	5	9				1	
Osprey																	
Bald Eagle					1		1*							1	6		
Northern Harrier	1	1		5	4		9		3	1	25	4			2	9	3
Sharp-shinned Hawk	1	2	1	2		2	1	2	1			10		2	2	2	

	W. Central			Central Region							South-	west Region							Unglaciated Region												
	Clark Co. 12/21/96 (44)	Greenville 12/29/96 (43)	Indian Lake 12/21/96 (42)	Columbus 12/22/96 (55)	Delaware Reservoir 12/22/96 (52)	Hoover Reservoir 12/28/96 (53)	Killdeer Plains 12/29/96 (50)	Kingston 12/29/96 (56)	Lancaster 12/28/96 (57)	Mt. Gilead 12/21/96 (51)	O'Shaughnessy Reservoir 1/4/97 (54)	Cincinnati 12/29/96(65)	Dayton 12/29/96 (62)	East Fork Lake S.P. 12/28/96 (67)	Hamilton-Fairfield 12/21/96 (62)	Ohio River (IN-OH-KY) 12/21/96 (64)	Oxford 12/21/96 (61)	Paint Creek Area 12/22/96 (66)	Western Hamilton Co. 12/22/96 (63)	Adams Co. 12/21/96 (82)	Athens 1/4/97 (78)	Beaver Valley 12/21/96 (84)	Cadiz (72)	Chandlersville 1/4/97 (74)	Millersburg 12/21/96 (83)	New Lexington 12/29/96 (75)	Parkersburg (WV-OH) 12/28/96 (79)	Pontsmouth 12/28/96 (81)	Rogersville 12/27/96 (70)	Steubenville 12/21/96 (71)	
Cooper's Hawk	1	1	3	13	3	9	4	2	2	---	2	12	5	2	14	5	2	---	2	7	1	6	CW	---	19	1	2	2	22	2	
Accipiter, sp.	---	---	---	---	1	---	---	---	---	---	---	2	---	1	---	---	---	---	1	---	---	1	---	---	1	---	---	---	---	1	---
Red-shouldered Hawk	---	---	---	1	---	---	---	---	---	---	---	7	---	4	---	---	---	---	6	---	1	6	---	---	---	---	---	1	---	---	
Broad-winged Hawk	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	
Red-tailed Hawk	8	13	6	43	27	31	32	46	20	8	21	66	41	22	53	29	8	14	32	42	18	30	14	23	215	13	48	27	128	14	
Rough-legged Hawk	---	1	1	---	---	---	---	1	---	---	---	1	---	---	---	---	1	---	---	---	---	3	3	24	32	1	---	5	23	---	
Buteo, sp.	---	---	2	---	---	---	---	---	4	---	---	4	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	
American Kestrel	13	28	14	17	20	12	32	53	5	9	44	26	25	24	44	23	12	30	28	47	10	26	10	17	33	15	23	25	56	4	
Merlin	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Peregrine Falcon	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	
Ring-necked Pheasant	---	---	---	---	2	---	6	1	---	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---	5	---	---	---	---	---	
Ruffed Grouse	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	3	2	1	3	1	4	---	2	9	3	---	
Wild Turkey	---	---	---	---	---	---	---	---	1	---	---	---	---	---	11	18	---	4	---	22	---	---	28	4	413	57	2	24	50	CW	
Northern Bobwhite	---	2	---	---	---	---	---	---	---	---	---	11	30	9	14	---	1	---	7	25	---	1	---	---	7	---	CW	---	---	---	
Virginia Rail	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	
American Coot	97	2	---	17	---	39	1	---	12	---	---	147	80	4	28	41	4	51	---	---	---	---	---	1	12	1	CW	CW	---	---	
Sandhill Crane	---	---	---	---	---	---	---	---	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Killdeer	---	---	---	2	---	2	---	---	---	---	---	2	7	5	13	31	7	---	7	16	---	2	---	1	11	---	10	---	18	---	
Common Snipe	---	---	---	---	---	---	---	---	---	---	---	2	1	---	---	---	---	---	---	---	---	---	---	---	3	---	1	---	4	---	
Bonaparte's Gull	---	---	---	---	---	215	---	---	---	---	1	---	---	54	---	---	---	144	---	---	---	---	---	---	---	---	---	---	---	---	
Ring-billed Gull	350	---	4	5157	77	769	9	---	---	---	248	103	614	1451	437	120	34	461	603	63	---	---	143	---	---	38	144	3200	---	---	
Herring Gull	3	---	---	10	1	2	---	---	---	---	---	---	4	1	---	2	1	---	---	---	---	---	---	---	---	---	5	300	---	---	
Gull, sp.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	CW-1	---	13	---	---	---	
Rock Dove	33	215	32	3388	706	156	220	374	59	16	205	695	362	53	290	350	46	72	491	124	96	290	134	17	720	162	450	257	853	100	
Mourning Dove	95	253	54	805	249	302	221	1697	170	62	289	1303	467	413	524	455	94	256	523	536	209	167	62	24	814	119	1057	572	1556	79	
Eastern Screech-Owl	3	---	---	1	---	---	19	2	4	---	---	1	1	---	---	---	---	---	1	11	3	4	1	---	18	---	2	2	8	1	
Great Horned Owl	3	9	2	4	---	5	11	3	2	---	---	3	6	1	1	---	1	---	1	3	---	---	---	---	14	---	1	---	15	---	
Snowy Owl	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Barred Owl	---	---	---	---	3	2	2	3	---	---	---	6	4	1	1	---	1	---	1	2	1	1	---	---	4	---	---	1	2	---	
Long-eared Owl	---	---	---	---	---	---	CW	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	
Short-eared Owl	---	---	---	---	---	---	CW	---	---	---	---	---	---	---	---	---	---	---	---	2	---	1	CW*	15	---	---	---	---	2	---	
Northern Saw-whet Owl	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	
Belted Kingfisher	3	5	---	10	8	7	---	4	3	1	3	25	22	4	9	7	4	2	12	1	5	5	1	4	12	1	22	10	5	1	
Red-headed Woodpecker	---	1	---	1	---	---	17	2	1	---	---	---	---	8	---	---	---	---	---	6	6	1	---	---	5	---	---	29	---	---	
Red-bellied Woodpecker	14	10	2	52	28	32	27	38	23	5	23	247	47	30	25	52	40	16	82	38	33	24	3	9	243	14	50	40	182	10	
Yellow-bellied Sapsucker	---	---	---	2	---	---	---	1	---	---	---	9	2	---	5	---	3	---	3	---	---	---	---	---	---	---	---	4	1	---	
Dowry Woodpecker	36	78	20	170	99	71	73	73	31	19	76	299	192	52	53	44	33	21	116	35	49	36	14	19	412	29	107	58	323	11	
Hairy Woodpecker	4	5	---	15	9	7	5	8	8	2	2	44	15	11	15	4	10	1	17	21	28	2	1	3	80	11	18	19	86	3	
Northern Flicker	4	10	4	13	25	10	22	25	5	1	16	99	43	14	28	13	11	11	27	25	11	14	---	16	79	19	43	21	41	5	
Pileated Woodpecker	---	4	---	2	3	3	1	10	20	1	---	35	10	8	5	7	5	---	10	16	9	8	4	2	40	7	21	26	35	2	

	W. Central				Central Region						South-		west Region						Unglaciated Region												
	Clark Co. 12/21/96 (44)	Greenville 12/29/96 (43)	Indian Lake 12/21/96 (42)	Columbus 12/22/96 (55)	Delaware Reservoir 12/22/96 (52)	Hoover Reservoir 12/28/96 (53)	Killdeer Plains 12/29/96 (50)	Kingston 12/29/96 (56)	Lancaster 12/28/96 (57)	Mt. Gilead 12/21/96 (51)	O'Shaughnessy Reservoir 1/4/97 (54)	Cincinnati 12/29/96(65)	Dayton 12/29/96 (60)	East Fork Lake S.P. 12/28/96 (67)	Hamilton-Fairfield 12/21/96 (62)	Ohio River (N-OH-KY) 12/21/96 (64)	Oxford 12/21/96 (61)	Paint Creek Area 12/22/96 (66)	Western Hamilton Co. 12/22/96 (63)	Adams Co. 12/21/96 (82)	Athens 1/4/97 (76)	Beaver Valley 12/21/96 (84)	Cadiz (72)	Chandlersville 1/4/97 (74)	Millersburg 12/21/96 (83)	New Lexington 12/29/96 (75)	Parkersburg (WV-OH) 12/28/96 (79)	Portsmouth 12/29/96 (81)	Ragersville 12/27/96 (70)	Staubenville 12/21/96 (71)	
Eastern Phoebe	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	2	---	---	---
Horned Lark	---	93	190	1	218	---	15	43	---	5	286	14	3	---	9	1	16	15	---	63	---	5	8	19	151	---	---	1	263	8	
Blue Jay	51	47	16	369	88	105	105	131	56	14	92	320	21	49	43	14	37	19	109	291	217	298	10	22	493	84	210	348	427	25	
American Crow	15000	100	30	2148	138	276	187	180	499	72	194	3010	366	337	367	1277	170	88	9269	492	303	348	86	49	967	212	372	243	1456	61	
Black-capped Chickadee	---	---	2	---	---	---	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	74	---	---	15	---	
Carolina Chickadee	58	131	6	529	1	312	---	152	104	3	225	1540	502	273	217	167	143	18	746	95	231	118	26	47	651	9	85	192	420	31	
Chickadee, sp.	---	---	1	---	171	---	31	---	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	115	---	194	---	46	---	
Tufted Titmouse	11	43	13	153	59	188	43	79	45	27	84	530	140	101	66	81	81	15	264	105	107	61	17	8	653	34	131	150	457	33	
Red-breasted Nuthatch	---	2	1	---	---	---	1	---	1	---	---	2	---	---	2	---	---	---	2	8	---	---	---	---	1	1	---	4	1	---	
White-breasted Nuthatch	18	72	2	112	54	63	60	43	50	14	33	113	99	27	22	19	43	8	47	30	53	22	4	14	405	42	71	67	262	16	
Brown Creeper	6	14	---	49	17	11	10	12	4	1	9	63	66	7	20	6	6	2	21	6	12	10	---	3	44	2	12	9	42	---	
Carolina Wren	7	2	---	27	11	9	3	62	9	---	19	478	56	62	26	37	10	6	72	15	101	14	---	3	80	10	113	74	55	---	
House Wren	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Winter Wren	---	---	---	---	---	---	---	---	---	---	---	2	3	---	CW	---	---	1	---	1	---	2	---	---	4	---	---	2	2	---	
Golden-crowned Kinglet	7	---	---	24	13	14	6	47	28	7	3	112	30	45	15	11	13	5	21	80	8	33	---	15	100	10	7	74	60	---	
Ruby-crowned Kinglet	---	---	---	1	---	1	1	---	5	---	---	4	1	---	2	2	---	---	---	---	---	---	---	---	---	1	2	5	---	---	
Eastern Bluebird	10	4	---	21	33	37	7	103	25	15	12	190	50	172	2	37	15	50	14	198	100	78	11	59	452	61	93	116	232	1	
Hermit Thrush	---	---	---	---	---	---	---	---	---	---	---	3	2	---	1	---	---	---	2	---	1	2	---	---	---	1	---	1	1	---	
American Robin	42	7	---	195	2	1	1	6	6	---	1	1426	584	163	439	114	224	---	2143	33	9	---	---	---	19	5	27	11	12	---	
Gray Catbird	1	---	---	---	---	---	---	---	---	---	---	---	---	---	CW	---	---	---	---	---	---	1	---	---	2	---	---	2	---	---	
Northern Mockingbird	3	20	---	37	1	11	5	23	5	---	10	98	21	16	11	7	7	---	59	20	24	20	---	5	35	10	38	57	59	---	
Brown Thrasher	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---
American Pipit	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
Cedar Waxwing	43	15	---	102	32	---	2	9	---	---	---	10	5	87	---	---	33	12	13	142	36	---	---	---	14	---	---	CW	40	---	
Northern Shrike	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
European Starling	308	2060	1008	3962	2448	1058	955	15979	199	364	5167	4562	1596	3849	4860	1677	685	867	22802	1499	581	414	275	176	1932	169	1899	3477	30565	27	
Yellow-rumped Warbler	2	9	---	1	12	---	---	49	7	---	1	41	2	87	---	14	---	---	2	116	1	6	---	1	33	4	38	1	8	6	
Common Yellowthroat	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
Northern Cardinal	78	167	65	805	252	243	90	124	90	84	238	1659	421	365	220	307	174	57	855	365	322	315	29	---	1897	170	389	392	1281	58	
Eastern Towhee	3	2	---	2	---	---	3	---	---	---	1	57	5	3	1	21	2	---	13	9	9	14	---	---	38	1	17	29	20	---	
American Tree Sparrow	33	31	11	31	228	35	221	124	1	30	52	46	80	25	32	2	16	7	106	12	14	39	25	14	921	15	28	---	646	31	
Chipping Sparrow	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	CW	---	---	---	1*	---	1	---	---	---
Field Sparrow	1	1	2	6	---	1	---	4	1	---	---	45	29	19	2	6	11	8	12	16	21	18	---	---	54	4	17	11	43	6	
Vesper Sparrow	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1*	---	---	---	---	---
Savannah Sparrow	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---
Fox Sparrow	---	---	---	---	---	---	1	---	---	---	---	2	2	---	---	---	---	---	1	---	---	---	---	---	---	CW-1	---	---	---	---	---
Song Sparrow	22	110	18	195	90	16	65	193	48	9	59	715	130	142	183	278	36	42	502	94	120	160	7	17	1001	28	202	131	961	17	
Swamp Sparrow	---	---	1	4	1	---	5	6	---	---	---	17	1	3	6	21	---	12	21	---	4	8	---	---	---	17	---	14	1	11	---
White-throated Sparrow	26	---	---	331	5	7	2	58	8	---	4	680	177	69	78	185	24	16	408	20	52	38	6	---	---	94	14	63	110	115	3
White-crowned Sparrow	6	28	---	24	5	---	8	28	---	6	9	27	---	3	15	47	5	---	101	134	6	34	---	---	---	352	CW	5	25	314	---

	W. Central			Central Region							South		west Region						Unglaciated Region																
	Clark Co. 12/21/96 (44)	Greenville 12/29/96 (43)	Indian Lake 12/21/96 (42)	Columbus 12/22/96 (55)	Delaware Reservoir 12/22/96 (52)	Hoover Reservoir 12/28/96 (53)	Killdeer Plains 12/29/96 (50)	Kingston 12/29/96 (58)	Lancaster 12/29/96 (57)	Mt. Gilead 12/21/96 (51)	O'Shaughnessy Reservoir 1/4/97 (54)	Cincinnati 12/29/96 (65)	Dayton 12/29/96 (60)	East Fork Lake S.P. 12/28/96 (67)	Hamilton-Fairfield 12/21/96 (62)	Ohio River (IN-OH-KY) 12/21/96 (64)	Oxford 12/21/96 (61)	Paint Creek Area 12/22/96 (66)	Western Hamilton Co. 12/22/96 (63)	Adams Co. 12/21/96 (82)	Athens 1/4/97 (78)	Beaver Valley 12/21/96 (84)	Cadiz (72)	Chandlerville 1/4/97 (74)	Millersburg 12/21/96 (83)	New Lexington 12/29/96 (75)	Parkersburg (WV-OH) 12/28/96 (79)	Portsmouth 12/28/96 (81)	Ragersville 12/27/96 (70)	Steubenville 12/21/96 (71)					
Sparrow, sp.	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dark-eyed Junco	49	205	76	390	247	237	142	266	84	84	167	413	370	424	194	293	198	51	421	871	164	350	46	11	1279	204	161	229	1185	87	---	---	---		
Snow Bunting	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	CW	---	---	---	---	---	---	---	---	---	
Red-winged Blackbird	---	1	---	---	1	---	20	42	---	---	---	87	---	600	35	544	---	---	60	2	---	67	5	---	---	14	---	---	11	14	---	---	---		
Eastern Meadowlark	---	---	---	---	---	---	2	16	---	---	---	6	2	---	5	---	---	9	---	16	---	5	---	4	16	---	3	8	2	1	---	---	---		
Rusty Blackbird	---	2	1	4	3	---	40	---	---	---	---	130	---	10	---	---	---	---	25	---	---	---	---	---	61	---	---	---	30	---	---	---	---		
Blackbird, sp.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	---	---	---	6	---	---	---	---		
Common Grackle	---	4	---	1	---	---	---	---	---	8	1	1350	1	45	3194	3	---	1	---	---	---	46	---	---	2	---	---	10	---	---	---	---	---		
Brown-headed Cowbird	---	2	---	5	1	---	---	910	---	---	5	308	---	2	18	41	---	---	57	---	---	24	CW	---	23	---	---	5	30	---	---	---	---		
Purple Finch	---	---	---	1	---	---	3	1	---	---	---	1	---	7	---	4	---	---	---	30	---	---	---	---	---	---	---	1	25	2	---	---	---		
House Finch	44	113	51	821	169	154	50	181	60	56	186	673	296	212	232	32	58	4	305	246	109	46	---	55	453	52	282	248	378	20	---	---	---	---	
Pine Siskin	---	---	12	3	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	2	---	---	---	---	---	---	
American Goldfinch	31	33	17	605	168	227	98	102	43	38	218	582	221	92	128	94	165	29	257	234	93	71	7	27	551	31	132	148	318	2	---	---	---	---	
House Sparrow	245	842	921	3577	1185	584	421	893	85	145	---	739	423	100	151	122	212	126	663	334	113	227	33	41	2164	---	232	386	1128	55	---	---	---	---	
total species	62	51	34	77	52	58	57	57	47	33	45	86	66	65	65	68	58	49	64	68	48	63	34	50	80	41	56	74	70	34	---	---	---	---	
total individuals	19005	5470	3954	28874	8076	7222	9388	23312	2290	1133	8622	25547	10271	12519	15489	10387	4155	3044	44640	7519	3472	3597	1237	1848	20516	1925	8248	8306	48495	864	---	---	---	---	
observers	12	21	9	63	26	29	15	29	17	4	13	83	63	10	15	10	37	3	29	29	14	14	6	17	55	10	53	27	45	6	---	---	---	---	
party hours	28.00	??	25.25	152.00	72.00	36.00	46.00	75.00	36.75	13.00	41.00	214.00	99.00	35.50	42.00	29.50	59.00	16.00	74.50	77.50	48.00	46.00	22.50	24.00	255.00	31.00	117.50	73.00	174.25	138.00	---	---	---	---	

	Northwest Region											Northeast Region																
	Firelands 12/21/96 (9)	Fremont 12/29/96 (8)	Goll Woods 12/21/96 (1)	Grand Rapids-Waterville 1/4/97 (2)	Gypsum 1/2/97 (6)	Hancock Co. 12/14/96 (10)	Lake Erie Islands (OH-ON) 12/20/96 (5)	Mansfield 12/21/96 (13)	Ottawa N.W.R. 1/5/97 (4)	Oxbow Lake 12/28/96 (7)	Plymouth 1/4/97 (12)	Tiffin 12/21/96 (11)	Toledo 12/22/96 (3)	Ashland 12/28/96 (30)	Ashabula 1/4/97 (25)	Beaver Creek 12/29/96 (36)	Burton 1/1/97 (27)	Cleveland 12/21/96 (23)	Cuyahoga Falls 12/22/96 (29)	Elyria-Lorain 12/21/96 (20)	Mentor 12/28/96 (24)	Mohican State Forest 1/1/97 (35)	Quail Hollow-Hartville 12/22/96 (37)	Salem 1/4/97 (33)	Trumbull Co. 12/22/96 (28)	Wellington 12/28/96 (26)	Wooster 12/28/96 (31)	Youngstown 12/21/96 (34)
Common Loon	--	--	--	1	1	--	6	--	--	--	--	--	--	--	3	1	--	2	6	2	1	--	2	--	--	--	--	--
Pied-billed Grebe	--	--	--	--	--	--	--	3	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	2
Horned Grebe	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	1
Double-crested Cormorant	4	1	--	--	--	--	5	1	--	--	--	5	5	--	--	--	--	1	--	22	16	--	--	--	--	2	6	
Great Blue Heron	20	36	--	29	14	9	--	5	58	1	2	3	43	28	--	6	4	7	29	1	25	11	5	3	9	4	6	--
Black-crowned Night-Heron	--	--	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tundra Swan	--	8	--	--	6	--	26	419	--	--	--	--	4	78	1	1	8	11	3	--	--	--	--	--	--	--	3	--
Trumpeter Swan	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mute Swan	2	1	--	--	2	--	--	--	--	--	--	--	--	--	2	--	2	--	14	--	2	--	12	3	--	3	--	--
Greater White-fronted Goose	--	--	--	--	--	1*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Snow Goose (blue form)	2	--	--	--	--	--	--	159	--	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--	11	1
Snow Goose (white form)	--	--	--	--	--	--	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	1
Canada Goose	1242	1454	--	360	668	1368	254	1040	19671	410	99	530	2894	623	2307	328	3136	1704	3317	1078	612	517	684	955	5419	1235	1038	2182
Brant	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Wood Duck	1	--	--	--	1	--	--	2	--	--	--	--	4	--	--	--	--	--	12	--	2	--	1	2	--	--	CW	--
Green-winged Teal	--	1	--	--	--	--	--	3	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--
American Black Duck	170	95	--	15	1495	CW-2	6	17	1924	--	17	5	373	59	25	2	34	205	53	--	46	4	--	92	6	2	145	--
Mallard	1389	747	22	164	10984	30	244	201	19606	56	51	287	2706	261	184	155	746	657	2115	456	196	131	456	439	79	297	3132	155
Northern Pintail	CW-2	--	--	10	1	--	--	66	--	--	--	--	--	6	2	--	--	--	2	1	--	--	--	--	--	--	4	--
Blue-winged Teal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Northern Shoveler	--	1	--	--	60	--	--	6	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	1	--	--
Gadwall	--	--	--	--	7	--	12	10	--	--	--	--	2	--	5	--	10	8	13	1	5	5	--	--	--	7	--	
American Wigeon	--	--	--	1	50	--	2	CW	7	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	10	1	--	
Canvasback	15	1	--	--	1	--	55	21	--	--	--	--	40	--	7	--	--	5	4	--	1	--	1	--	3	--	1	
Redhead	20	--	--	--	--	--	3	7	--	--	--	--	--	--	4	--	--	--	10	--	2	--	--	--	--	--	1	
Ring-necked Duck	--	--	--	--	--	--	3	1	--	--	--	--	1	--	1	--	1	--	3	--	--	9	56	2	--	--	2	--
Greater Scaup	--	--	--	--	1	--	30	5	--	--	--	--	2	--	1	--	--	--	1	3	--	--	--	--	2	--	--	
Lesser Scaup	218	--	--	--	--	--	1	11	--	--	--	--	766	--	7	--	--	15	--	2	--	CW	--	2	2	--	--	
Scaup, sp.	--	--	--	--	--	--	3	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Harlequin Duck	--	--	--	--	--	--	--	2*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oldsquaw	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Black Scoter	--	--	--	--	--	--	--	3	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
Surf Scoter	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--
Scoter, sp.	--	--	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Common Goldeneye	205	--	--	--	2	--	785	4	6564	--	--	--	117	--	2	6	--	162	12	9	2	1	--	--	1	--	2	--
Bufflehead	25	--	--	1	10	3	904	2	21	--	--	--	--	--	19	--	--	45	8	12	23	1	--	--	2	2	--	1
Hooded Merganser	1	--	--	--	--	--	6	1	4	--	--	--	5	--	--	--	1	--	14	--	8	11	4	2	--	--	--	CW
Common Merganser	7	--	--	--	CW	--	274	--	5714	--	--	--	822	2	1	--	--	5	--	225	101	1	--	--	--	--	--	12
Red-breasted Merganser	9	6	--	--	--	3	3104	2	92	--	--	--	5	--	5	--	--	20	2	78	26	--	--	7	--	--	--	20
Ruddy Duck	--	--	--	--	--	1	6	11	--	--	--	--	12	--	--	--	--	--	29	3	1	2	--	--	4	12	--	2

	Northwest Region											Northeast Region																	
	Firelands 12/21/96 (9)	Fremont 12/29/96 (8)	Goll Woods 12/21/96 (1)	Grand Rapids-Waterville 1/4/97 (2)	Gypsum 1/2/97 (6)	Hancock Co. 12/14/96 (10)	Lake Erie Islands (OH-ON) 12/20/96 (5)	Mansfield 12/21/96 (13)	Ottawa N.W.R. 1/5/97 (4)	Oxbow Lake 12/28/96 (7)	Plymouth 1/4/97 (12)	Tiffin 12/21/96 (11)	Toledo 12/22/96 (3)	Ashland 12/28/96 (30)	Ashtabula 1/4/97 (25)	Beaver Creek 12/29/96 (36)	Burton 1/1/97 (27)	Cleveland 12/21/96 (23)	Cuyahoga Falls 12/22/96 (29)	Elyria-Lorain 12/21/96 (20)	Mentor 12/28/96 (24)	Mohican State Forest 1/1/97 (35)	Quail Hollow-Hartville 12/22/96 (37)	Salem 1/4/97 (33)	Trumbull Co. 12/22/96 (28)	Wellington 12/28/96 (26)	Wooster 12/28/96 (31)	Youngstown 12/21/96 (34)	
Duck, sp.	--	--	--	--	--	350	--	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Turkey Vulture	--	--	--	--	--	2	--	1	--	--	--	--	--	--	--	--	--	--	--	--	CW	--	--	--	--	--	--	--	--
Bald Eagle	7	5	--	1	3	--	--	19	--	--	12	2	--	--	--	2	1	--	--	2	1	--	--	14	--	--	1	--	
Northern Harrier	--	3	5	--	1	2	2	5	20	4	12	--	--	--	1	1	--	--	2	--	--	--	5	10	1	--	--	--	
Sharp-shinned Hawk	--	1	1	2	1	--	5	--	--	1	2	1	--	5	--	3	3	8	1	3	--	1	--	4	1	1	3	--	
Cooper's Hawk	3	2	2	6	2	1	3	8	1	--	2	6	2	2	1	2	4	22	2	5	5	8	2	5	3	1	3	--	
Accipiter, sp.	--	--	--	--	--	3	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	
Red-shouldered Hawk	--	--	--	2	--	--	4	--	--	--	--	--	--	2	--	CW	24	4	5	--	6	5	--	1	11	--	--	7	
Red-tailed Hawk	29	6	16	27	11	23	13	50	24	19	4	60	20	17	20	22	34	23	85	25	15	34	26	31	25	42	32	20	
Rough-legged Hawk	--	--	1	--	--	--	1	4	3	2	--	--	--	2	--	CW	--	--	--	--	2	12	--	--	--	8	1	--	
Buteo, sp.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	
American Kestrel	11	16	11	10	6	28	1	17	9	28	12	30	10	15	6	8	3	--	5	17	2	38	20	31	18	60	25	2	
Merlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	1	CW	--	--	--	1	--	--	--	--	
Peregrine Falcon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	
Ring-necked Pheasant	CW-2	--	29	3	CW	--	25	--	3	5	--	--	2	1	--	1	--	--	1	--	2	--	2	6	--	1	--		
Ruffed Grouse	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	--	--	--	1	1	1	--	1	--	--	--	
Wild Turkey	--	--	--	--	--	--	253	--	--	--	1	--	--	--	CW	62	--	--	6	--	--	7	--	6	--	66	--	--	
Virginia Rail	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1*	--	--	--	--	--	--	--	--	--	--	--	
Common Moorhen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	
American Coot	2	--	--	1	2	--	1	74	4	--	--	--	5	--	2	5	12	7	296	4	3	1	119	1	34	32	1	99	
Sandhill Crane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	3	
Killdeer	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	4	--	--	3	--	--	1	--	--	--	--	--	--	
Least Sandpiper	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Purple Sandpiper	1*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dunlin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
Common Snipe	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
Pomarine Jaeger	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1**	--	--	--	--	--	--	--	--	--	--	--	
Little Gull	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--	
Bonaparte's Gull	56136	--	--	350	--	1295	CW	1472	--	--	--	--	78	--	352	--	11000	--	6160	1900	--	--	--	3	--	--	--		
Ring-billed Gull	168710	215	--	196	63670	962	2716	37	26369	106	--	1	18041	24	3872	5	111	7563	1123	62783	5064	90	19	400	474	1496	--	200	
Herring Gull	876	60	--	33	7073	4	1582	--	1852	171	--	--	3933	--	272	CW	15	667	105	1040	422	2	--	--	8	--	--	--	
Thayer's Gull	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	
Lesser Black-backed Gull	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	1	--	1	1	--	--	--	--	--	--	--	--	
Glaucous Gull	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Great Black-backed Gull	66	--	--	--	800	--	168	--	138	--	--	--	60	--	20	--	200	1	159	102	--	--	--	--	--	--	--	--	
Rock Dove	640	234	174	76	CW	164	CW	372	76	89	11	308	1177	110	146	320	205	790	2178	245	116	186	638	299	199	420	276	187	
Mourning Dove	78	154	391	92	151	152	10	297	37	176	66	263	167	65	51	401	386	187	912	200	143	343	1136	480	677	560	328	144	
Eastern Screech-Owl	14	--	--	8	--	1	--	13	4	1	2	8	--	--	--	9	2	--	7	1	4	10	--	2	--	--	2	--	
Great Horned Owl	4	1	2	6	--	4	2	1	16	1	2	6	5	2	2	4	4	--	10	2	8	2	1	2	2	1	3	1	
Snowy Owl	--	--	--	--	CW	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	

	Northwest Region												Northeast Region																			
	Firelands 12/21/96 (9)	Fremont 12/29/96 (8)	Goll Woods 12/21/96 (1)	Grand Rapids-Waterville 1/4/97 (2)	Gypsum 1/2/97 (6)	Hancock Co. 12/14/96 (10)	Lake Erie Islands (OH-ON) 12/20/96 (5)	Mansfield 12/21/96 (13)	Ottawa N.W.R. 1/5/97 (4)	Oxbow Lake 12/28/96 (7)	Plymouth 1/4/97 (12)	Tiffin 12/21/96 (11)	Toledo 12/22/96 (3)	Ashland 12/28/96 (30)	Ashtabula 1/4/97 (25)	Beaver Creek 12/29/96 (36)	Burton 1/1/97 (27)	Cleveland 12/21/96 (23)	Cuyahoga Falls 12/22/96 (29)	Elyria-Lorain 12/21/96 (20)	Mentor 12/28/96 (24)	Mohican State Forest 1/1/97 (35)	Quail Hollow-Hartville 12/22/96 (37)	Salem 1/4/97 (33)	Trumbull Co. 12/22/96 (28)	Wellington 12/28/96 (26)	Wooster 12/28/96 (31)	Youngstown 12/21/96 (34)				
Barred Owl	---	---	---	1	---	---	---	---	---	---	---	3	---	2	---	3	4	3	4	---	1*	---	---	---	---	---	---	---	---	---		
Long-eared Owl	---	---	---	1	---	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Short-eared Owl	---	---	2	---	---	---	---	---	---	1	---	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Northern Saw-whet Owl	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1**	---	---	---	---	---	---	---	---		
Rufous Hummingbird	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Belted Kingfisher	---	1	1	9	3	4	1	3	1	1	1	---	3	6	---	8	3	7	3	3	3	6	1	3	1	1	1	2	1	---		
Red-headed Woodpecker	---	---	---	1	---	---	---	---	2	---	---	9	---	---	---	---	3	---	---	2	---	---	---	---	10	---	4	---	---			
Red-bellied Woodpecker	23	4	3	32	4	18	5	48	5	14	7	29	10	14	12	26	51	47	101	11	19	50	6	19	45	14	25	24	---	---		
Yellow-bellied Sapsucker	1	---	---	---	---	---	---	---	---	---	---	---	1	1	---	---	---	---	2	---	1	---	---	---	---	---	---	---	---	---	---	
Downy Woodpecker	64	36	15	120	17	104	106	132	38	39	21	111	49	73	33	70	136	120	309	55	57	129	35	28	114	50	75	35	---	---		
Hairy Woodpecker	4	---	---	25	3	10	1	14	4	4	2	2	9	12	9	9	43	25	58	3	16	14	9	6	11	3	5	5	---	---		
Northern Flicker	23	5	6	29	6	13	26	12	1	4	1	18	1	5	3	7	12	3	23	---	2	12	2	3	4	1	12	3	---	---		
Pileated Woodpecker	---	---	---	---	---	---	---	5	---	---	2	1	---	---	2	8	17	6	10	---	11	16	---	---	---	---	2	4	---	---		
Horned Lark	39	45	457	45	1	74	66	---	338	1	27	508	---	---	CW	CW	63	---	---	---	3	50	---	28	---	31	19	12	---	---		
Blue Jay	84	74	13	277	30	103	24	244	49	71	18	125	128	80	115	98	254	272	825	195	161	150	184	129	462	51	121	142	---	---		
American Crow	67	34	61	4857	CW	98	23	17000	2	71	48	439	155	438	609	175	352	1083	1253	125	613	743	70	208	119	150	317	715	---	---		
Black-capped Chickadee	56	8	33	358	13	67	241	2	10	30	40	98	94	65	97	36	409	352	1131	133	219	12	96	130	566	84	5	255	---	---		
Carolina Chickadee	---	---	---	---	---	---	---	10	---	---	---	---	---	---	---	166	---	---	---	---	25	---	1	---	---	41	---	---	---	---		
Chickadee, sp.	---	---	---	---	---	---	---	267	---	---	---	---	---	9	---	51	---	---	---	---	200	---	1	---	---	30	---	---	---	---		
Tufted Titmouse	46	22	9	178	8	98	---	248	17	21	23	69	77	62	15	93	178	200	468	50	88	161	35	49	137	25	65	131	---	---		
Red-breasted Nuthatch	1	---	---	---	---	1	---	4	---	---	---	3	---	1	---	---	---	5	2	2	1	---	3	---	2	---	---	---	---	---		
White-breasted Nuthatch	32	15	16	121	6	69	2	143	15	50	11	57	61	34	9	54	135	95	295	30	30	130	22	37	93	42	51	66	---	---		
Brown Creeper	5	3	2	55	4	20	29	3	8	7	---	6	10	1	3	6	4	10	21	2	7	11	---	3	4	---	9	2	---	---		
Carolina Wren	CW-1	10	---	20	4	6	7	11	3	---	---	1	15	8	---	24	---	2	42	1	---	13	---	16	---	---	18	2	---	---		
House Wren	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	
Winter Wren	---	1	---	1	---	---	---	---	5	---	---	---	1	---	---	---	---	1	1	---	2	---	---	---	2	---	---	---	1	---		
Marsh Wren	---	---	---	---	---	1+	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Wren, sp.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	
Golden-crowned Kinglet	3	---	2	131	1	13	2	16	---	---	2	7	---	3	2	33	3	17	11	---	20	35	3	5	9	---	7	1	---	---		
Ruby-crowned Kinglet	---	---	---	---	---	4	---	---	---	---	---	---	---	---	6	---	---	---	2	---	1	---	---	---	---	---	---	---	---	---	---	
Eastern Bluebird	24	CW	---	2	---	4	---	103	---	7	2	6	---	7	15	13	40	13	30	17	8	76	1	51	85	23	74	3	---	---		
Hermit Thrush	---	---	---	---	---	---	3	---	---	---	---	---	---	---	---	---	---	1	1	---	---	1	---	---	---	---	---	---	---	---	---	
American Robin	3	---	---	---	---	1	120	3	1	---	---	---	6	---	9	2	11	62	13	5	101	17	---	1	1	---	2	4	---	---		
Gray Catbird	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Northern Mockingbird	---	CW	---	1	---	2	---	---	---	---	---	---	---	---	---	1	---	2	1	---	---	1	---	2	---	---	---	---	---	---	---	
Brown Thrasher	---	---	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cedar Waxwing	---	---	---	13	---	2	59	---	1	---	---	26	25	---	---	9	35	---	56	---	78	---	---	30	---	---	24	---	---	---		
Northern Shrike	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	1	---	---	---	---	1	---	---	---	---	---	
European Starling	1035	1856	689	547	1310	1309	757	1062	1468	356	223	1444	2535	445	960	955	395	1547	3776	1523	1123	1468	1066	1000	586	5397	1125	459	---	---		
Yellow-rumped Warbler	18	---	2	8	CW	2	16	---	1	17	2	---	2	4	---	4	---	---	---	---	---	2	---	1	4	---	7	---	---	---		

	Northwest Region												Northeast Region																	
	Firelands 12/21/96 (9)	Fremont 12/29/96 (8)	Goli Woods 12/21/96 (1)	Grand Rapids-Waterville 1/4/97 (2)	Gypsum 1/2/97 (6)	Hancock Co. 12/14/96 (10)	Lake Erie Islands (OH-ON) 12/20/96 (5)	Mansfield 12/21/96 (13)	Ottawa N.W.R. 1/5/97 (4)	Oxbow Lake 12/28/96 (7)	Plymouth 1/4/97 (12)	Tiffin 12/21/96 (11)	Toledo 12/22/96 (3)	Ashland 12/28/96 (30)	Ashtabula 1/4/97 (25)	Beaver Creek 12/29/96 (36)	Burton 1/1/97 (27)	Cleveland 12/21/96 (23)	Cuyahoga Falls 12/22/96 (29)	Elyria-Lorain 12/21/96 (20)	Mentor 12/28/96 (24)	Mohican State Forest 1/1/97 (35)	Quail Hollow-Hartville 12/22/96 (37)	Salem 1/4/97 (33)	Trumbull Co. 12/22/96 (28)	Wellington 12/28/96 (26)	Wooster 12/28/96 (31)	Youngstown 12/21/96 (34)		
Ovenbird	--	--	--	--	--	--	--	1*	--	--	--	--	--	--	--	--	--	1*	--	--	--	--	--	--	--	--	--	--	--	--
Common Yellowthroat	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Northern Cardinal	102	90	25	226	68	148	230	441	83	35	19	266	145	122	50	174	223	223	915	--	163	300	163	162	288	63	147	154		
Rose-breasted Grosbeak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1*	--	--	--	--
Eastern Towhee	--	--	--	CW	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--
American Tree Sparrow	71	175	35	260	145	60	132	125	441	28	70	321	119	44	16	142	90	9	460	39	130	164	18	113	611	57	92	49		
Chipping Sparrow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Field Sparrow	2	--	--	2	--	--	1	1	--	--	--	4	--	7	--	6	--	--	16	1	1	2	--	2	--	--	--	--	--	
Savannah Sparrow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	
Fox Sparrow	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--	--	--	--	--	1	--	--
Song Sparrow	12	68	25	64	15	15	13	106	48	21	4	27	32	46	2	103	20	15	257	16	12	66	27	96	65	5	63	21		
Swamp Sparrow	1	1	--	--	12	--	5	3	56	--	1	3	--	--	--	--	1	--	14	1	--	10	--	1	6	--	5	--	--	
White-throated Sparrow	7	--	--	12	7	11	1	5	--	--	3	2	4	5	7	9	4	9	25	4	8	11	3	4	5	1	9	4		
White-crowned Sparrow	2	28	--	2	1	--	--	9	5	--	9	8	--	13	--	8	--	--	18	--	CW	14	11	2	--	1	10	1		
Dark-eyed Junco	133	52	38	390	16	141	42	679	32	68	50	428	148	127	24	296	175	266	825	186	117	454	96	106	519	32	152	184		
Dark-eyed (Oregon) Junco	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lapland Longspur	--	--	1	--	--	--	--	--	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Snow Bunting	--	--	7	60	CW	--	6	--	12	--	--	--	--	--	1	--	4	1	--	--	19	--	--	--	CW	--	--	--	--	
Red-winged Blackbird	41	284	--	3	--	CW-20	9	--	383	--	1	1	1	--	--	--	4	1	6	1	26	--	--	125	24	--	1	--	--	
Eastern Meadowlark	--	--	--	--	--	--	--	--	--	CW	--	--	--	--	--	10	--	--	--	--	--	--	--	--	5	4	1	--	--	
Rusty Blackbird	--	--	--	--	--	--	--	63	--	--	--	--	--	--	--	--	--	55	--	--	--	--	--	--	--	--	--	--	--	--
Common Grackle	20	3	--	3	3	1	5	--	5	1	--	8	--	5	--	2	2	12	4	--	7	--	4	--	--	--	--	--	--	--
Brown-headed Cowbird	10	80	--	22	63	--	--	1	276	1	5	--	39	--	--	--	1	7	275	3	36	CW	262	--	--	--	3	20	--	
Purple Finch	--	--	--	4	--	CW-1	1	--	--	--	--	--	--	8	1	--	--	1	2	1	2	1	--	--	--	--	--	--	--	--
House Finch	197	42	174	254	155	315	34	330	41	29	34	272	87	117	279	76	116	165	675	103	121	126	67	57	101	99	19	131	--	
Pine Siskin	--	--	2	--	--	--	--	--	--	--	--	--	1	--	--	--	--	4	1	--	--	--	--	--	--	--	--	--	--	--
American Goldfinch	126	76	6	73	20	35	23	294	59	10	64	148	85	69	10	73	174	130	789	72	86	338	63	81	204	74	40	64	--	
Evening Grosbeak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7
House Sparrow	483	771	1042	537	900	344	343	1236	1141	622	28	1570	565	202	205	375	602	592	3295	1425	461	440	1395	515	510	715	395	558	--	
total species	62	49	36	60	55	48	72	56	80	39	41	51	66	49	56	56	58	73	81	61	82	63	43	57	59	46	61	54	--	
total individuals	232842	6833	3320	9789	88189	5848	14244	24981	90121	2594	991	7556	35777	3333	9820	4477	8314	28685	26437	76547	12638	6681	6820	5779	11611	11129	8082	6114	--	
observers	26	3	8	22	2	22	14	18	25	12	4	48	11	9	15	17	18	56	85	25	26	18	12	12	13	23	12	22	--	
party hours	37.75	16.00	32.00	69.50	8.50	132.00	53.50	75.50	36.00	28.00	13.00	55.00	37.50	33.00	34.50	67.50	58.00	105.50	209.50	70.00	??	60.75	50.50	55.50	63.00	35.00	39.40	49.50	--	

O.D.N.R., Div. of Wildlife, Waterfowl Migration Survey, late Fall 1996 - early Spring 1997

Region : Lake Erie marshes 1-Nov 15-Nov 26-Nov 18&19 Dec. 13&14 Jan. 3-Feb 18&20 Feb. 6-Mar

	1-Nov	15-Nov	26-Nov	18&19 Dec.	13&14 Jan.	3-Feb	18&20 Feb.	6-Mar
Canada Goose	6628	7,815	6,422	20,072	43,093	38,769	49,430	2,872
Snow Goose	3	3	2	0	80	30	215	1
Tundra Swan	225	397	323	635	72	287	298	121
Mute Swan	2	2	6	0	0	6	0	6
Mallard	100,192	97,572	68,394	113,544	5,590	59,089	35,868	5,147
American Black Duck	13,702	26,647	24,253	31,844	593	16,097	24,084	2,810
Gadwall	19,650	7,935	1,686	30	0	0	0	1,360
American Wigeon	4,100	25	32	0	0	0	0	1,530
Green-winged Teal	26,125	3,710	116	0	0	0	12	330
Blue-winged Teal	0	0	0	0	0	0	0	0
Northern Shoveler	440	20	25	0	0	0	0	115
Northern Pintail	1,820	4,030	2,776	20	0	4	36	1,907
Wood Duck	0	0	0	0	0	0	0	0
Redhead	115	215	80	0	0	0	4,325	6,975
Canvasback	41	0	1,155	505	3,740	13,451	24,744	15,420
Scaup spp.	15,686	14,315	9,880	5,100	4,200	18,710	5,905	9,025
Ring-necked Duck	35	0	45	0	0	0	0	532
Ruddy Duck	1,065	195	5	0	0	0	0	0
Bufflehead	51	47	235	0	0	0	4	15
Common Goldeneye	0	0	25	170	1,450	3,933	1,140	0
Merganser spp.	104	5,355	286	105	4,975	7,944	13,982	2,469

Wildlife News : Lake Erie Cormorants Prefer Sheephead, Shad, and Shiners

Freshwater drum (sheephead) and bait fish make up the primary diet of Double-crested Cormorants on western Lake Erie, while walleye and yellow perch are seldom consumed, according to a recent study (Mike Bur, Great Lakes Science Center, Sandusky, OH). The study was initiated in 1997 "to determine which fish species were consumed by the region's exploding population of cormorants" - Mike Bur. The research was a joint project of the US Geological Survey's Biological Resources Division (Lake Erie Biological Station), Ohio Division of Wildlife, and US Department of Agriculture (National Wildlife Research Center).

Some area residents and anglers are concerned the rapid increase in nesting cormorants could have possible adverse affects on local fish or other wildlife populations. Cormorant numbers in western Lake Erie have increased steadily since the birds first began nesting on West Sister Island in 1992. Cormorant colonies now exist on West Sister Island (1,500 nests), East Sister Island (4,300 nests), and Middle Island (3,000 nests). Some fear these fish-eating diving birds may be consuming important game fish that are valuable to local sport and commercial fisheries. Stomach contents were examined of more than 300 cormorants collected from April through October near Middle Island, West Sister Island, and Sandusky Bay. Results indicated that 50 % of the stomachs contained young gizzard shad, 34 % contained freshwater drum, and 33 % contained emerald shiners. In all, 15 species of fish and two invertebrate species (crayfish and snail) were identified. Very few yellow perch and walleye were found eaten by cormorants.

Freshwater drum was found in many of the stomachs from April through June. After July, gizzard shad were consumed by more than 80% of the cormorants from August through October, while emerald shiners occurred in half the stomachs during September and October. The average weight of food in each stomach was about 1/4 pound, which was typical throughout the study period. Freshwater drum comprised the greatest portion of total stomach weight from April through July. This coincided with the time in which adults were incubating eggs and when young were in the nests. From August to September, young gizzard shad made up the largest % of weight consumed, which occurred shortly after young cormorants left the nest. Emerald shiners comprised almost 1/4 of the diet in weight during June when adults were feeding young, and reappeared in the diet during September and October.

The study also compared fish consumption of cormorants to that of walleyes. The diet of both walleyes and cormorants were similar from July through October and indicated that both predators took advantage of the abundant young-of-the-year gizzard shad. As much as 87 % of the walleye diet consisted of gizzard shad, emerald shiners, and freshwater drum, while 99 % of the cormorant diet was made up of the same three species.