

CHRISTMAS BIRD COUNT, 12/16/88-1/3/89

by Robert H. Stymeist

Data processing by Janet L. Heywood

The Eighty-ninth Annual Christmas Bird Count (CBC) sponsored by the National Audubon Society was held from December 16, 1988 to January 3, 1989. In eastern Massachusetts and a portion of Rhode Island, there are 23 count areas (see map). This summary includes the results of all these count circles with the exception of Westminster, from which no results were received. A total of 179 species, plus "Ipswich" Sparrow, were recorded in this area during the three-weekend period.

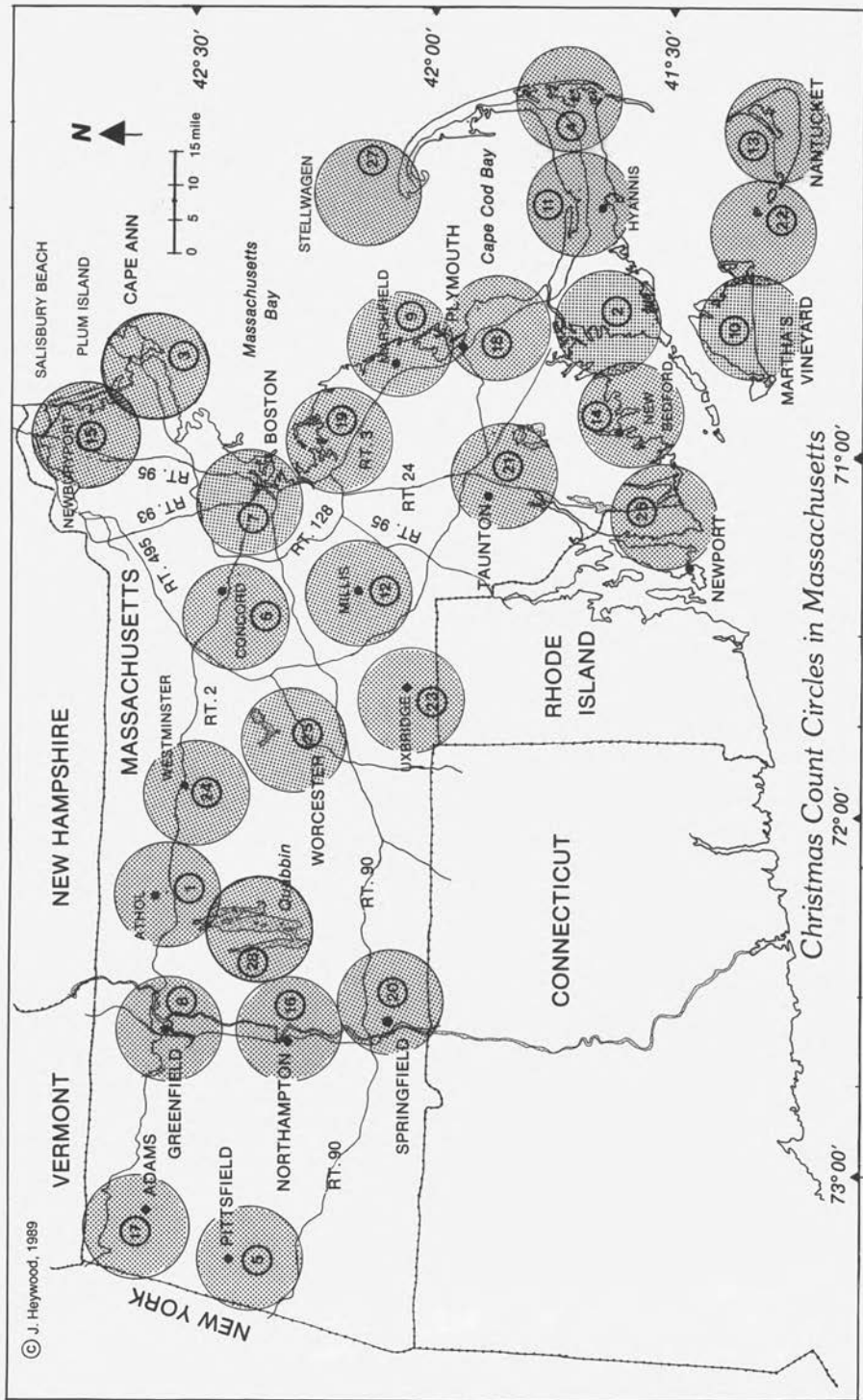
The Martha's Vineyard CBC led these counts with 122 species. The Nantucket count, the leader last year, came in second with 115 species.

The unusual species seen this year included Tundra Swan (Martha's Vineyard), Greater White-fronted and Barnacle geese (New Bedford), Blue-winged Teal (Marshfield), Tufted Duck (Buzzards Bay), Golden Eagle (Quabbin), Common Moorhen (Nantucket), Dovekie (Nantucket), **Sprague's Pipit** (Stellwagen), Black-headed Grosbeak (Martha's Vineyard), Lincoln's Sparrow (Greater Boston), and Brewer's Blackbird (Westport).

December 1988 was a bit on the cold side. To the dismay of compilers, a new record low temperature was set just before the count period. The mercury dropped to two degrees on December 12, surpassing the previous low for that date of five degrees set in 1977. The continued low temperatures of December 10-13 froze most of the ponds in our area and sent ducks moving. Waterfowl numbers dropped from some record highs in early December to just a few individuals at most freshwater ponds. The weather on the first weekend of the count period was miserable with over three inches of snow in the Boston area. Conditions improved for the next two weekends.

An abundance of food, notably cedar berries and bayberries, encouraged some species to linger. American Robins totaled 9239 individuals on the 22 counts tallied here compared with 2407 counted on the 21 counts listed last year. Robins were recorded in every count circle (except Stellwagen) with some large evening roosts noted. Other species that lingered were Gray Catbird, Cedar Waxwing, Yellow-rumped Warbler, and Pine Warbler. The Carolina Wren count total on these counts reached 354 this time compared to 241 during the last Christmas count. The lack of snow cover for most of the fall and winter before the count period also contributed to increased numbers of sparrows.

The new Quabbin count had an impressive beginning with 61 species, including a noteworthy 23 adult and 13 immature Bald Eagles as well as an adult Golden Eagle. This count also recorded the only Common Ravens for eastern Massachusetts and tallied a total of 7 Barred Owls.



In its second year, the Stellwagen count takes the honors for the rarest individual bird. The pelagic portion of the count was aborted shortly after the boat left Boston Harbor, but the land crew working the tiny section of the circle at the tip of Provincetown found a Sprague's Pipit along the runway at the Provincetown airport. This was a first state record; the bird obligingly remained for many to see through February 12, 1989.

The New Bedford CBC recorded three Greater White-fronted Geese and a Barnacle Goose along the Acushnet River. The origins of exotic waterfowl are always suspect, but these birds were reported to be of the Greenland races of their species. Perhaps they travelled by some common path to New Bedford. Twenty-one Turkey Vultures were also reported on this count.

The presence of 10 Northern Saw-whet Owls on Nantucket was impressive. Other noteworthy count totals included 379 Great Blue Herons, 34 Red-bellied Woodpeckers, 29 Eastern Bluebirds, 176 Gray Catbirds, 5300 Yellow-rumped Warblers, and 93 Eastern Meadowlarks. The Blue Jay count rebounded with 7802 tallied on the counts listed this time compared with a low count of 4660 last count period. The winter finch flight was a disappointment for the second year in a row. The Purple Finch total on the counts here was only 77 compared with 305 for last time. Evening Grosbeaks were reported on just three counts and only 62 individuals were located in our area. No crossbills were seen on the counts tabulated here.

We wish to thank all of the compilers who contributed their expertise to prepare the results for this summary. They are as follows: **Robert Coyle**, Athol (December 17); **Richard Harlow**, Buzzards Bay (December 17); **John Nove**, Cape Ann (December 18); **Blair Nikula**, Cape Cod (December 18); **Richard Walton**, Concord (January 1); **Robert Stymeist**, Greater Boston (December 18); **Warren Harrington**, Marshfield (December 26); **Sue Whiting**, Martha's Vineyard (January 3); **Peter Trimble**, Mid Cape Cod (December 27); **Brian Cassie**, Millis (December 17); **Edith Andrews**, Nantucket (January 1); **Gil Fernandez**, New Bedford (December 18); **James Berry**, Newburyport (December 26); **Trevor Lloyd-Evans**, Plymouth (December 28); **Scott Sumner**, Quabbin (December 31); **Sibley Higginbotham** and **Bob Abrams**, Quincy (December 18); **Simon Perkins**, Stellwagen (December 17); **John Kricher**, Taunton-Middleboro (December 31); **Marcia Litchfield**, Tuckernuck (December 31); **Richard Hildreth**, Uxbridge (December 31); **Dave Emerson**, Westport MA-Newport RI (December 17); **Fran McMenemy**, Worcester (December 17).

Map on facing page: Each Christmas Count Circle was located by the latitude and longitude (in degrees and minutes) of its center. Athol (1), Buzzards Bay (2), Cape Ann (3), Cape Cod (4), Central Berkshire (5), Concord (6), Greater Boston (7), Greenfield (8), Marshfield (9), Martha's Vineyard (10), Mid Cape Cod (11), Millis (12), Nantucket (13), New Bedford (14), Newburyport (15), Northampton (16), Northern Berkshire (17), Plymouth (18), Quincy (19), Springfield (20), Taunton-Middleboro (21), Tuckernuck Island (22), Uxbridge (23), Westminster (24), Worcester (25), Westport, MA/Newport, RI (26), Stellwagen Bank (27), and Quabbin (28).

89th CHRISTMAS BIRD COUNT, 12/16/88-1/3/89

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
Red-throated Loon	0	0	2	6	0	1	2	75	2	0	757
Common Loon	0	19	68	26	0	0	13	630	34	0	168
Pied-billed Grebe	0	10	0	1	0	5	0	2	6	0	3
Horned Grebe	0	93	33	3	0	42	33	45	114	0	33
Red-necked Grebe	0	0	5	5	0	8	7	9	2	0	120
Northern Gannet	0	0	4	86	0	0	3	26	1	0	316
Great Cormorant	0	20	199	85	0	223	11	284	11	0	57
Double-cr. Cormorant	0	2	0	1	0	58	0	0	0	0	28
cormorant species	0	0	0	0	0	0	0	0	8	0	0
American Bittern	0	0	0	1	0	0	0	0	0	0	0
Great Blue Heron	0	47	1	42	8	22	10	62	44	1	31
Black-cr. Night-Heron	0	1	0	12	0	3	0	1	2	0	11
Tundra Swan	0	0	0	0	0	0	0	4	0	0	0
Mute Swan	0	59	34	3	0	2	10	156	19	0	49
Gr. White-fr. Goose	0	0	0	0	0	0	0	0	0	0	0
Snow Goose	0	0	3	0	2	0	0	0	1	0	0
Brant	0	29	0	997	0	781	225	21	213	0	168
Barnacle Goose	0	0	0	0	0	0	0	0	0	0	0
Canada Goose	9	1238	2094	1762	5093	698	610	1466	1518	1796	548
Wood Duck	0	4	0	0	1	1	0	1	0	4	10
Green-winged Teal	0	3	0	17	1	9	0	7	22	0	6
American Black Duck	16	2024	1046	2857	136	1794	3032	1529	3737	146	627
Mallard	0	667	501	253	784	1493	282	491	791	848	292
Northern Pintail	0	1	1	0	0	3	1	17	54	0	0
Blue-winged Teal	0	0	0	0	0	0	2	0	0	0	0
Northern Shoveler	0	0	0	0	0	0	2	2	0	1	0
Gadwall	0	0	10	0	0	0	0	13	35	0	2
Eurasian Wigeon	0	0	0	1	0	0	0	2	0	0	1
American Wigeon	0	2	1	55	0	38	2	19	36	0	34
Canvasback	0	90	0	65	0	0	0	114	691	1	124
Redhead	0	0	0	2	0	0	0	6	0	0	64
Ring-necked Duck	0	36	1	5	8	13	0	5	210	6	6
Tufted Duck	0	1	0	0	0	0	0	0	0	0	0
Greater Scaup	0	3486	14	67	0	628	102	1025	401	0	460
Lesser Scaup	0	2	0	8	0	0	1	0	0	0	7
scaup species	0	0	0	0	0	0	0	0	29	0	0
Common Eider	0	23	206	3097	0	5420	14111	5408	8064	0	6673
King Eider	0	0	0	0	0	1	0	0	0	0	0
Harlequin Duck	0	0	3	0	0	1	0	32	0	0	8
Oldsquaw	0	56	54	25	0	0	27	105	119	0	70691
Black Scoter	0	13	12	22	0	22	30	1110	25	0	96
Surf Scoter	0	145	11	162	0	1	0	54	95	0	230
White-winged Scoter	0	198	240	239	0	69	478	9841	258	0	615
scoter species	0	0	0	0	0	0	0	0	0	0	20
Common Goldeneye	7	609	530	275	6	928	142	1707	374	0	1750
Barrow's Goldeneye	0	0	0	3	0	0	0	1	2	0	10
Bufflehead	0	1547	396	1409	0	922	507	1873	1349	0	1001
Hooded Merganser	30	208	0	114	1	75	0	41	75	4	22
Common Merganser	2	95	5	92	17	67	4	87	345	0	12
Red-br. Merganser	0	260	319	5109	0	726	200	1912	146	0	2634
Ruddy Duck	0	2	0	10	0	45	0	40	1	0	1
duck species	0	0	0	0	0	0	0	0	0	0	0

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species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westp.	Worc.
RTLO	0	17	2	0	1	1	0	0	0	6	0
COLO	2	70	62	2	4	15	0	6	0	49	4
PBGR	1	0	0	0	0	0	0	0	0	2	2
HOGR	48	31	25	39	33	0	0	0	0	86	3
RNGR	0	4	37	0	136	1	0	1	0	15	0
NOGA	0	1	4	0	0	55	0	43	0	0	0
GRCO	8	91	60	0	100	15	3	46	0	605	0
DCCO	2	0	0	0	4	1	0	5	0	3	0
cor. sp.	0	0	0	6	0	0	0	0	0	0	0
AMBI	0	0	0	0	0	0	0	0	0	0	0
GBHE	21	3	14	0	5	1	2	5	13	44	2
BCNH	0	0	2	0	2	0	0	5	0	4	0
TUSW	0	0	0	0	0	0	0	0	0	0	0
MUSW	44	4	146	0	0	0	15	0	0	285	0
GWGO	3	0	0	0	0	0	0	0	0	0	0
SNGO	0	2	2	0	0	0	1	0	0	9	0
BRAN	26	0	1	0	1468	0	0	4	0	62	0
BAGO	1	0	0	0	0	0	0	0	0	0	0
CAGO	646	2784	836	0	187	0	2548	61	794	6253	967
WODU	0	0	0	0	0	0	1	0	3	2	0
GWTE	1	11	2	0	0	0	1	0	0	2	1
ABDU	354	2931	1652	77	1562	238	295	358	125	2693	402
MALL	420	761	455	195	512	13	274	1	296	593	999
NOPI	0	4	0	0	0	0	1	1	1	12	1
BWTE	0	0	0	0	0	0	0	0	0	0	0
NOSH	0	0	0	0	0	0	0	0	0	0	1
GADW	0	1	58	0	0	0	0	0	0	2	0
EUWI	0	0	2	0	0	0	0	0	0	0	0
AMWI	0	0	97	0	11	0	10	17	0	2	1
CANV	1	0	0	0	0	0	162	0	0	26	0
REDH	0	0	9	0	0	0	1	0	0	30	0
RNDU	0	1	56	17	0	0	0	0	0	0	2
TUDU	0	0	0	0	0	0	0	0	0	0	0
GRSC	602	1	6	0	971	0	1	130	0	1455	25
LESC	423	2	4	0	0	0	1	0	0	61	0
scaup sp.	0	0	14	0	0	0	0	0	0	0	0
COEI	14	85	1364	0	643	90	0	11382	0	23	0
KIEI	0	0	0	0	0	0	0	0	0	0	0
HADU	0	0	0	0	0	0	0	0	0	36	0
OLDS	40	87	45	0	126	10	0	142000	0	10	0
BLSC	46	26	23	0	0	0	0	0	0	58	0
SUSC	85	39	769	0	2	12	0	13	0	22	0
WWSC	46	767	295	0	116	1801	0	186	0	102	0
scoter sp.	0	50	500	2	0	0	0	0	0	0	0
COGO	239	606	418	65	740	40	69	407	0	1140	26
BAGO	1	2	0	0	2	0	0	0	0	2	0
BUFF	809	311	155	10	1059	93	55	65	0	733	0
HOME	4	0	44	7	1	0	8	3	0	8	4
COME	0	298	293	399	32	1	40	5	16	115	18
RBME	128	414	352	2	523	928	11	1141	0	526	0
RUDU	0	1	3	0	0	0	0	0	0	6	1
duck sp.	0	0	0	0	0	0	0	0	16	0	0

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species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
Turkey Vulture	0	0	0	1	0	0	0	0	0	0	0
Bald Eagle	0	0	0	0	0	0	0	0	0	0	0
Northern Harrier	0	2	2	17	2	3	18	32	9	1	25
Sharp-shinned Hawk	1	4	1	12	6	7	4	9	10	2	6
Cooper's Hawk	0	0	2	0	1	2	0	0	1	1	1
Northern Goshawk	1	0	1	1	0	0	0	0	0	4	1
Red-shouldered Hawk	0	1	0	0	1	0	1	0	0	2	0
Red-tailed Hawk	1	4	26	13	64	38	15	48	10	13	26
Rough-legged Hawk	0	0	1	0	0	0	1	2	0	1	2
Buteo species	0	0	0	0	0	0	0	0	0	0	0
Golden Eagle	0	0	0	0	0	0	0	0	0	0	0
American Kestrel	0	6	4	6	6	11	7	3	2	7	12
Merlin	0	0	0	1	0	1	0	5	3	0	4
Peregrine Falcon	0	0	0	0	0	1	0	3	0	0	2
Ring-necked Pheasant	10	1	14	0	14	54	2	4	0	14	36
Ruffed Grouse	3	5	5	0	6	0	0	1	2	27	0
Wild Turkey	43	0	0	0	0	0	0	0	0	0	0
Northern Bobwhite	0	9	0	8	10	0	5	39	22	0	7
Clapper Rail	0	1	0	1	0	0	0	0	0	0	0
Virginia Rail	0	0	0	0	0	0	1	1	4	0	9
Common Moorhen	0	0	0	0	0	0	0	0	0	0	1
American Coot	0	5	0	1	0	9	1	0	2	0	5
Black-bellied Plover	0	0	0	0	0	0	0	12	0	0	16
Killdeer	0	3	0	2	0	1	1	6	0	1	0
Greater Yellowlegs	0	0	0	0	0	0	0	0	4	0	1
Ruddy Turnstone	0	0	0	0	0	0	0	0	0	0	21
Red Knot	0	0	0	1	0	4	0	1	16	0	0
Sanderling	0	0	1	179	0	55	0	176	24	0	220
Purple Sandpiper	0	0	89	0	0	32	0	10	0	0	35
Dunlin	0	15	17	379	0	81	141	62	5	0	0
dowitcher species	0	0	0	0	0	0	0	0	1	0	0
Common Snipe	0	3	2	2	0	1	1	20	3	0	1
American Woodcock	0	0	0	0	0	2	0	4	0	0	1
Laughing Gull	0	0	0	0	0	1	0	0	0	0	0
Little Gull	0	0	0	0	0	2	0	0	0	0	0
Common Bla.-hea. Gull	0	0	0	0	0	10	0	0	0	0	4
Bonaparte's Gull	0	4	24	2	0	137	18	18	0	0	3078
Ring-billed Gull	1	287	64	380	9	4672	195	537	444	162	76
Herring Gull	358	4863	15324	9553	1447	10739	6579	5993	10087	1900	6205
Iceland Gull	1	0	9	0	0	1	0	0	1	1	21
Lesser Bla.-bac. Gull	0	0	1	0	0	1	0	0	0	0	0
Glaucous Gull	1	0	0	0	0	0	0	0	1	0	0
Great Bla.-bac. Gull	37	382	3978	1970	236	838	771	732	1658	160	795
Black-legged Kittiwake	0	0	56	205	0	0	15	142	1	0	337
gull species	0	0	0	0	0	0	0	0	0	0	0
Dovekie	0	0	0	0	0	0	0	0	0	0	1
Thick-billed Murre	0	0	0	0	0	0	0	0	0	0	1
Razorbill	0	0	1	93	0	0	0	31	3	0	2405
Black Guillemot	0	0	30	0	0	1	0	0	0	0	4
alcid species	0	0	0	18	0	0	0	0	0	0	0
Rock Dove	357	327	561	74	894	3627	313	174	227	880	72
Mourning Dove	227	216	320	303	1362	352	140	810	209	348	516

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species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westp.	Worc.
TUVU	21	0	0	0	0	0	0	0	0	0	0
BAEA	0	2 imm	0	36	0	0	1	0	0	0	0
NOHA	6	19	2	0	0	1	1	5	0	20	0
SSHA	4	7	0	0	1	0	1	0	3	3	3
COHA	0	2	0	1	1	0	1	0	1	1	0
NOGO	0	1	0	0	0	0	0	0	1	0	1
RSHA	0	0	0	0	1	0	0	0	1	0	0
RTHA	7	40	6	11	7	0	16	2	26	24	15
RLHA	1	7	0	0	0	0	3	0	0	2	0
<i>Buteo</i> sp.	0	0	0	0	0	0	0	0	1	0	0
GOEA	0	0	0	1	0	0	0	0	0	0	0
AMKE	4	12	2	0	3	0	5	0	3	22	0
MERL	0	0	0	0	1	0	0	0	0	0	0
PEFA	0	0	0	0	0	0	0	1 ad	0	0	0
RNPH	0	20	0	1	2	0	0	1	1	8	3
RUGR	0	6	2	7	1	0	3	0	22	0	3
WITU	0	0	0	62	0	0	0	0	0	0	4
NOBO	0	0	0	0	0	0	4	0	0	0	0
CLRA	0	0	0	0	0	0	0	0	0	0	0
VIRA	0	0	2	0	0	0	0	0	0	4	0
COMO	0	0	0	0	0	0	0	0	0	0	0
AMCO	0	0	275	0	0	0	0	0	0	0	0
BBPL	2	0	0	0	15	0	0	0	0	5	0
KILL	0	1	0	0	1	0	1	0	0	2	0
GRYE	1	0	0	0	0	0	0	0	0	0	0
RUTU	1	0	0	0	7	0	0	0	0	7	0
REKN	0	0	0	0	0	0	0	0	0	0	0
SAND	0	36	21	0	45	6	0	78	0	58	0
PUSA	1	3	0	0	12	0	0	0	0	137	0
DUNL	14	2	0	0	82	1	0	7	0	103	0
dow sp.	0	0	0	0	0	0	0	0	0	0	0
COSN	0	6	5	0	2	0	0	0	0	20	0
AMWO	1	0	0	0	0	0	0	0	1	0	1
LAGU	1	0	0	0	0	0	0	0	0	1	0
LIGU	0	0	0	0	0	0	0	0	0	0	0
CBHG	0	0	0	0	0	0	0	0	0	0	0
BOGU	12	119	4	0	252	15	0	7	0	189	0
RBGU	1059	336	592	6	811	28	179	7	31	284	136
HEGU	1860	10063	8920	99	6585	2900	1407	1350	501	1983	1166
ICGU	0	14	0	0	1	10	0	0	0	0	1
LBBG	0	0	0	0	0	0	0	3	0	0	0
GLGU	0	0	0	0	0	0	0	0	0	0	0
GBBG	209	1082	1047	1	1153	990	315	585	36	207	502
BLKI	0	18	0	0	0	300	0	158	0	0	0
gull sp.	0	0	0	246	0	0	0	0	1	0	0
DOVE	0	0	0	0	0	0	0	0	0	0	0
TBMU	0	0	0	0	0	0	0	0	0	0	0
RAZO	0	0	0	0	0	0	0	83	0	0	0
BLGU	0	0	0	0	0	0	0	0	0	0	0
alcid sp.	0	0	0	0	0	13	0	0	0	0	0
RODO	663	457	263	73	454	102	380	0	609	318	718
MODO	269	823	105	122	93	11	79	0	487	748	257

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Common Barn-Owl	0	0	0	0	0	0	0	1	0	0	2
Eastern Screech-Owl	0	10	18	2	26	32	20	3	6	39	0
Great Horned Owl	1	3	11	6	11	13	8	0	12	15	0
Snowy Owl	0	0	0	0	0	2	1	1	0	0	1
Barred Owl	0	0	0	0	0	1	0	0	0	0	0
Long-eared Owl	0	0	0	0	0	0	0	1	0	0	1
Short-eared Owl	0	1	0	0	0	1	0	0	0	0	2
Northern Saw-whet Owl	0	0	0	1	0	0	0	0	0	0	10
Belted Kingfisher	1	22	3	15	7	8	4	21	21	4	5
Red-bel. Woodpecker	0	3	0	1	5	0	2	15	1	1	1
Yellow-bel. Sapsucker	0	0	0	1	0	1	0	0	0	0	0
Downy Woodpecker	55	89	98	45	568	198	26	63	67	198	23
Hairy Woodpecker	18	5	11	4	136	22	4	17	11	36	0
Northern Flicker	0	76	19	65	14	26	27	189	87	14	161
Pileated Woodpecker	3	0	3	0	3	0	0	0	0	0	0
Eastern Phoebe	0	1	0	0	0	1	0	1	0	0	0
Horned Lark	0	19	78	52	130	55	17	2	7	0	53
Tree Swallow	0	0	0	9	0	0	0	1	0	0	0
Blue Jay	243	656	597	413	1600	210	160	308	416	312	116
American Crow	149	450	692	400	1844	1421	425	1509	636	1400	653
Fish Crow	0	0	0	0	44	1	0	0	0	2	0
Common Raven	0	0	0	0	0	0	0	0	0	0	0
Black-cap. Chickadee	932	780	1119	764	3434	1153	336	1214	491	1323	308
Tufted Titmouse	38	170	168	71	714	255	78	0	77	264	0
Red-br. Nuthatch	11	9	18	2	3	0	0	5	2	1	26
White-br. Nuthatch	63	76	127	23	494	139	20	118	27	152	11
Brown Creeper	9	11	10	5	57	5	4	11	7	36	8
Carolina Wren	0	120	4	15	4	4	6	76	21	2	0
House Wren	0	0	0	0	0	0	0	0	0	0	0
Winter Wren	0	6	2	0	2	3	1	3	1	0	0
Marsh Wren	0	0	0	1	0	0	0	2	6	0	1
Golden-cr. Kinglet	32	61	20	35	46	26	12	21	18	37	22
Ruby-crowned Kinglet	1	0	0	0	0	1	0	2	0	0	0
Eastern Bluebird	0	0	0	0	0	0	0	9	2	0	0
Hermit Thrush	0	23	4	9	0	2	1	0	4	0	4
American Robin	6	1103	160	1655	165	284	88	190	3095	51	718
Gray Catbird	0	16	1	8	3	1	2	41	23	0	18
Northern Mockingbird	11	108	112	93	282	188	45	70	105	72	46
Brown Thrasher	0	1	0	0	0	0	0	3	0	0	0
Water Pipit	0	0	2	0	0	0	0	0	0	0	0
Sprague's Pipit	0	0	0	0	0	0	0	0	0	0	0
Cedar Waxwing	65	212	39	231	433	31	43	31	174	521	67
Northern Shrike	0	0	1	0	0	0	0	0	0	0	0
European Starling	706	1544	11822	3053	3824	193668	8693	5205	3395	2700	4443
Orange-cr. Warbler	0	0	0	0	0	1	0	0	0	0	0
Yellow-rumped Warbler	0	268	73	943	0	23	52	596	298	1	2280
Pine Warbler	0	0	0	0	0	0	1	1	0	0	4
Palm Warbler	0	6	1	1	0	1	0	2	0	0	30
Common Yellowthroat	0	0	0	1	0	0	0	0	0	2	0
Yellow-breasted Chat	0	0	0	0	0	0	0	1	0	0	0
Northern Cardinal	37	278	172	162	345	244	49	180	164	224	78
Black-headed Grosbeak	0	0	0	0	0	0	0	1	0	0	0

89th CHRISTMAS BIRD COUNT, 12/16/88-1/3/89

species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westp.	Worc.
COBO	0	0	0	0	0	0	1	0	0	2	0
EASO	2	29	0	2	18	0	8	0	14	10	1
GHOW	2	16	0	5	4	1	4	0	5	11	1
SNOW	0	3	0	0	0	0	0	0	0	0	0
BAOW	0	0	0	7	0	0	2	0	1	0	0
LEOW	0	1	0	1	0	0	0	0	0	0	1
SEOW	0	1	0	0	0	0	0	1	0	3	1
NSWO	0	0	0	0	0	0	1	0	0	0	0
BEKI	4	5	4	3	2	0	4	0	3	4	3
RBWO	1	0	0	1	0	0	0	0	1	2	0
YBSA	0	0	0	0	0	0	0	0	0	0	0
DOWO	45	167	36	82	28	1	54	1	70	48	84
HAWO	6	16	2	29	3	0	4	0	14	5	14
NOFL	24	35	32	0	19	3	17	20	14	73	0
PIWO	0	0	0	13	0	0	0	0	0	0	2
EAPH	0	0	0	0	0	0	0	0	0	0	0
HOLA	18	608	2	33	23	0	100	0	75	87	3
TRSW	0	0	0	0	0	0	0	0	0	0	0
BLJA	206	900	317	137	128	8	109	3	279	245	439
AMCR	252	878	145	164	230	22	599	22	558	434	398
FICR	0	0	0	0	0	0	1	0	0	0	0
CORA	0	0	0	8	0	0	0	0	0	0	0
BCCH	254	1700	619	955	257	30	400	11	833	426	762
TUTI	107	242	181	39	70	0	131	0	178	42	164
RBNU	1	9	4	48	0	3	4	0	1	0	5
WBNU	29	187	32	93	15	0	41	0	124	20	97
BRCR	6	13	9	32	2	1	13	0	24	3	4
CAWR	16	0	11	0	3	0	20	0	1	51	0
HOWR	0	1	0	0	0	0	0	0	0	0	1
WIWR	0	0	1	2	0	0	0	0	1	2	0
MAWR	0	0	0	0	0	0	0	0	0	1	0
GCKI	5	27	36	155	8	0	30	0	7	10	16
RCKI	0	0	1	0	1	0	0	0	0	2	1
EABL	0	0	0	10	0	0	0	0	8	0	0
HETH	0	1	2	0	1	0	0	0	0	3	0
AMRO	109	488	188	40	114	0	36	3	22	710	14
GRCA	2	4	4	0	1	0	1	1	0	50	0
NOMO	34	131	39	13	39	7	45	1	64	103	31
BRTH	0	0	2	0	0	0	0	0	0	2	0
WAPI	0	0	0	0	0	0	0	0	0	0	0
SPPI	0	0	0	0	0	1	0	0	0	0	0
CEWA	11	320	189	79	96	0	53	0	121	105	15
NOSH	0	2	0	0	0	0	0	0	0	0	0
STAR	2031	24843	5700	682	75000	47	2977	2	1831	15832	1562
OCWA	0	0	1	0	0	0	0	0	0	0	0
YRWA	61	69	131	0	77	50	134	98	4	141	1
PIWA	0	0	8	0	0	0	0	0	0	0	0
PAWA	0	2	0	0	2	0	0	0	0	4	0
COYE	0	1	1	0	0	0	0	0	0	0	0
YBCH	0	0	0	0	0	0	0	0	0	1	0
NOCA	88	145	90	12	77	10	55	0	99	210	64
BHGR	0	0	0	0	0	0	0	0	0	0	0

89th CHRISTMAS BIRD COUNT, 12/16/88-1/3/89

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
Dickcissel	0	0	0	0	0	0	0	0	0	0	0
Rufous-sided Towhee	0	14	20	8	3	0	0	32	22	1	13
Amer. Tree Sparrow	139	64	200	19	1076	326	39	52	52	767	4
Chipping Sparrow	0	2	1	2	0	0	0	0	5	0	0
Field Sparrow	0	46	2	8	10	26	8	37	28	12	0
Vesper Sparrow	0	0	0	0	0	0	0	1	0	0	0
Savannah Sparrow	0	9	1	23	1	1	0	30	24	0	24
"Ipswich" Sparrow	0	0	0	2	0	0	4	0	1	0	0
Sharp-tailed Sparrow	0	1	0	12	0	0	1	1	2	0	0
Fox Sparrow	0	1	1	0	3	0	0	1	0	0	0
Song Sparrow	1	289	111	246	206	378	63	331	202	124	252
Lincoln Sparrow	0	0	0	0	0	1	0	0	0	0	0
Swamp Sparrow	0	14	2	25	8	7	5	27	35	7	12
White-thr. Sparrow	1	341	109	168	143	111	31	219	178	37	99
White-cr. Sparrow	0	0	0	2	0	1	0	0	0	0	1
Dark-eyed Junco	342	91	277	18	1395	738	75	178	31	776	46
Lapland Longspur	0	0	0	2	1	5	0	0	0	0	0
Snow Bunting	220	0	46	7	1	5	5	20	0	2	3
Red-winged Blackbird	0	2	0	41	3	55	70	10	6	0	202
Eastern Meadowlark	0	0	0	3	0	0	10	20	27	0	15
Rusty Blackbird	0	0	0	0	3	1	18	0	1	0	0
Brewer's Blackbird	0	0	0	0	0	0	0	0	0	0	0
Common Grackle	0	1	31	0	17	2	0	1002	2	0	4
Brown-headed Cowbird	0	0	1	0	21	0	1	12	7	0	0
Northern Oriole	0	0	1	0	0	1	0	2	0	0	0
Pine Grosbeak	0	0	0	0	13	0	0	0	0	0	0
Purple Finch	10	1	6	4	11	0	3	0	1	20	1
House Finch	73	757	445	1166	867	703	257	839	761	511	376
Pine Siskin	0	0	2	0	0	0	0	0	0	18	0
American Goldfinch	138	205	108	166	552	238	81	178	279	314	60
Evening Grosbeak	58	0	0	0	0	0	0	0	0	0	0
House Sparrow	457	739	1236	510	2094	1251	328	717	521	700	257
number of species	47*	98	99	109+	71	110	90	122	106+	63	115
total birds	4925	25832	44311	40657	30737	236653	39200	50721	42942	17027	112093

	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
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*plus on Athol count, a Ringed Turtle-dove

89th CHRISTMAS BIRD COUNT, 12/16/88-1/3/89

species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westp.	Worc.
DICK	0	1	0	0	0	0	0	0	0	0	0
RSTO	7	0	8	0	2	0	1	2	1	16	0
ATSP	19	367	87	147	92	2	35	0	262	107	120
CHSP	0	0	0	0	0	0	2	0	0	0	0
FISP	10	7	14	0	4	0	65	0	91	16	2
VESP	0	0	0	0	0	0	0	0	0	0	0
SASP	3	2	0	0	1	0	0	1	0	12	0
"IPSP"	0	0	0	0	0	0	0	8	0	2	0
STSP	0	0	0	0	0	0	0	0	0	1	0
FOSP	1	0	0	0	0	0	0	0	1	2	0
SOSP	46	79	98	8	94	2	46	31	88	257	41
LISP	0	0	0	0	0	0	0	0	0	0	0
SWSP	2	6	16	0	5	1	0	0	1	40	4
WTSP	168	120	103	3	23	2	19	6	32	492	13
WCSP	0	0	0	0	0	0	0	0	0	17	1
DEJU	131	428	63	355	214	7	154	0	851	170	402
LALO	0	86	0	0	2	0	0	0	0	0	0
SNBU	0	91	0	157	46	72	0	0	0	14	0
RWBL	0	3	1	0	4	0	0	0	2	24	0
EAME	7	3	0	0	6	0	0	4	0	21	0
RUBL	0	0	0	3	0	0	0	0	2	0	0
BRBL	0	0	0	0	0	0	0	0	0	1	0
COGR	1	8	0	0	1	0	1	0	0	85	0
BHCO	8	12	0	0	0	0	16	0	107	12	0
NOOR	0	0	0	0	0	0	0	0	0	0	0
PIGR	0	0	0	0	0	0	0	0	0	0	0
PUFI	7	5	1	2	0	0	1	0	4	0	0
HOFI	396	760	325	76	159	0	102	0	484	642	582
PISI	0	0	0	0	0	0	0	0	0	0	0
AMGO	64	252	48	14	37	0	63	0	126	65	89
EVGR	0	0	0	3	0	0	0	0	0	0	1
HOSP	309	1386	300	280	338	0	314	0	678	481	583
# of species	86	100	87	61	87	48	75	52+	62	111+	66
total birds	12644	56941	27904	5180	95016	7962	11558	158387	10071	40347	10791
	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westp.	Worc.