

CHRISTMAS BIRD COUNT, 12/17/87-1/3/88

by Robert H. Stymeist

Data processing by Janet L. Heywood

The Eighty-eighth Annual Christmas Bird Count (CBC) sponsored by the National Audubon Society was held from December 17, 1987 to January 3, 1988. In eastern Massachusetts and a portion of Rhode Island, there are 22 count areas (see map). This summary includes the results of all these count circles with the exception of Martha's Vineyard, from which no results were received. The Stellwagen Bank count was added this year; this circle includes the southern section of Stellwagen Bank and Provincetown. A total of 177 species, plus "Common" Teal, "Aubudon's" Warbler, "Ipswich" Sparrow, and "Oregon" Junco, were recorded in this area during the three-weekend period.

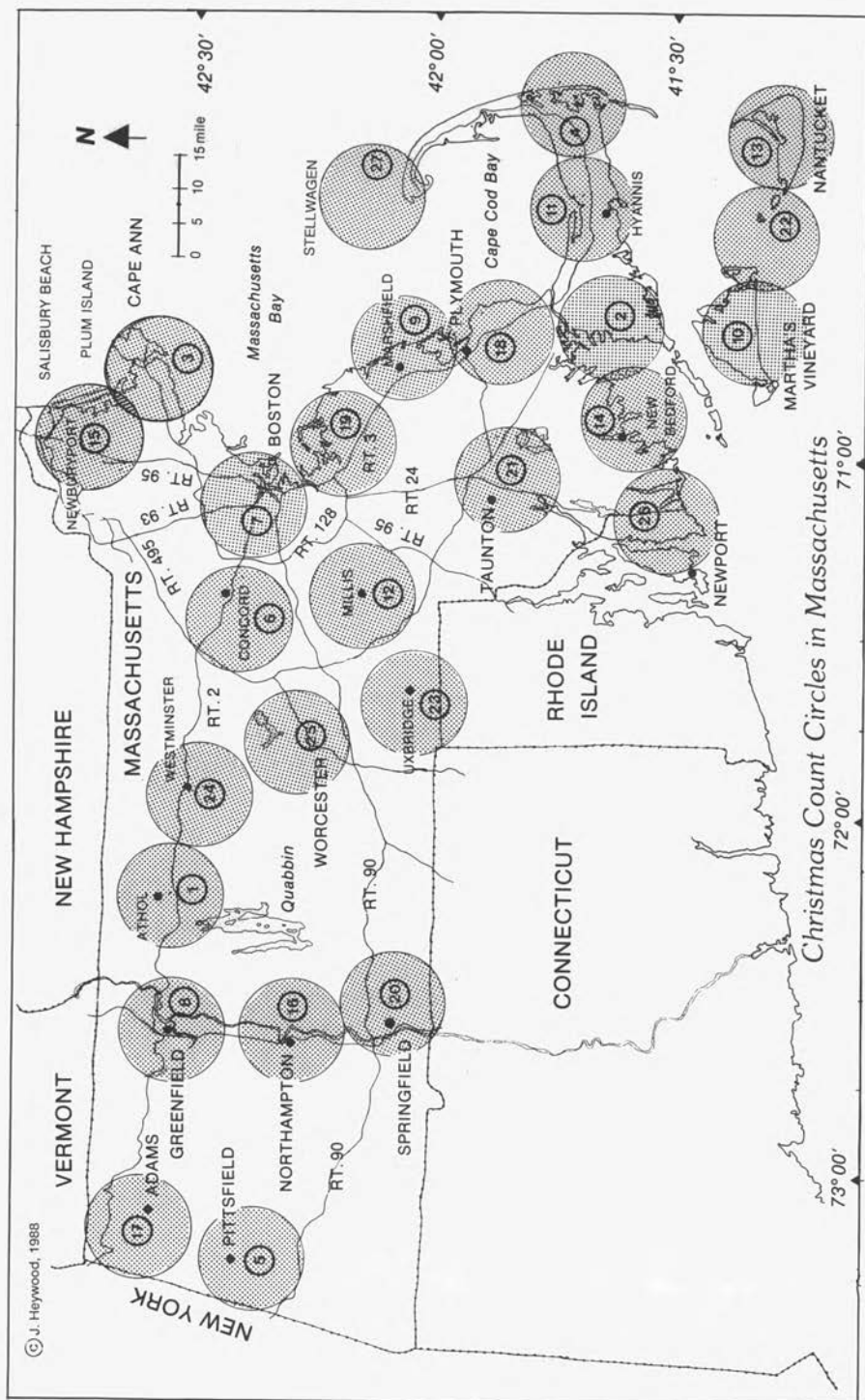
The Nantucket CBC led these counts with 123 species. The Newport, Rhode Island-Westport, Massachusetts count, the leader last year, came in second with 122 species.

The rarities seen this year included Pacific Loon (Cape Ann), Western Grebe (Newburyport), American Bittern (Greater Boston, Newburyport, and Mid Cape Cod), Marbled Godwit (Cape Cod), Common Murre (Stellwagen), Red-headed Woodpecker (Mid Cape Cod and Nantucket), Western Kingbird (Cape Cod), Bohemian Waxwing (Buzzards Bay and Westminister), Yellow-throated Warbler (Buzzards Bay), Vesper Sparrow (Buzzards Bay), Grasshopper Sparrow (Cape Cod, Concord, and Westport/Newport), and Lincoln Sparrow (Marshfield).

The warm weather preceding the counts encouraged a variety of species to linger, and some species were recorded in above average numbers (Winter Wren, Hermit Thrush, Gray Catbird, American Robin, Rufous-sided Towhee, and Field Sparrow). However, the weather for the first Sunday of the counting period, December 20, was about the worst possible. Rain, sleet, heavy fog, and a northwest wind made birding difficult and miserable; birders at Cape Ann, Cape Cod, and Greater Boston deserved at least ten extra species for going out! By contrast, the weather on the next Sunday, December 27, was described as "delightful, 24-40 degrees, mostly sunny, light northeast winds."

The count of 4363 Razorbills at Cape Cod becomes the all-time national high count for that species, surpassing the 2920 recorded on the Cape in 1983. Another national record was broken with the all-time high count of 178,958 Oldsquaw at Nantucket, far exceeding the record count of 96,900 at Tuckernuck last year.

Several compilers commented on high numbers for their local areas of Hooded Mergansers, Ring-billed Gulls, Tufted Titmice, Golden-crowned Kinglets, and House Finches. On the minus side, Northern Bobwhites on Cape



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Christmas Count Circles in Massachusetts

Cod were at their lowest level since 1950! Blue Jays totals were down dramatically. In fact, for the twenty counts in eastern Massachusetts for which we have numbers for both 1986-87 and 1987-88, Bluejays totaled only 4660 in 1987-88, compared to a total of 9435 in 1986-87.

Great Horned Owls were reported on eighteen of the twenty-one counts and represented 134 individuals. Snowy Owls appeared on ten counts, with a total of 37 noted. Barred Owls were seen on nine counts, totaling 22 birds. The winter finch flight was a disappointment to birders. Common Redpolls were hard to find; only 23 individuals were seen in our area. Last season, over a thousand redpolls were spread over sixteen counts. Pine Siskins and Evening Grosbeaks were seen in lower numbers and fewer areas than in 1986-87, and no crossbills were tallied 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 19); **Richard Harlow**, Buzzards Bay (December 19); **John Nove**, Cape Ann (December 20); **Blair Nikula**, Cape Cod (December 20); **Richard Walton**, Concord (December 27); **Robert Stymeist**, Greater Boston (December 20); **Warren Harrington**, Marshfield (December 27); **Janet Aylward**, Mid Cape Cod (December 26); **Brian Cassie**, Millis (December 19); **Edith Andrews**, Nantucket (January 2); **Gil Fernandez**, New Bedford (December 28); **James Berry**, Newburyport (December 27); **Trevor Lloyd-Evans**, Plymouth (December 30); **Sibley Higginbotham**, Quincy (December 19); **Simon Perkins**, Stellwagen (December 19); **John Kricher**, Taunton-Middleboro (December 26); **Marcia Litchfield**, Tuckernuck (January 3); **Richard Hildreth**, Uxbridge (January 2); **John Williams**, Westminster (December 26); **Dave Emerson**, Westport MA-Newport RI (December 19); **Fran McMenemy**, Worcester (December 19).

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), and Stellwagen Bank (27).

The tabulation which follows is stored as an IBM-compatible Microsoft Word file. If you are interested in working with these data and would like to discuss obtaining an electronic copy (either as a Word file or as an ASCII file), please contact Janet Heywood, c/o BIRD OBSERVER, 478 Trapelo Road, Belmont, Massachusetts 02178.

88th CHRISTMAS BIRD COUNT, 12/17/87-1/3/88

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	Mid C.	Millis	Nant.
Red-throated Loon	0	4	5	6	0	5	8	4	0	111
Pacific Loon	0	0	1	0	0	0	0	0	0	0
Common Loon	2	19	28	23	1	2	22	26	0	292
Pied-billed Grebe	0	17	0	35	0	7	0	25	0	33
Horned Grebe	0	117	10	6	0	10	8	43	0	26
Red-necked Grebe	0	1	6	8	0	0	6	0	0	39
Western Grebe	0	0	0	0	0	0	0	0	0	0
Northern Gannet	0	0	53	1600	0	0	4	12	0	1577
Great Cormorant	0	47	194	87	0	154	4	43	0	78
Double-crested Cormorant	0	4	0	3	0	25	1	3	0	16
cormorant species	0	0	0	0	0	0	0	6	0	0
American Bittern	0	0	0	0	0	1	0	1	0	0
Least Bittern	0	0	0	0	0	0	0	0	0	0
Great Blue Heron	1	49	4	63	8	23	11	35	7	36
Black-crowned Night-Heron	0	1	0	5	0	3	0	0	0	25
Mute Swan	0	110	11	4	0	1	3	21	1	56
Snow Goose	0	0	19	0	0	0	0	1	0	0
Brant	0	540	0	656	0	214	96	87	0	26
Canada Goose	0	1734	721	955	3579	923	919	1860	1874	803
Wood Duck	0	1	0	0	2	1	0	1	0	0
"Common" Teal	0	0	0	0	0	0	0	0	0	1
Green-winged Teal	0	0	2	13	4	13	0	90	0	30
American Black Duck	28	1644	664	1462	250	1114	1058	3324	76	659
Mallard	2	781	915	265	1197	1736	184	831	1184	618
Northern Pintail	0	2	0	6	1	7	2	59	0	3
Northern Shoveler	0	0	0	0	0	0	0	0	0	5
Gadwall	0	0	23	0	3	0	0	46	2	22
Eurasian Wigeon	0	0	0	1	0	0	0	0	0	1
American Wigeon	0	12	3	43	0	25	4	20	1	50
Canvasback	0	146	0	133	0	402	0	486	0	166
Redhead	0	41	0	0	0	2	0	5	0	140
Ring-necked Duck	0	14	0	96	28	23	124	84	35	89
Greater Scaup	0	3602	1	45	0	415	16	450	2	2143
Lesser Scaup	0	0	1	5	0	4	0	5	10	6
scaup species	0	0	0	0	0	0	0	46	0	12
Common Eider	0	473	1068	7048	0	431	12380	5716	0	5059
King Eider	0	0	0	0	0	0	0	0	0	0
Harlequin Duck	0	0	2	0	0	1	0	0	0	13
Oldsquaw	0	150	59	74	0	3	27	50	0	178958
Black Scoter	0	21	43	266	0	0	3	8	1	169
Surf Scoter	0	468	54	11	0	0	4	48	0	160
White-winged Scoter	0	560	246	309	0	135	195	146	0	967
Common Goldeneye	40	751	354	363	7	395	284	627	0	2932
Barrow's Goldeneye	0	1	0	2	0	0	0	0	0	6
Bufflehead	0	2265	321	1291	4	481	242	1485	10	1989
Hooded Merganser	67	244	0	82	7	142	0	88	25	39
Common Merganser	94	25	2	156	14	181	10	168	4	41
Red-breasted Merganser	0	766	150	3309	0	329	245	487	0	3488
Ruddy Duck	0	3	0	22	2	95	0	0	1	1

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species	N. B.	Newbpt.	Ply.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westm.	Westp.	Worc.
RTLO	0	10	0	5	2	0	239	0	0	23	0
PALO	0	0	0	0	0	0	0	0	0	0	0
COLO	4	74	23	11	10	0	42	0	0	49	1
PBGR	2	0	13	4	0	7	0	0	0	4	2
HOGR	47	60	14	116	0	1	3	0	0	132	6
RNGR	0	7	0	45	2	0	2	0	0	9	1
WEGR	0	1	0	0	0	0	0	0	0	0	0
NOGA	0	2	1	1	148	0	0	0	0	17	0
GRCO	1	31	22	525	9	0	6	0	0	1222	0
DCCO	26	0	0	4	0	0	11	0	0	0	0
cor. sp.	0	0	0	0	0	0	0	0	0	0	0
AMBI	0	1	0	0	0	0	0	0	0	0	0
LEBI	0	0	0	0	0	0	0	0	0	1	0
GBHE	21	12	5	56	0	5	4	3	0	46	6
BCNH	0	0	0	3	0	0	5	0	0	0	0
MUSW	135	4	189	5	0	14	2	0	0	259	0
SNGO	0	96	0	0	0	0	0	0	0	3	0
BRAN	133	0	50	2655	11	0	20	0	0	59	0
CAGO	1848	2714	560	788	34	1250	59	176	18	4970	779
WODU	0	3	0	0	0	5	0	4	0	1	0
"COTE"	0	0	0	0	0	0	0	0	0	0	0
GWTE	0	3	0	7	0	0	0	0	0	14	1
ABDU	586	2405	829	1565	430	176	356	88	73	2364	193
MALL	493	565	486	668	7	392	1	173	72	492	392
NOPI	1	23	1	1	0	1	0	1	0	55	0
NOSH	0	0	0	0	0	0	0	0	0	2	0
GADW	0	39	20	3	0	0	2	0	0	12	1
EUWI	0	0	0	0	0	0	1	0	0	0	0
AMWI	0	0	46	37	0	0	19	0	0	26	1
CANV	0	0	1	44	0	214	4	0	0	102	0
REDH	0	0	1	0	0	0	0	0	0	7	0
RNDU	0	0	79	16	0	3	0	0	0	1	1
GRSC	1679	6	2	342	0	20	0	0	0	3417	20
LESC	569	0	3	0	0	98	0	0	0	156	0
scaup sp.	0	0	0	0	0	0	0	0	0	0	0
COEI	22	253	4369	1593	911	0	1587	0	0	62	0
KIEI	0	0	1	4	0	0	0	0	0	6	0
HADU	0	0	0	0	0	0	0	0	0	33	0
OLDS	24	199	47	108	13	0	141450	0	0	11	0
BLSC	6	16	40	14	2	0	8	0	0	104	0
SUSC	132	6	15	8	2	0	10	0	0	131	0
WWSC	65	501	133	524	22	0	787	0	0	868	1
COGO	440	468	115	590	202	162	430	0	0	1150	67
BAGO	2	1	0	3	0	0	0	0	0	0	0
BUFF	973	155	104	1096	74	54	15	0	0	514	0
HOME	7	1	47	59	0	19	7	0	0	10	29
COME	0	116	277	144	30	123	0	111	0	403	12
RBME	198	230	219	976	2565	13	1150	0	0	532	0
RUDU	6	0	64	6	0	0	0	0	0	404	0

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Bald Eagle	2	0	0	0	0	0	0	0	0	0
Northern Harrier	0	5	0	6	0	2	12	7	1	32
Sharp-shinned Hawk	1	6	1	6	8	1	3	4	6	5
Cooper's Hawk	0	0	0	0	1	1	0	0	0	0
Northern Goshawk	1	0	0	1	4	0	0	0	1	0
Red-shouldered Hawk	0	0	0	0	0	0	0	0	0	0
Red-tailed Hawk	0	7	7	5	84	25	20	4	38	20
Rough-legged Hawk	0	1	0	0	0	0	4	0	1	3
American Kestrel	0	6	2	9	11	5	13	6	27	7
Merlin	0	1	0	3	0	0	0	1	0	6
Peregrine Falcon	0	0	0	1	0	2	0	0	0	0
Ring-necked Pheasant	0	4	16	3	39	81	2	1	26	59
Ruffed Grouse	4	6	7	0	27	1	3	1	15	0
Wild Turkey	8	0	0	0	0	0	0	0	0	0
Northern Bobwhite	0	10	0	15	0	0	0	1	2	0
Virginia Rail	0	1	0	4	0	0	7	4	0	13
Sora	0	0	0	0	0	0	1	1	0	0
rail sp.	0	0	0	0	0	0	0	0	0	0
American Coot	0	4	0	29	0	42	2	5	0	56
Black-bellied Plover	0	1	0	6	0	0	3	2	0	10
Killdeer	0	9	0	0	0	0	2	0	0	0
Greater Yellowlegs	0	3	0	1	0	0	0	5	0	0
Marbled Godwit	0	0	0	1	0	0	0	0	0	0
Ruddy Turnstone	0	0	8	0	0	4	0	0	0	54
Sanderling	0	1	23	85	0	36	13	70	0	151
Purple Sandpiper	0	0	49	0	0	13	140	0	0	11
Dunlin	0	0	19	1046	0	0	170	71	0	2
peep species	0	0	0	0	0	0	0	0	0	0
Long-billed Dowitcher	0	0	0	0	0	0	1	0	0	0
dowitcher species	0	0	0	0	0	0	0	1	0	0
Common Snipe	0	4	4	5	0	2	1	1	0	8
American Woodcock	0	0	0	2	0	0	0	0	0	1
Laughing Gull	0	0	0	0	0	0	0	0	0	0
Common Black-headed Gull	0	1	2	0	0	12	0	0	0	0
Bonaparte's Gull	0	200	91	4	0	411	15	0	0	389
Ring-billed Gull	50	467	278	480	40	2632	460	406	530	62
Herring Gull	407	4344	16270	11270	2872	4900	9404	4458	3024	5070
Iceland Gull	2	1	9	3	0	2	0	1	0	21
Lesser Black-backed Gull	0	0	0	0	1	0	0	0	0	3
Glaucous Gull	0	0	0	0	0	0	0	0	0	2
Great Black-backed Gull	37	553	6656	3935	477	310	887	1264	258	845
Black-legged Kittiwake	0	0	250	1106	0	0	20	0	0	441
gull species	0	0	0	0	0	0	0	0	0	5000
Dovekie	0	0	1	0	0	0	0	0	0	0
Common Murre	0	0	0	0	0	0	0	0	0	0
Thick-billed Murre	0	0	3	0	0	0	0	0	0	0
Razorbill	0	0	0	4363	0	0	0	0	0	125
Black Guillemot	0	0	1	1	0	0	0	0	0	2
alcid species	0	0	0	0	0	0	0	0	0	36
Rock Dove	429	277	365	113	1205	1630	637	483	763	138
Mourning Dove	340	189	209	221	1401	128	150	118	851	301

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species	N. B.	Newbpt.	Ply.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westm.	Westp.	Worc.
BAEA	0	1 imm	0	0	0	1	0	0	0	0	0
NOHA	10	10	0	1	1	2	10	0	0	20	0
SSHA	5	4	2	2	0	4	0	2	1	9	3
COHA	1	0	0	1	0	0	0	1	0	1	0
NOGO	0	1	0	1	0	1	1	0	0	1	0
RSHA	0	1	0	0	0	0	0	1	0	2	0
RTHA	10	43	5	16	0	32	4	36	4	25	10
RLHA	1	3	0	0	0	0	2	2	0	3	0
AMKE	4	17	3	8	1	15	2	10	0	34	2
MERL	0	1	0	2	0	0	0	0	0	1	0
PEFA	0	0	0	0	0	0	1 ad	0	0	0	0
RNPH	0	22	0	11	0	1	1	1	2	8	1
RUGR	0	8	0	5	0	5	0	13	2	2	1
WITU	0	0	0	0	0	0	0	0	1	0	0
NOBO	0	0	1	0	0	18	0	0	0	5	0
VIRA	0	1	1	0	0	0	0	0	0	4	0
SORA	0	0	0	0	0	0	0	0	0	0	0
rail sp.	0	1	0	0	0	0	0	0	0	0	0
AMCO	0	2	15	65	0	0	0	0	0	59	1
BBPL	1	0	0	3	2	0	0	0	0	0	0
KILL	11	0	0	1	0	0	0	0	0	1	0
GRYE	0	0	0	0	0	0	0	0	0	0	0
MAGO	0	0	0	0	0	0	0	0	0	0	0
RUTU	46	0	0	34	0	0	0	0	0	0	0
SAND	0	62	6	68	29	0	10	0	0	139	0
PUSA	20	9	1	0	0	0	0	0	0	88	0
DUNL	30	81	12	52	9	0	0	0	0	409	0
peep sp.	10	0	0	0	0	0	0	0	0	0	0
LBDO	0	0	0	0	0	0	0	0	0	0	0
dow sp.	0	0	0	0	0	0	0	0	0	0	0
COSN	0	6	1	2	0	0	0	0	0	43	0
AMWO	1	0	0	0	0	0	0	0	0	1	0
LAGU	21	0	0	0	0	0	0	0	0	0	0
CBHG	0	0	0	2	0	0	0	0	0	0	0
BOGU	7	89	11	422	13	0	190	0	0	367	0
RBGU	2195	336	408	1051	15	609	37	17	26	1602	373
HEGU	2407	7585	5128	5920	4780	2344	560	542	1085	3095	3467
ICGU	1	3	3	1	6	0	0	0	1	0	1
LBBG	0	0	0	0	2	0	1	0	0	0	0
GLGU	0	0	0	0	0	0	0	0	0	0	0
GBBG	362	548	948	316	1215	407	280	108	239	310	502
BLKI	0	3	3	13	553	0	240	0	0	1	0
gull sp.	0	0	0	0	0	0	0	23	0	0	0
DOVE	0	0	0	0	2	0	0	0	0	0	0
COMU	0	0	0	0	1	0	0	0	0	0	0
TBMU	0	0	0	0	0	0	0	0	0	0	0
RAZO	0	0	0	0	137	0	29	0	0	1	0
BLGU	0	1	0	0	2	0	0	0	0	0	0
alcid sp.	0	0	0	0	22	0	0	0	0	0	0
RODO	415	441	538	590	55	459	0	714	223	650	569
MODO	216	472	247	48	6	357	0	392	304	607	418

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species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	Mid C.	Millis	Nant.
Common Barn-Owl	0	0	0	0	0	0	0	0	0	2
Eastern Screech-Owl	0	5	33	1	27	30	30	3	44	0
Great Horned Owl	1	3	4	7	15	5	8	11	28	0
Snowy Owl	0	0	3	1	0	12	3	0	0	3
Barred Owl	5	0	0	0	3	1	0	0	3	0
Long-eared Owl	0	0	0	0	0	0	0	0	0	1
Short-eared Owl	0	0	0	1	0	1	5	0	1	5
Northern Saw-whet Owl	0	1	0	1	0	0	0	0	0	3
Belted Kingfisher	0	14	2	20	8	6	10	17	8	4
Red-headed Woodpecker	0	0	0	0	0	0	0	1	0	1
Red-bellied Woodpecker	2	0	0	0	3	0	0	0	0	1
Yellow-bellied Sapsucker	0	0	0	0	0	0	1	0	0	2
Downy Woodpecker	59	48	30	27	398	82	33	29	268	21
Hairy Woodpecker	32	3	5	4	103	19	5	2	49	3
Northern Flicker	1	33	5	43	9	11	18	54	15	144
Pileated Woodpecker	5	0	1	0	8	0	0	0	0	0
Western Kingbird	0	0	0	1	0	0	0	0	0	0
Horned Lark	0	16	24	23	7	7	85	8	0	44
Blue Jay	456	133	71	124	927	237	64	51	565	201
American Crow	188	770	450	371	3094	881	389	429	2340	499
Fish Crow	0	0	0	0	85	0	1	0	53	0
Common Raven	3	0	0	0	0	0	0	0	0	0
Black-capped Chickadee	859	1185	635	483	2681	776	349	404	2688	278
Tufted Titmouse	84	151	109	49	962	134	109	55	869	0
Red-breasted Nuthatch	34	20	4	2	51	1	3	1	69	44
White-breasted Nuthatch	126	57	62	25	393	62	29	19	156	5
Brown Creeper	12	8	9	2	63	23	8	5	61	4
Carolina Wren	0	74	0	11	1	0	9	9	1	0
House Wren	0	1	0	0	0	0	0	0	0	0
Winter Wren	0	6	0	4	1	5	1	2	1	1
Marsh Wren	0	0	0	3	0	2	0	1	0	1
Golden-crowned Kinglet	45	208	94	93	141	152	39	74	116	25
Ruby-crowned Kinglet	0	0	0	0	2	0	0	1	3	0
Eastern Bluebird	0	0	0	0	0	0	0	0	0	0
Hermit Thrush	0	14	1	3	0	3	1	2	0	11
American Robin	0	331	17	88	14	233	28	140	2	359
Gray Catbird	0	9	0	2	1	1	2	0	1	7
Northern Mockingbird	7	110	35	44	222	95	52	64	114	86
Brown Thrasher	0	1	0	0	0	0	0	0	0	0
Water Pipit	0	0	0	0	0	2	0	0	0	0
Bohemian Waxwing	0	1	0	0	0	0	0	0	0	0
Cedar Waxwing	0	159	15	59	85	43	96	56	7	47
Northern Shrike	1	0	2	0	3	0	1	0	1	4
Loggerhead Shrike	0	0	0	0	0	0	0	0	0	0
European Starling	835	1497	3552	2851	2850	173665	3163	5995	4570	2558
Orange-crowned Warbler	0	0	0	0	1	2	0	0	0	0
Yellow-rumped Warbler	0	122	18	335	2	133	60	91	3	2925
"Audubon's" Warbler	0	0	0	0	0	0	0	0	0	1
Pine Warbler	0	3	1	1	0	0	1	0	0	4
Palm Warbler	0	4	0	0	0	1	0	8	0	1
Yellow-throated Warbler	0	1	0	0	0	0	0	0	0	0

88th CHRISTMAS BIRD COUNT, 12/17/87-1/3/88

species	N. B.	Newbpt.	Ply.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westm.	Westp.	Worc.
COBO	0	0	0	0	0	0	0	0	0	1	0
EASO	2	21	0	4	0	14	0	10	1	16	1
GHOW	2	16	0	5	1	7	0	10	1	8	2
SNOW	0	5	2	6	1	0	0	0	0	1	0
BAOW	0	1	0	2	0	4	0	2	1	0	0
LEOW	0	0	0	0	0	1	0	0	0	0	0
SEOW	0	0	0	0	0	1	4	0	0	0	0
NSWO	0	0	0	0	0	3	0	0	0	0	0
BEKI	9	6	7	5	0	1	0	5	2	10	3
RHWO	0	0	0	0	0	0	0	0	0	0	0
RBWO	0	0	0	0	0	0	0	0	0	2	1
YBSA	0	0	0	0	0	0	0	0	0	1	0
DOWO	44	79	12	53	0	53	3	93	83	39	65
HAWO	9	13	0	5	0	6	0	30	17	7	19
NOFL	17	9	6	30	4	20	36	12	0	59	4
PIWO	0	1	0	0	0	0	0	0	0	0	0
WEKI	0	0	0	0	0	0	0	0	0	0	0
HOLA	14	301	9	10	0	0	0	75	1	185	0
BLJA	236	125	66	121	7	121	12	224	234	285	407
AMCR	363	576	215	460	17	573	19	547	189	430	424
FICR	0	0	0	0	0	0	0	0	0	0	0
CORA	0	0	0	0	0	0	0	0	0	0	0
BCCH	250	802	312	291	38	455	41	1167	1507	437	789
TUTI	89	114	61	83	0	151	0	261	56	38	168
RBNU	1	21	3	9	0	2	0	25	10	7	20
WBNU	39	106	23	32	0	46	0	156	130	21	107
BRCR	4	19	4	14	0	4	0	30	15	2	22
CAWR	30	0	2	4	0	14	1	1	0	84	0
HOWR	0	0	0	0	0	0	0	0	0	3	0
WIWR	0	0	1	1	0	0	0	1	0	3	0
MAWR	0	0	0	0	0	0	0	0	0	2	0
GCKI	9	222	73	76	6	47	0	84	23	25	37
RCKI	0	2	0	1	0	0	1	0	1	0	1
EABL	0	0	0	0	0	0	0	11	0	0	2
HETH	2	1	3	4	0	1	0	0	0	7	1
AMRO	339	78	41	110	8	5	11	35	4	555	9
GRCA	1	1	0	1	0	0	1	0	1	10	0
NOMO	50	81	35	50	4	47	2	59	9	128	33
BRTH	0	0	0	0	0	0	3	0	0	0	0
WAPI	0	0	0	0	0	0	0	0	0	5	0
BOWA	0	0	0	0	0	0	0	0	1	0	0
CEWA	22	0	66	28	0	36	18	0	9	149	2
NOSH	0	3	0	1	0	0	0	0	0	0	1
LOSH	0	0	0	0	1	0	0	0	0	0	0
STAR	3024	6630	455	5000+	160	7496	45	1641	1176	7226	2946
OCWA	0	0	1	0	0	0	0	0	0	0	0
YRWA	51	26	133	149	285	171	221	10	0	257	0
"AUWA"	0	0	0	0	0	0	0	0	0	0	0
PIWA	0	0	12	0	0	0	0	0	0	0	0
PAWA	0	0	0	0	0	1	0	0	0	5	0
YTWA	0	0	0	0	0	0	0	0	0	0	0

88th CHRISTMAS BIRD COUNT, 12/17/87-1/3/88

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	Mid C.	Millis	Nant.
Common Yellowthroat	0	3	0	2	0	3	0	1	0	0
Yellow-breasted Chat	0	2	0	2	0	1	0	2	0	0
Northern Cardinal	47	241	113	141	366	124	34	104	238	113
Dickcissel	0	0	1	2	2	0	0	0	0	0
Rufous-sided Towhee	1	10	0	2	2	2	1	1	0	2
American Tree Sparrow	186	18	131	18	806	313	63	44	314	7
Chipping Sparrow	0	2	0	0	0	0	0	0	0	0
Field Sparrow	0	42	0	27	25	16	16	22	17	2
Vesper Sparrow	0	1	0	0	0	0	0	0	0	0
Savannah Sparrow	0	15	4	13	12	2	0	9	0	21
"Ipswich" Sparrow	0	0	0	9	0	0	2	3	0	1
Grasshopper Sparrow	0	0	0	1	1	0	0	0	0	0
Sharp-tailed Sparrow	0	0	0	14	0	0	16	2	0	1
Seaside Sparrow	0	0	0	2	0	0	0	0	0	0
Fox Sparrow	0	1	1	0	2	0	0	0	5	0
Song Sparrow	5	231	60	189	180	335	79	107	68	311
Lincoln Sparrow	0	0	0	0	0	0	1	0	0	0
Swamp Sparrow	0	17	2	34	14	10	19	31	12	17
White-throated Sparrow	8	313	28	89	185	99	37	83	34	230
White-crowned Sparrow	0	0	0	0	0	0	0	0	0	2
Dark-eyed Junco	242	153	256	10	1104	755	66	29	1121	55
"Oregon" Junco	0	0	0	1	0	0	0	0	0	0
Lapland Longspur	0	0	0	0	0	0	1	0	0	1
Snow Bunting	7	1	104	19	0	21	11	32	0	194
Red-winged Blackbird	0	0	0	15	6	18	50	0	16	65
Eastern Meadowlark	0	0	0	38	0	1	46	18	0	21
Rusty Blackbird	0	0	0	0	1	0	41	0	0	0
Common Grackle	0	0	0	4	0	0	0	0	2	77
Brown-headed Cowbird	0	0	0	0	40	0	0	0	1	5
Northern Oriole	0	0	0	1	0	0	0	1	0	2
Pine Grosbeak	0	0	0	0	4	0	0	0	0	0
Purple Finch	2	0	5	1	98	15	0	0	55	4
House Finch	325	646	272	489	1077	176	218	179	835	386
Common Redpoll	0	0	2	0	1	0	0	0	0	0
Pine Siskin	124	2	16	4	149	51	3	0	27	54
American Goldfinch	186	165	217	228	929	288	107	108	493	148
Evening Grosbeak	818	29	4	0	99	0	1	0	29	2
House Sparrow	458	1137	768	357	1362	901	160	192	1021	572
number of species	50	108	92	118+	81	103	101	103+	73	123+
total birds	6679	28731	36397	47568	29902	197299	33405	31852	25100	223346
	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	Mid C.	Millis	Nant.

88th CHRISTMAS BIRD COUNT, 12/17/87-1/3/88

species	N. B.	Newbpt.	Ply.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westm.	Westp.	Worc.
COYE	0	0	0	0	0	0	0	0	0	0	0
YBCH	0	0	0	1	0	0	0	0	0	0	0
NOCA	100	84	66	51	7	63	2	122	52	153	63
DICK	0	1	0	0	0	0	0	0	0	1	0
RSTO	3	0	0	1	0	0	3	0	0	18	0
ATSP	17	355	42	127	8	101	0	350	134	41	269
CHSP	1	0	1	0	0	2	0	0	0	0	0
FISP	4	6	27	20	0	95	0	90	0	43	12
VESP	0	0	0	0	0	0	0	0	0	0	0
SASP	0	1	1	3	0	4	4	0	0	35	0
"IPSP"	0	0	1	0	0	0	8	0	0	0	0
GRSP	0	0	0	0	0	0	0	0	0	1	0
STSP	0	0	0	0	0	0	1	0	0	0	0
SESP	0	0	0	0	0	0	0	0	0	0	0
FOSP	1	0	2	3	0	0	1	1	0	2	0
SOSP	45	91	95	144	9	87	37	107	9	213	44
LISP	0	0	0	0	0	0	0	0	0	0	0
SWSP	0	4	14	14	1	4	3	13	1	61	6
WTSP	106	16	0	36	1	81	6	22	2	378	40
WCSP	0	0	0	0	0	0	0	0	0	13	1
DEJU	83	237	152	282	5	277	0	602	193	190	391
"ORJU"	0	0	0	0	0	0	0	0	0	0	0
LALO	0	3	0	0	0	0	0	0	0	0	0
SNBU	1	137	30	8	28	0	24	0	1	78	0
RWBL	0	1	3	2	0	0	0	110	1	50	0
EAME	2	0	0	0	1	2	47	0	0	36	0
RUBL	0	0	0	0	0	4	0	0	0	0	0
COGR	5	1	0	2	0	0	0	0	0	151	0
BHCO	2	0	0	0	0	0	0	48	5	40	0
NOOR	2	2	0	0	0	0	0	0	0	0	0
PIGR	0	0	0	0	0	0	0	2	0	0	0
PUFI	11	9	0	7	0	10	0	61	17	3	7
HOFI	308	231	95	144	12	144	0	342	546	446	447
CORE	0	7	0	13	0	0	0	0	0	0	0
PISI	3	15	3	36	0	39	0	224	42	9	7
AMGO	94	312	21	100	24	147	0	316	46	107	207
EVGR	15	77	1	1	8	112	0	64	1025	0	85
HOSP	196	954	363	295	25	288	0	606	508	570	660
# of species	87	103	88+	109	60	74	66+	60	51	122	66
total birds	18800	29556	17568	28506	11986	17552	148142	9987	8104	37806	14164
	N. B.	Newbpt.	Ply.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Westm.	Westp.	Worc.