

CHRISTMAS BIRD COUNT, 12/16/89-1/3/90

by Robert H. Stymeist

Data processing by Janet L. Heywood

The Ninetieth Annual Christmas Bird Count (CBC) sponsored by the National Audubon Society was held from December 16, 1989, to January 3, 1990. In eastern Massachusetts and a portion of Rhode Island, there are twenty-three count areas (see map). A total of 178 species, plus Snow Goose (blue phase) and "Ipswich" Savannah Sparrow, was recorded on these twenty-three counts during the nineteen-day period. This was just one species less than total the previous year. The Martha's Vineyard CBC led the counts with 124 species, followed by the Cape Cod CBC with 119.

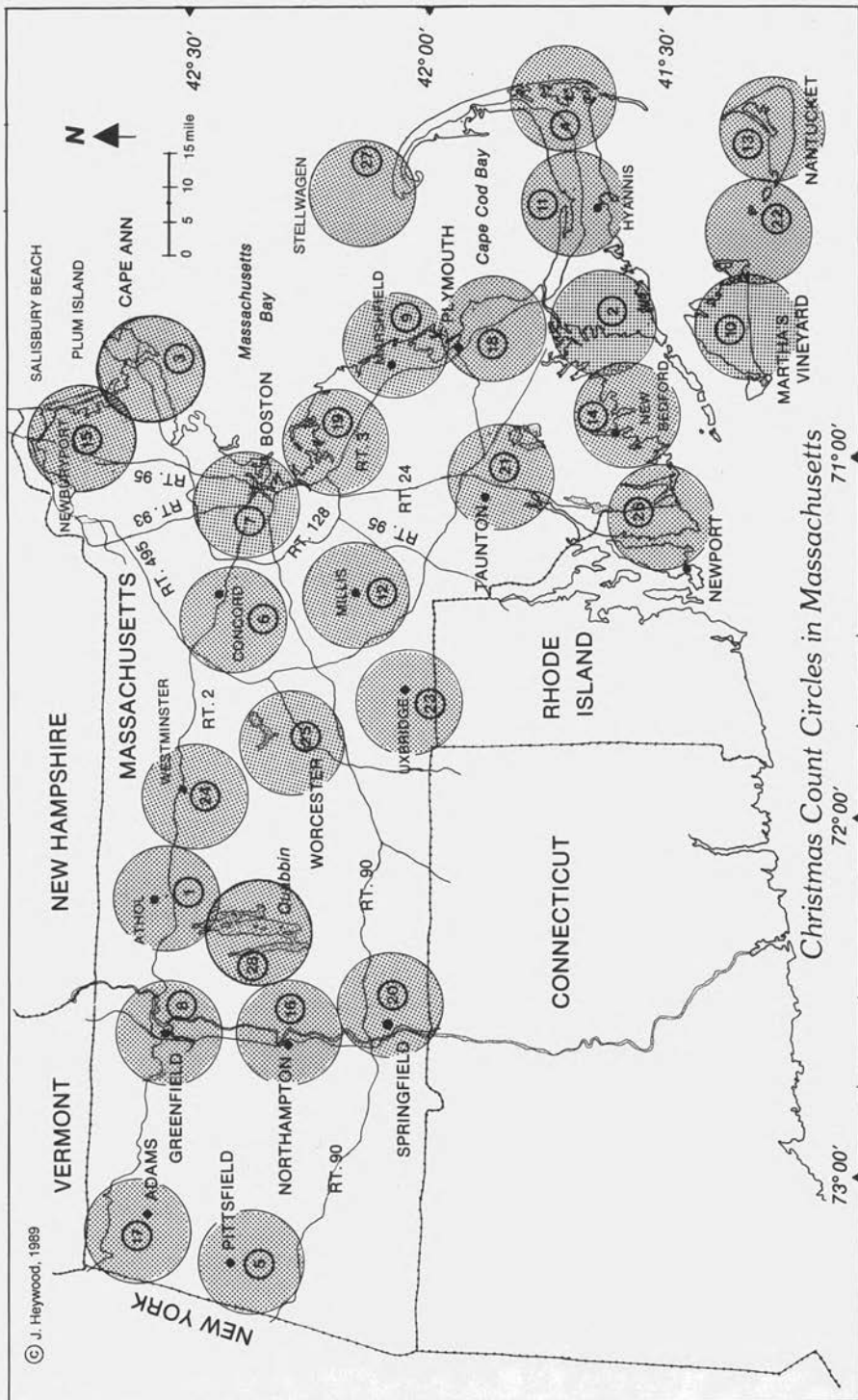
December 1989 was bitterly cold; in fact it was the coldest December on record. It was also one of the driest Decembers ever recorded. Ponds froze early, and duck numbers were low on most counts. Bay ducks, such as Canvasbacks, Redheads, and Ring-necked Ducks, were down an average of twenty-five percent compared with the last Christmas Bird Count, and Ruddy Ducks were off eighty-five percent from the 1988-89 figures. Wood Ducks, however, increased from 27 individuals last year to 46 this year on the counts tabulated here. On Nantucket dense fog developed during the day, and observers were able to count only a paltry 994 Oldsquaws. Two years ago under better conditions 178,958 were recorded on their evening flight to roost.

The cold weather moved late-lingering loons southward; hence, the total for both species (221) was the lowest in this area in the last decade. Great Cormorants, unusual away from the coast in midwinter, appeared on the Uxbridge, Worcester, and Quabbin counts.

Raptors included 9 Turkey Vultures and 20 Bald Eagles, both figures lower than last season's. Sharp-shinned and Cooper's hawk numbers, however, were up considerably. A Merlin found on the Concord count was only the second recorded in that count's long history. Four Snowy Owls were seen, but an astonishing number of Short-eared Owls was reported, 33 compared with 10 last year.

Thirteen species of shorebirds were represented in these count areas, compared with eleven last year. Only 52 Razorbills were recorded, 49 of them on the Nantucket count, in contrast to last year's total of 2613, possibly reflecting a changing food resource.

Carolina Wrens continued to increase this year; a total of 485 individuals was tallied on seventeen counts, up from the totals of 366, 314, 353, and 234 from the previous four years. Eastern Bluebirds numbered 141, compared with just 29 last time. This year's count of 3785 American Robins fell far short of last



year's record high of 9239 birds. A total of ten Yellow-breasted Chats was seen on three counts.

A Blue Grosbeak found in Lakeville on the Taunton-Middleboro count was the first record ever for a Massachusetts Christmas Bird Count and only a second winter record for the state. Rose-breasted Grosbeaks were found on the Cape Cod and Nantucket counts.

Although all species of winter finches were recorded, the low numbers indicate that no widespread flight was apparent for any species. A total of 179 Purple Finches was tabulated compared with just 77 tallied last year. Evening Grosbeaks were noted on thirteen counts this year, compared with just four counts last time. There were reports of both species of crossbills, and Common Redpolls were noted on two counts.

Other unusual species recorded this year included a single Tundra Swan on Martha's Vineyard, a Piping Plover and a Western Sandpiper on Cape Cod, a Semipalmated Plover in Plymouth, a Thayer's Gull on Tuckernuck Island, a Varied Thrush on Cape Ann, a Clay-colored Sparrow on the Mid Cape Cod count, and Grasshopper Sparrows on the Concord and Nantucket counts.

We wish to thank all of the compilers who contributed their time to prepare the results for this summary. They are as follows: **Robert Coyle**, Athol (December 17); **Richard Harlow**, Buzzards Bay (December 16); **John Nove**, Cape Ann (December 17); **Blair Nikula**, Cape Cod (December 17); **Richard Walton**, Concord (December 31); **Robert Stymeist**, Greater Boston (December 17); **Warren Harrington**, Marshfield (December 31); **Sue Whiting**, Martha's Vineyard (December 22); **Peter Trimble**, Mid Cape Cod (December 28); **Donna Munafò**, Millis (December 17); **Edith Andrews**, Nantucket (December 31); **Hope Atkinson**, New Bedford (December 30); **Jim Berry**, Newburyport (December 23); **Trevor Lloyd-Evans**, Plymouth (December 27); **Scott Sumner**, Quabbin (December 30); **Sibley Higginbotham** and **Bob Abrams**, Quincy (December 16); **Simon Perkins**, Stellwagen (December 16); **John Kricher**, Taunton-Middleboro (December 23); **Marcia Litchfield**, Tuckernuck (December 30); **Richard Hildreth**, Uxbridge, MA/RI (December 30); **John Williams**, Westminster (December 23); **Fran McMenemy**, Worcester (December 17); **Dave Emerson**, Newport County, RI/Westport, MA (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, MA/RI (23), Westminster (24), Worcester (25), Newport County, RI/Westport, MA (26), Stellwagen Bank (27), and Quabbin (28).

90th CHRISTMAS BIRD COUNT, 12/16/89-1/3/90

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
Red-throated Loon	0	0	0	14	0	0	0	6	1	0	2
Common Loon	0	7	17	10	0	2	3	45	2	0	10
Pied-billed Grebe	0	5	0	4	0	0	0	2	3	0	2
Horned Grebe	0	36	17	5	0	6	2	7	5	0	6
Red-necked Grebe	0	0	4	2	0	0	1	3	1	0	5
Northern Gannet	0	0	4	354	0	0	1	18	0	0	1
Great Cormorant	0	2	116	425	0	76	83	316	156	0	20
Double-cr. Cormorant	0	0	0	7	0	58	0	0	0	0	4
American Bittern	0	0	0	0	0	1	0	0	0	0	1
Great Blue Heron	0	23	0	135	7	15	46	81	26	5	15
Black-cr. Night-Heron	0	3	0	2	0	1	2	26	2	0	4
Tundra Swan	0	0	0	0	0	0	0	1	0	0	0
Mute Swan	0	79	17	7	0	3	0	95	33	0	10
Snow Goose (blue)	0	0	0	0	0	0	0	1	0	0	0
Snow Goose	0	1	1	0	0	0	0	1	0	0	0
Brant	0	117	0	595	0	369	4	147	43	0	2
Canada Goose	0	1355	1844	2230	2193	2511	76	2403	698	3286	343
Wood Duck	0	4	0	3	2	12	0	13	0	1	2
Green-winged Teal	0	0	4	22	1	25	0	24	5	0	1
American Black Duck	6	1761	1035	1916	158	2269	732	2206	1722	95	459
Mallard	0	693	943	312	844	2584	225	815	852	472	601
Northern Pintail	0	0	3	2	0	3	0	12	18	1	0
Northern Shoveler	0	0	0	0	0	0	0	1	0	0	0
Gadwall	0	1	8	0	1	0	1	21	6	0	0
Eurasian Wigeon	0	0	0	1	0	0	0	1	0	0	1
American Wigeon	0	10	7	25	0	31	0	32	3	0	8
Canvasback	0	123	0	23	0	0	0	6	130	0	49
Redhead	0	0	0	0	0	0	0	9	0	0	30
Ring-necked Duck	0	17	0	18	2	1	0	3	61	0	39
Greater Scaup	0	2325	5	466	0	152	72	1806	0	0	441
Lesser Scaup	0	1	0	4	0	0	0	0	2	0	13
Common Eider	0	512	142	2098	0	274	11977	1826	652	0	622
King Eider	0	0	1	0	0	0	0	0	0	0	0
Harlequin Duck	0	0	7	0	0	0	0	12	0	0	0
Oldsquaw	0	76	34	170	0	1	20	29	38	0	994
Black Scoter	0	15	17	22	0	0	2	528	9	0	65
Surf Scoter	0	704	29	135	0	0	0	157	3	0	28
White-winged Scoter	0	166	101	949	0	165	146	9617	47	0	300
Common Goldeneye	0	480	485	352	11	455	162	1121	567	16	1002
Barrow's Goldeneye	0	0	1	1	0	0	0	1	0	0	8
Bufflehead	0	1432	473	1483	1	1059	166	1147	1124	0	507
Hooded Merganser	0	162	0	66	0	28	1	84	31	7	40
Common Merganser	0	56	1	248	80	73	6	156	38	7	32
Red-br. Merganser	0	302	228	1763	0	964	163	1442	137	0	798
Ruddy Duck	0	0	0	0	0	1	0	5	0	0	0
Turkey Vulture	0	0	0	0	0	0	0	0	0	0	0
Bald Eagle	0	0	1	0	0	0	0	1	0	0	0
Northern Harrier	0	8	9	21	0	7	16	18	15	0	23
Sharp-shinned Hawk	1	8	6	16	7	8	3	11	10	4	9
Cooper's Hawk	0	1	2	3	1	4	1	2	0	0	0
Northern Goshawk	1	0	0	0	0	0	0	0	0	1	0

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species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Wstm.	Worc.	Nwp,RI*
RTLO	0	4	0	0	0	3	0	0	0	0	0	7 / 3
COLO	1	22	10	0	7	7	0	10	0	0	2	21 / 5
PBGR	0	0	2	0	0	0	0	0	0	0	0	2 / 0
HOGR	3	22	6	0	27	1	0	3	0	0	0	61 / 8
RNGR	0	2	0	0	0	2	0	0	0	0	0	23 / 0
NOGA	0	0	1	0	0	310	0	0	0	0	0	0 / 0
GRCO	2	41	17	1	23	39	2	9	0	0	2	185 / 7
DCCO	0	0	0	0	0	0	0	0	1	0	0	0 / 4
AMBI	0	1	0	0	0	0	0	0	0	0	0	0 / 0
GBHE	6	0	7	0	12	0	1	2	2	0	1	13 / 6
BCNH	0	0	4	0	0	0	0	0	0	0	0	0 / 0
TUSW	0	0	0	0	0	0	0	0	0	0	0	0 / 0
MUSW	27	4	119	0	1	0	0	5	0	0	0	10 / 86
SNGO (bl)	0	0	0	0	0	0	0	0	0	0	0	0 / 0
SNGO	0	17	0	0	1	0	0	0	1	0	0	15 / 0
BRAN	24	0	60	0	682	0	0	30	0	0	0	55 / 2
CAGO	298	1665	1068	2	801	0	1477	191	526	13	835	5425 / 858
WODU	0	2	3	0	0	0	4	0	0	0	0	0 / 0
GWTE	0	0	0	0	0	3	1	0	0	0	0	4 / 0
ABDU	544	3724	1169	40	1483	450	163	63	100	37	186	509 / 167
MALL	340	832	774	21	379	15	586	5	136	176	952	160 / 374
NOPI	0	0	5	0	0	0	0	1	0	0	1	5 / 6
NOSH	0	0	0	0	0	0	0	0	0	0	0	0 / 0
GADW	0	0	14	0	0	0	0	0	0	0	0	7 / 0
EUWI	0	0	0	0	0	0	0	0	0	0	0	0 / 0
AMWI	1	0	12	0	0	0	0	3	0	0	0	0 / 5
CANV	0	0	0	0	6	0	0	0	0	0	0	6 / 200
REDH	0	0	1	0	0	0	0	0	0	0	0	0 / 2
RNDU	0	1	32	0	0	0	0	0	0	0	0	2 / 0
GRSC	428	3	2	0	363	10	0	156	0	0	1	907 / 227
LESC	0	0	0	0	0	0	0	0	0	0	0	1 / 0
COEI	4	215	988	0	2475	400	0	1158	0	0	0	3 / 23
KIEI	0	0	1	0	0	1	0	0	0	0	0	0 / 0
HADU	0	0	0	0	0	0	0	6	0	0	0	30 / 0
OLDS	20	173	8	0	141	19	0	77	0	0	0	0 / 1
BLSC	0	36	15	0	7	1	0	10	0	0	0	189 / 15
SUSC	1	26	13	0	2	2	0	14	0	0	0	51 / 1
WWSC	0	289	92	0	1335	350	0	838	0	0	0	53 / 23
COGO	475	672	159	0	410	35	26	477	0	0	4	629 / 126
BAGO	1	2	0	0	2	0	0	0	0	0	0	0 / 0
BUFF	781	282	178	0	724	20	0	289	0	0	0	288 / 155
HOME	1	0	23	1	1	0	4	0	0	0	7	3 / 2
COME	9	255	97	3	10	9	280	12	76	13	112	69 / 57
RBME	104	411	507	0	513	700	0	278	1	0	1	100 / 60
RUDU	0	0	1	0	0	0	0	0	1	0	0	0 / 5
TUVU	7	0	0	0	1	0	0	0	0	0	0	1 / 0
BAEA	0	5	0	12	0	0	0	0	0	0	0	1 / 0
NOHA	9	10	4	0	1	4	3	8	0	0	0	21 / 9
SSHA	7	5	7	1	3	3	9	1	2	3	1	11 / 3
COHA	2	0	0	0	0	1	6	0	0	0	0	0 / 0
NOGO	0	0	0	2	0	0	2	0	1	2	2	1 / 0

* Figures shown in Newport County, RI/Westport, MA CBC column are broken down by state: RI / MA.

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species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
accipiter species	0	0	0	0	0	0	0	0	0	0	0
Red-shouldered Hawk	0	0	0	0	0	0	0	0	0	1	0
Red-tailed Hawk	1	5	32	22	27	64	11	41	15	39	19
Rough-legged Hawk	0	4	7	4	0	4	4	3	2	0	6
American Kestrel	0	3	1	8	2	9	2	1	3	6	6
Merlin	0	1	0	2	1	0	1	3	0	0	1
Peregrine Falcon	0	0	0	1	0	1	0	4	0	0	1
falcon species	0	0	0	0	0	0	0	0	0	0	0
Ring-necked Pheasant	3	4	6	1	29	32	4	6	2	9	48
Ruffed Grouse	3	3	1	0	10	0	1	2	4	9	0
Wild Turkey	51	0	0	0	0	0	0	0	0	0	0
Northern Bobwhite	0	14	0	48	1	1	9	54	74	0	1
Virginia Rail	0	0	0	1	0	0	0	1	1	0	0
Sora	0	0	0	0	0	0	0	0	0	0	0
American Coot	0	7	0	0	0	14	0	0	1	1	2
Piping Plover	0	0	0	1	0	0	0	0	0	0	0
Black-bellied Plover	0	1	0	1	0	1	0	5	0	0	4
Semipalmated Plover	0	0	0	0	0	0	0	0	0	0	0
Killdeer	0	0	1	4	0	0	0	2	0	0	0
Greater Yellowlegs	0	0	0	0	0	0	0	0	5	0	0
Ruddy Turnstone	0	0	1	0	0	0	0	0	0	0	15
Red Knot	0	0	0	0	0	0	0	2	0	0	0
Sanderling	0	0	12	70	0	72	0	102	106	0	154
Western Sandpiper	0	0	0	1	0	0	0	0	0	0	0
Purple Sandpiper	0	0	91	0	0	29	0	7	0	0	0
Dunlin	0	1	10	1556	0	49	56	34	2	0	0
Common Snipe	0	6	3	15	0	2	1	21	5	0	1
American Woodcock	0	2	0	5	0	1	0	7	2	0	0
Laughing Gull	0	0	0	1	0	0	0	0	0	0	0
Little Gull	0	0	0	0	0	1	0	0	0	0	0
Common Bla.-hea. Gull	0	3	1	0	0	5	0	0	0	0	0
Bonaparte's Gull	0	129	35	7	0	639	2	147	0	0	73
Ring-billed Gull	0	413	79	205	1	3234	303	331	263	216	28
Herring Gull	150	1473	8374	6955	638	6440	3730	7822	4972	568	5497
Thayer's Gull	0	0	0	0	0	0	0	0	0	0	0
Iceland Gull	1	0	3	2	0	1	0	1	0	0	28
Lesser Bla.-bac. Gull	0	0	0	1	0	0	0	0	0	0	1
Glaucous Gull	1	0	1	0	0	0	0	0	1	0	2
Great Bla.-bac. Gull	65	224	1990	1413	46	401	1033	1815	1595	46	1531
Black-legged Kittiwake	0	35	7	524	0	0	0	250	30	0	22
gull species	0	0	0	0	0	0	0	0	0	0	0
Razorbill	0	0	0	2	0	0	0	0	0	0	49
Black Guillemot	0	0	10	2	0	0	0	0	0	0	0
Rock Dove	307	247	477	71	807	3353	350	140	502	619	103
Mourning Dove	242	240	292	200	1370	505	223	593	342	582	345
Barn Owl	0	0	0	0	0	1	0	9	0	0	1
Eastern Screech-Owl	0	0	19	1	14	16	8	2	9	6	0
Great Horned Owl	0	1	3	9	9	2	3	0	3	0	0
Snowy Owl	0	0	1	0	0	0	1	0	0	0	0
Barred Owl	0	0	0	0	3	0	0	0	0	0	0
Long-eared Owl	0	0	1	0	0	0	0	0	0	0	3

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species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Wstm.	Worc.	Nwp.RI
ac.sp.	0	0	0	2	0	0	0	0	0	0	0	0/0
RSHA	1	0	1	0	0	0	2	0	0	0	2	0/0
RTHA	5	50	12	14	26	1	22	2	8	3	22	17/5
RLHA	0	14	2	0	0	0	3	1	0	0	0	4/1
AMKE	4	11	5	1	4	1	5	0	2	0	2	12/4
MERL	0	1	1	0	0	0	1	0	0	0	0	0/0
PEFA	0	0	0	0	0	0	0	2	0	0	0	0/0
fa. sp.	0	0	0	0	0	1	0	0	0	0	0	0/0
RNPH	0	20	8	3	0	0	0	0	2	3	2	3/1
RUGR	0	5	0	23	4	0	6	0	18	11	3	0/0
WITU	0	0	0	48	0	0	0	0	0	10	0	0/0
NOBO	0	0	0	0	0	0	8	0	0	0	0	0/0
VIRA	0	3	1	0	0	0	0	0	0	0	0	2/0
SORA	0	1	0	0	0	0	0	0	0	0	0	0/0
AMCO	0	0	249	0	0	0	0	0	0	0	0	0/4
PIPL	0	0	0	0	0	0	0	0	0	0	0	0/0
BBPL	2	0	0	0	6	0	0	0	0	0	0	0/0
SEPL	0	0	1	0	0	0	0	0	0	0	0	0/0
KILL	0	0	0	0	0	0	0	0	0	0	0	3/0
GRYE	0	0	0	0	0	0	0	0	0	0	0	0/0
RUTU	0	0	0	0	29	0	0	2	0	0	0	0/0
REKN	0	0	0	0	0	0	0	0	0	0	0	0/0
SAND	0	4	8	0	22	20	0	41	0	0	0	33/10
WESA	0	0	0	0	0	0	0	0	0	0	0	0/0
PUSA	3	3	0	0	3	0	0	0	0	0	0	55/47
DUNL	46	0	117	0	76	3	0	8	0	0	0	492/65
COSN	0	2	2	0	4	0	2	0	0	0	1	11/0
AMWO	0	0	0	0	1	0	0	0	0	0	0	2/0
LAGU	0	0	0	0	0	0	0	0	0	0	0	0/0
LIGU	0	0	0	0	0	0	0	0	0	0	0	0/0
CBHG	0	0	0	0	1	1	0	0	0	0	0	1/0
BOGU	1	0	0	0	360	30	0	0	0	0	0	221/2
RBGU	542	43	444	0	879	150	159	0	46	2	95	249/83
HEGU	3774	4562	2774	8	5374	2750	3783	496	94	365	883	1284/279
THGU	0	0	0	0	0	0	0	1	0	0	0	0/0
ICGU	0	3	0	0	2	8	0	0	0	1	0	0/0
LBBG	0	0	0	0	0	0	0	0	0	0	0	0/0
GLGU	0	0	0	0	0	2	0	0	0	0	0	0/0
GBBG	470	170	386	0	526	1350	163	141	38	73	454	135/41
BLKI	0	2	0	0	3	210	0	2	0	0	0	0/0
gull sp.	0	0	0	2	0	0	0	0	1	0	0	0/0
RAZO	0	0	0	0	0	1	0	0	0	0	0	0/0
BLGU	0	0	0	0	1	7	0	0	0	0	0	0/0
RODO	234	809	387	76	490	200	412	0	573	272	311	675/16
MODO	280	736	169	146	35	2	325	0	412	192	310	272/25
BROW	0	0	0	0	0	0	0	0	0	0	0	2/0
EASO	2	18	1	4	3	0	6	0	7	0	1	2/1
GHOW	0	19	0	5	2	0	1	0	2	1	0	3/0
SNOW	0	1	0	0	1	0	0	0	0	0	0	0/0
BAOW	0	1	0	9	0	0	0	0	0	0	0	0/0
LEOW	0	0	0	0	0	0	0	0	0	0	0	1/0

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Short-eared Owl	0	0	0	2	0	7	4	1	0	0	2
Northern Saw-whet Owl	0	0	0	0	0	0	0	0	0	0	4
owl species	0	0	0	0	0	0	0	0	0	0	0
Belted Kingfisher	0	12	6	24	2	3	4	13	17	2	0
Red-bel. Woodpecker	0	0	1	0	5	1	0	13	0	0	0
Yellow-bel. Sapsucker	0	0	0	1	0	1	1	0	0	0	0
Downy Woodpecker	42	22	69	38	479	128	53	52	61	176	14
Hairy Woodpecker	19	2	5	4	111	15	7	12	7	32	0
Northern Flicker	1	38	10	69	10	31	36	166	61	17	88
Pileated Woodpecker	0	0	0	0	5	0	0	0	0	0	0
Eastern Phoebe	0	1	0	0	0	0	0	1	0	0	0
Horned Lark	0	107	52	98	1	132	14	25	40	0	25
Blue Jay	507	273	457	224	1764	402	463	441	373	990	230
American Crow	113	507	625	365	1603	1589	347	1610	581	7630	430
Fish Crow	0	0	0	0	20	2	1	0	1	6	0
Common Raven	0	0	0	0	0	0	0	0	0	0	0
Black-cap. Chickadee	786	525	880	842	2538	1011	590	768	662	1377	372
Boreal Chickadee	0	0	0	0	0	0	0	0	0	0	0
Tufted Titmouse	87	103	164	48	970	260	166	0	161	521	0
Red-br. Nuthatch	52	19	22	16	6	25	77	31	27	5	116
White-br. Nuthatch	90	30	72	18	413	116	68	86	41	186	1
Brown Creeper	2	0	12	3	43	9	10	4	9	41	3
Carolina Wren	0	80	2	24	6	6	21	52	42	5	0
Winter Wren	0	2	1	0	2	5	0	3	4	1	0
Marsh Wren	0	0	0	1	0	0	0	0	0	0	2
Golden-cr. Kinglet	14	33	9	39	24	19	23	8	29	57	11
Ruby-crowned Kinglet	0	2	0	1	0	0	0	1	0	1	0
Eastern Bluebird	0	6	0	0	0	0	0	40	3	39	0
Hermit Thrush	0	17	1	7	1	6	1	16	11	0	6
Varied Thrush	0	0	1	0	0	0	0	0	0	0	0
American Robin	3	175	150	139	100	436	309	74	713	29	190
Gray Catbird	0	15	0	4	1	2	0	57	19	0	7
Northern Mockingbird	9	73	90	88	220	192	75	60	110	101	30
Brown Thrasher	0	1	1	2	0	0	0	2	3	0	0
American Pipit	0	0	0	0	0	0	0	4	0	0	0
Cedar Waxwing	40	127	30	6	277	137	409	41	89	155	0
Northern Shrike	0	0	0	0	2	0	0	0	0	1	0
European Starling	531	446	11299	816	1093	125853	1070	1938	786	5890	645
Yellow-rumped Warbler	0	70	52	350	1	54	72	740	140	4	916
Pine Warbler	0	0	0	1	0	1	2	4	0	0	7
Palm Warbler	0	0	0	0	0	2	0	1	0	0	0
Common Yellowthroat	0	0	0	1	0	0	0	0	0	0	0
Yellow-breasted Chat	0	4	0	5	0	0	0	0	0	0	0
Northern Cardinal	30	211	183	156	431	197	81	176	240	217	86
Rose-bre. Grosbeak	0	0	0	1	0	0	0	0	0	0	1
Blue Grosbeak	0	0	0	0	0	0	0	0	0	0	0
Dickcissel	0	0	1	2	0	0	0	1	0	0	1
Rufous-sided Towhee	0	14	1	4	1	1	4	24	13	1	6
Amer. Tree Sparrow	107	50	142	26	617	268	64	94	48	349	15
Chipping Sparrow	0	0	0	2	0	2	1	0	0	0	0
Clay-colored Sparrow	0	0	0	0	0	0	0	0	1	0	0

90th CHRISTMAS BIRD COUNT, 12/16/89-1/3/90

species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Wstm.	Worc.	Nwp.RI*
SEOW	0	7	5	0	1	0	0	3	0	0	0	1 / 0
NSWO	0	1	0	2	0	0	0	0	0	1	0	0 / 0
owl sp.	0	0	0	1	0	0	0	0	0	0	0	0 / 0
BEKI	0	2	6	2	1	1	0	0	0	2	4	5 / 2
RBWO	0	1	0	0	0	0	2	0	0	0	0	0 / 0
YBSA	0	0	0	0	1	0	0	0	0	0	0	3 / 1
DOWO	42	200	47	132	35	1	88	0	119	98	80	33 / 4
HAWO	4	23	3	51	2	0	12	0	25	26	8	2 / 1
NOFL	16	20	46	3	19	5	35	15	21	0	1	48 / 12
PIWO	0	0	0	10	0	0	0	0	0	0	0	0 / 0
EAPH	0	0	0	0	0	0	0	0	0	0	0	1 / 0
HOLA	0	367	16	1	2	38	150	0	153	0	1	125 / 18
BLJA	183	1417	489	612	171	4	490	11	1068	1163	548	104 / 56
AMCR	318	904	164	107	386	9	1512	20	354	207	542	240 / 43
FICR	0	0	1	0	0	0	0	0	0	0	0	0 / 0
CORA	0	0	0	28	0	0	0	0	0	0	0	0 / 0
BCCH	214	1788	594	1193	258	10	573	10	1234	1650	825	217 / 92
BOCH	0	0	0	0	0	0	0	0	0	0	1	0 / 0
TUTI	116	458	142	123	49	1	340	0	338	165	220	40 / 12
RBNU	9	25	55	227	1	3	59	0	9	18	19	3 / 0
WBNU	45	220	48	178	16	0	82	0	174	179	118	17 / 7
BRCR	5	16	10	65	3	0	20	0	21	18	15	3 / 0
CAWR	27	1	29	0	2	0	112	0	4	0	2	57 / 13
WIWR	0	1	2	1	2	0	1	0	0	0	1	2 / 1
MAWR	0	0	1	0	0	0	0	0	0	0	0	2 / 0
GCKI	2	14	42	221	6	0	50	0	31	14	13	7 / 3
RCKI	0	0	0	0	1	0	0	0	0	0	0	1 / 1
EABL	7	6	6	8	0	0	10	0	16	0	0	0 / 0
HETH	0	4	7	0	2	0	1	0	2	0	1	7 / 7
VATH	0	0	0	0	0	0	0	0	0	0	0	0
AMRO	400	214	106	3	64	4	400	0	38	5	9	84 / 140
GRCA	13	1	10	0	2	0	1	0	0	0	0	39 / 13
NOMO	32	163	78	17	50	2	76	0	64	27	38	125 / 14
BRTH	6	0	1	0	0	0	0	0	0	1	1	2 / 1
AMPI	0	0	0	0	0	0	0	1	0	0	0	10 / 0
CEWA	224	85	112	4	40	0	226	0	21	15	25	0 / 8
NOSH	0	2	2	1	0	0	0	1	0	0	1	0
STAR	1862	5243	984	688	51100	300	3096	18	1604	699	1407	8411 / 1961
YRWA	30	29	245	0	88	27	54	38	7	0	1	198 / 46
PIWA	0	0	0	0	0	0	0	0	1	0	0	0 / 0
PAWA	0	0	1	0	0	0	0	0	0	0	0	0 / 0
COYE	0	0	0	0	0	0	0	0	0	0	0	0 / 0
YBCH	0	0	0	0	0	0	0	0	0	0	0	1 / 0
NOCA	143	232	122	46	59	1	146	0	174	47	64	135 / 31
RBGR	0	0	0	0	0	0	0	0	0	0	0	0 / 0
BLGR	0	0	0	0	0	0	1	0	0	0	0	0 / 0
DICK	0	0	0	0	0	0	0	0	0	0	0	0 / 0
RSTO	26	0	15	0	1	1	8	0	1	0	0	9 / 1
ATSP	61	618	65	194	67	7	219	0	384	139	394	122 / 11
CHSP	0	0	0	0	0	0	1	0	1	0	0	2 / 1
CCSP	0	0	0	0	0	0	0	0	0	0	0	0 / 0

* Figures shown in Newport County, RI/Westport, MA CBC column are broken down by state: RI / MA.

90th CHRISTMAS BIRD COUNT, 12/16/89-1/3/90

species	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.
Field Sparrow	0	39	0	36	15	15	0	10	22	8	3
Vesper Sparrow	0	5	0	0	0	0	0	0	0	0	0
Savannah Sparrow	1	38	4	19	11	8	0	64	5	10	18
"Ipswich" Sparrow	0	2	0	2	0	0	1	0	0	0	1
Grasshopper Sparrow	0	0	0	0	1	0	0	0	0	0	1
Sharp-tailed Sparrow	0	0	0	2	0	0	1	0	0	0	0
Fox Sparrow	0	4	5	6	10	6	2	12	8	13	1
Song Sparrow	2	209	82	155	269	333	121	226	240	125	255
Swamp Sparrow	0	22	2	46	27	27	9	24	63	7	12
White-thr. Sparrow	8	286	184	103	390	256	114	227	215	113	0
White-cr. Sparrow	0	0	0	0	0	0	1	0	0	0	0
Dark-eyed Junco	655	158	331	133	1340	667	240	269	112	1069	92
Lapland Longspur	0	0	3	8	3	3	0	0	0	0	1
Snow Bunting	0	4	148	16	47	8	47	63	7	4	124
Red-winged Blackbird	1	1	0	116	16	18	18	34	0	0	303
Eastern Meadowlark	0	0	0	11	0	2	9	54	18	1	6
Rusty Blackbird	0	0	0	0	6	3	1	1	0	0	0
Brewer's Blackbird	0	0	0	0	0	0	0	1	0	0	0
Common Grackle	0	1	1	41	4	9	0	604	3	0	13
Brown-headed Cowbird	0	0	0	0	2	7	2	25	0	1	0
blackbird species	0	0	0	0	0	0	30	0	0	0	0
Northern Oriole	0	0	2	0	0	1	0	0	0	0	5
Pine Grosbeak	8	0	0	0	0	1	0	0	0	0	0
Purple Finch	1	0	10	0	43	9	1	3	1	36	1
House Finch	74	334	640	322	532	540	196	260	166	292	203
Common Redpoll	13	0	0	0	0	2	0	0	0	0	0
Red Crossbill	0	0	0	0	0	0	0	0	0	0	0
White-win. Crossbill	0	0	0	0	0	0	0	0	0	0	0
Pine Siskin	52	0	0	0	18	1	0	2	0	0	0
American Goldfinch	149	77	275	124	773	266	98	148	171	367	133
Evening Grosbeak	365	1	1	0	35	3	0	0	0	10	0
House Sparrow	483	647	1252	421	1640	1051	438	393	986	741	388
number of species	43	97+	99	119+	76	110	88	124	97	64	106
total birds	5077	18094	34298	30030	22194	160184	24955	44642	20688	26627	19206
	Athol	B. B.	C. Ann	C. Cod	Conc.	Gr. Bos.	Marsh.	M. V.	Mid C.	Millis	Nant.

Athol =	Athol CBC	December 17, 1989
B. B. =	Buzzards Bay CBC	December 16, 1989
C. Ann =	Cape Ann CBC	December 17, 1989
C. Cod =	Cape Cod CBC	December 17, 1989
Conc. =	Concord CBC	December 31, 1989
Gr. Bos. =	Greater Boston CBC	December 17, 1989
Marsh. =	Marshfield CBC	December 31, 1989
M. V. =	Martha's Vineyard CBC	December 22, 1989
Mid C. =	Mid Cape Cod CBC	December 28, 1989
Millis =	Millis CBC	December 17, 1989
Nant. =	Nantucket CBC	December 31, 1989

90th CHRISTMAS BIRD COUNT, 12/16/89-1/3/90

species	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Wstm.	Worc.	Nwp.RI*
FISP	11	4	17	2	17	3	39	0	25	14	4	39 / 8
VESP	0	0	0	0	0	0	0	0	0	0	0	1 / 0
SASP	18	7	2	0	2	0	15	45	1	0	6	67 / 3
"IPSP"	0	0	0	0	0	0	0	1	0	0	0	0 / 0
GRSP	0	0	0	0	0	0	0	0	0	0	0	0 / 0
STSP	0	1	0	0	0	0	0	0	0	0	0	0 / 0
FOSP	14	2	1	0	0	0	5	0	0	0	1	2 / 1
SOSP	50	197	158	36	108	1	141	20	232	23	76	257 / 49
SWSP	5	10	30	2	4	2	16	1	52	1	0	79 / 6
WTSP	305	201	141	22	116	10	115	0	192	36	70	381 / 87
WCSP	0	0	0	0	0	0	1	0	0	0	0	7 / 1
DEJU	273	496	382	572	233	8	481	0	1392	467	354	169 / 57
LALO	0	23	0	0	0	0	1	2	0	0	0	0 / 0
SNBU	2	104	22	0	54	6	3	7	263	26	9	2 / 0
RWBL	0	0	2	0	15	0	8	0	3	0	0	19 / 0
EAME	21	7	0	0	0	1	2	24	0	0	0	45 / 0
RUBL	0	0	1	0	0	0	0	0	9	0	0	0 / 0
BRBL	0	0	0	0	0	0	0	0	0	0	0	0 / 0
COGR	0	0	1	1	0	0	2	0	3	1	2	107 / 0
BHCO	1	22	0	5	3	0	12	0	0	0	0	77 / 55
bl. sp.	0	0	0	0	0	0	0	0	0	0	0	0 / 0
NOOR	1	1	0	0	0	0	0	0	0	0	0	0 / 0
PIGR	0	0	0	2	0	0	0	0	0	1	0	0 / 0
PUFI	19	14	0	16	0	0	8	0	5	2	8	2 / 0
HOFI	271	462	387	127	110	1	183	0	348	175	416	271 / 74
CORE	0	0	0	0	0	0	0	0	0	0	0	0 / 0
RECR	0	0	0	27	0	0	0	0	0	0	0	0 / 0
WWCR	0	0	0	7	0	0	0	0	25	0	0	0 / 0
PISI	8	2	1	76	0	1	2	0	2	0	39	0 / 0
AMGO	155	441	81	103	75	1	99	0	248	60	125	20 / 10
EVGR	12	17	0	413	0	0	10	0	181	525	53	0 / 0
HOSP	262	1851	566	467	271	45	414	0	1084	896	696	122 / 166
# of species	79	97	98	61	89	67	77	49+	64	49	66	115
total birds	13672	31123	15213	6220	70699	7615	16784	4559	11979	7866	10391	30113
	N. B.	Newbpt.	Ply.	Quab.	Quin.	Stell.	Tau-Mb.	Tuck.	Uxbr.	Wstm.	Worc.	Nwp.RI

* Figures shown in Newport County, RI/Westport, MA CBC column are broken down by state: RI / MA.

N. B. =	New Bedford CBC	December 30, 1989
Newbpt. =	Newburyport CBC	December 23, 1989
Ply. =	Plymouth CBC	December 27, 1989
Quab. =	Quabbin CBC	December 30, 1989
Quin. =	Quincy CBC	December 16, 1989
Stell. =	Stellwagen CBC	December 16, 1989
Tau-Mb. =	Taunton-Middleboro CBC	December 23, 1989
Tuck. =	Tuckernuck CBC	December 30, 1989
Uxbr. =	Uxbridge, MA/RI CBC	December 30, 1989
Wstm. =	Westminster CBC	December 23, 1989
Worc. =	Worcester CBC	December 17, 1989
Nwp. RI =	Newport County, RI/Westport, MA CBC	December 17, 1989